

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062158.D
 Acq On : 4 Apr 2019 15:39
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 05 05:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	206006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	323756	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	258939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	130259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	12489	7.36	ug/l	0.00
Spiked Amount			Recovery	=	14.72%	
35) Dibromofluoromethane	4.08	113	12066	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	
50) Toluene-d8	7.53	98	32137	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	11.39	95	15340	5.96	ug/l	0.00
Spiked Amount			Recovery	=	11.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	15921	5.934	ug/l	76
3) Chloromethane	1.09	50	11078	4.086	ug/l	95
4) Vinyl Chloride	1.15	62	12636	5.004	ug/l	93
5) Bromomethane	1.31	94	11467	6.222	ug/l	83
6) Chloroethane	1.40	64	7589	5.860	ug/l #	77
7) Trichlorofluoromethane	1.47	101	20768m	6.584	ug/l	
8) Diethyl Ether	1.62	74	3835	5.477	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	1.82	101	12029	5.741	ug/l #	55
10) Methyl Iodide	1.91	142	19699m	4.963	ug/l	
11) Tert butyl alcohol	2.55	59	4433	50.872	ug/l #	48
12) 1,1-Dichloroethene	1.80	96	13009m	6.555	ug/l	
13) Acrolein	1.99	56	4511m	43.869	ug/l	
14) Allyl chloride	2.08	41	16779	7.569	ug/l	90
15) Acrylonitrile	2.95	53	5574	18.779	ug/l #	64
16) Acetone	2.24	43	16902m	48.526	ug/l	
17) Carbon Disulfide	1.83	76	34858m	5.742	ug/l	
18) Methyl Acetate	2.34	43	8889	11.087	ug/l #	83
19) Methyl tert-butyl Ether	2.42	73	17944	5.537	ug/l #	82
20) Methylene Chloride	2.26	84	28018m	12.452	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	10936	5.679	ug/l #	63
22) Diisopropyl ether	2.79	45	34045	5.981	ug/l #	88
23) Vinyl Acetate	3.17	43	69627	29.287	ug/l #	95
24) 1,1-Dichloroethane	2.86	63	19735	5.788	ug/l	100
25) 2-Butanone	4.34	43	19877	28.863	ug/l #	69
26) 2,2-Dichloropropane	3.58	77	12635	8.745	ug/l	88
27) cis-1,2-Dichloroethene	3.45	96	13196	5.182	ug/l	89
28) Bromochloromethane	3.71	49	8416	5.880	ug/l #	99
29) Tetrahydrofuran	4.06	42	9027	30.253	ug/l #	62
30) Chloroform	3.83	83	25968	7.058	ug/l	90
31) Cyclohexane	3.67	56	19641m	5.632	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	14368	6.103	ug/l	91
36) 1,1-Dichloropropene	4.26	75	19727	6.256	ug/l #	87
37) Ethyl Acetate	4.11	43	10191m	7.441	ug/l	
38) Carbon Tetrachloride	3.96	117	13462	6.135	ug/l #	75

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	17137	4.892	ug/l	87
40) Benzene	4.60	78	38546	4.724	ug/l	95
41) Methacrylonitrile	4.71	41	4993	6.859	ug/l #	65
42) 1,2-Dichloroethane	4.92	62	14813	7.085	ug/l	90
43) Isopropyl Acetate	6.94	43	13142	8.062	ug/l #	80
44) Trichloroethene	5.48	130	13819	5.524	ug/l	93
45) 1,2-Dichloropropane	6.22	63	9513	4.851	ug/l #	80
46) Dibromomethane	6.07	93	6075	5.006	ug/l #	84
47) Bromodichloromethane	6.36	83	17211	6.202	ug/l #	97
48) Methyl methacrylate	6.69	41	7233	7.369	ug/l #	84
49) 1,4-Dioxane	6.69	88	490	61.690	ug/l #	15
51) 4-Methyl-2-Pentanone	8.24	43	32452	29.059	ug/l #	79
52) Toluene	7.61	92	24690	5.131	ug/l	89
53) t-1,3-Dichloropropene	8.25	75	11850	5.394	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	18046	5.936	ug/l #	90
55) 1,1,2-Trichloroethane	8.46	97	7194	5.324	ug/l #	87
56) Ethyl methacrylate	8.60	69	12361	7.519	ug/l	98
57) 1,3-Dichloropropane	8.83	76	11023	4.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	5614	22.742	ug/l #	86
59) 2-Hexanone	9.47	43	24784	30.487	ug/l	96
60) Dibromochloromethane	8.69	129	10395	5.461	ug/l	91
61) 1,2-Dibromoethane	8.98	107	7772	5.397	ug/l #	67
64) Tetrachloroethene	8.14	164	11480	5.756	ug/l #	71
65) Chlorobenzene	9.77	112	26906	5.504	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.90	131	11935	5.982	ug/l	95
67) Ethyl Benzene	9.88	91	49055	5.641	ug/l	95
68) m/p-Xylenes	10.11	106	37086	11.460	ug/l	99
69) o-Xylene	10.69	106	18280	5.515	ug/l	97
70) Styrene	10.77	104	25676	5.017	ug/l	92
71) Bromoform	10.75	173	5534	5.402	ug/l #	86
73) Isopropylbenzene	11.10	105	58000	6.228	ug/l	99
74) N-amyl acetate	11.35	43	15258	6.753	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.67	83	7892	5.042	ug/l #	94
76) 1,2,3-Trichloropropane	11.78	75	8107	7.117	ug/l	96
77) Bromobenzene	11.48	156	11218	4.999	ug/l	85
78) n-propylbenzene	11.58	91	66346	6.061	ug/l	100
79) 2-Chlorotoluene	11.70	91	40357	6.651	ug/l	95
80) 1,3,5-Trimethylbenzene	11.80	105	52771	6.778	ug/l	83
81) trans-1,4-Dichloro-2-buten	11.85	75	2512m	5.375	ug/l	
82) 4-Chlorotoluene	11.88	91	39363	6.249	ug/l	93
83) tert-Butylbenzene	12.12	119	49449	6.124	ug/l	94
84) 1,2,4-Trimethylbenzene	12.19	105	47054	6.179	ug/l	93
85) sec-Butylbenzene	12.28	105	59490	5.719	ug/l	94
86) p-Isopropyltoluene	12.44	119	54663	5.962	ug/l	94
87) 1,3-Dichlorobenzene	12.45	146	22977	5.426	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	22545	5.526	ug/l	99
89) n-Butylbenzene	12.83	91	52138	5.995	ug/l	94
90) Hexachloroethane	12.90	117	13644	6.374	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	22815	5.816	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	13.63	75	2244	9.012	ug/l #	56

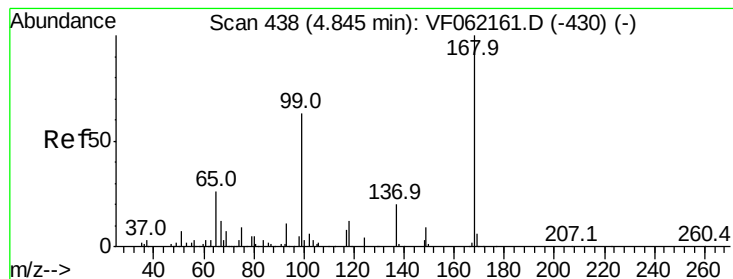
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF040419\
Data File : VF062158.D
Acq On : 4 Apr 2019 15:39
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Sample : VSTDICC005
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Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Fri Apr 05 04:46:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	15664	5.669	ug/l	93
94) Hexachlorobutadiene	14.17	225	9620	5.271	ug/l	98
95) Naphthalene	14.44	128	24632	5.210	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	12114	4.781	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 437

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

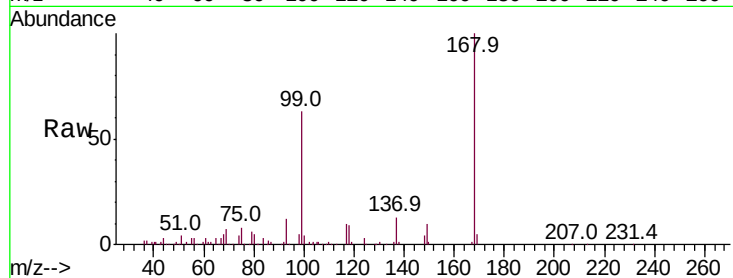
VSTDIC005

Tot Ion:168 Resp: 206006

Ion Ratio Lower Upper

168 100

99 62.5 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

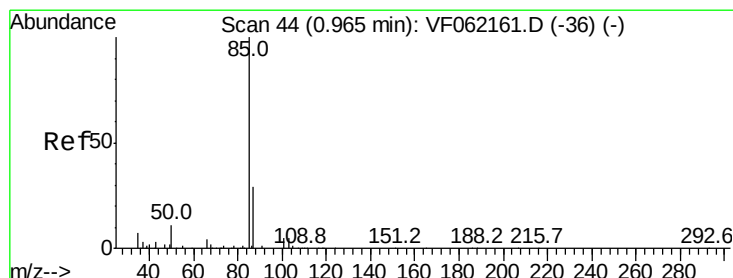
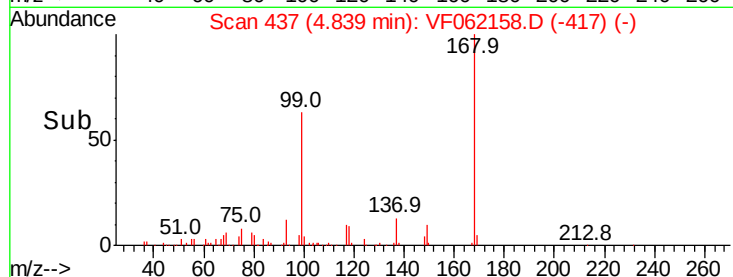
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 5.934 ug/l

RT: 0.95 min Scan# 42

Delta R.T. -0.02 min

Lab File: VF062158.D

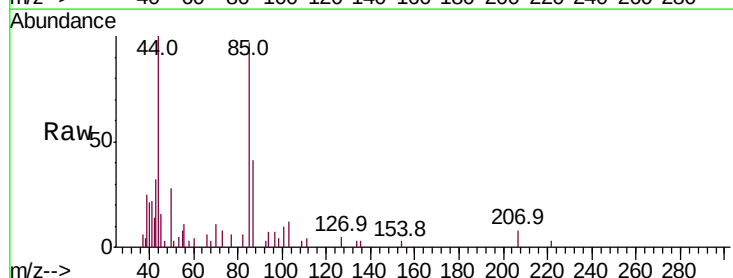
Acq: 4 Apr 2019 15:39

Tgt Ion: 85 Resp: 15921

Ion Ratio Lower Upper

85 100

87 42.7 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

4000

3000

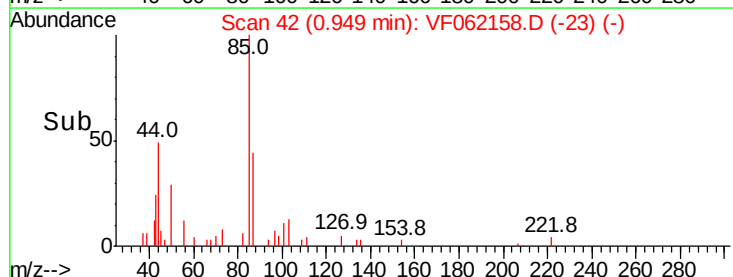
2000

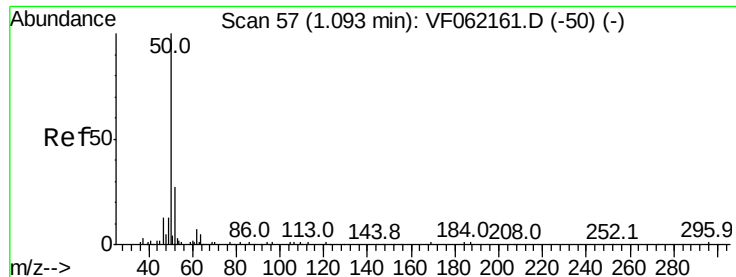
1000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 4.086 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

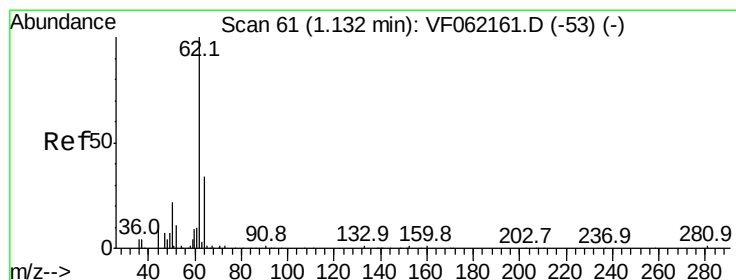
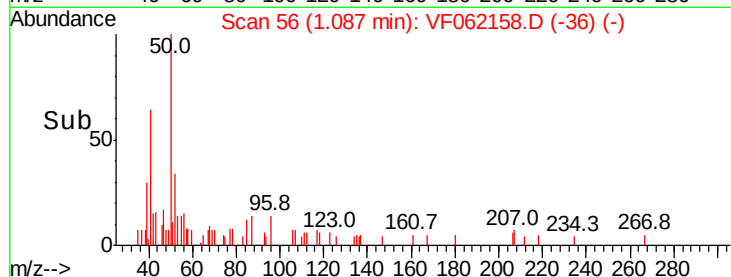
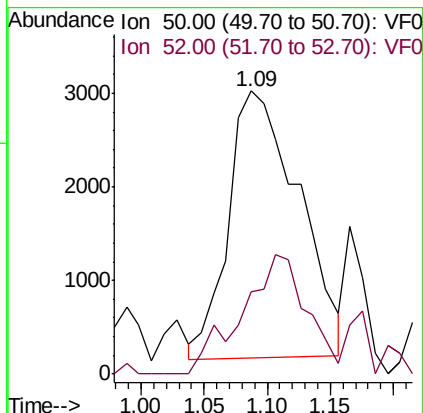
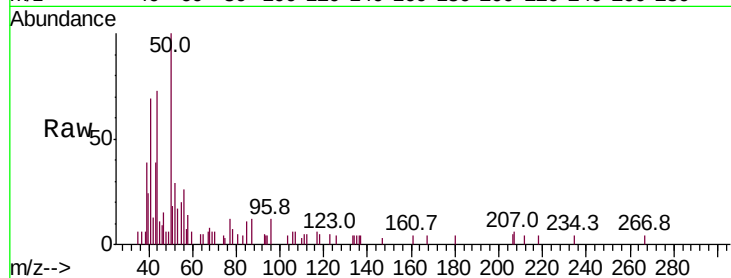
VSTDIC005

Tot Ion: 50 Resp: 11078

Ion Ratio Lower Upper

50 100

52 29.3 21.4 32.0



#4

Vinyl Chloride

Concen: 5.004 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062158.D

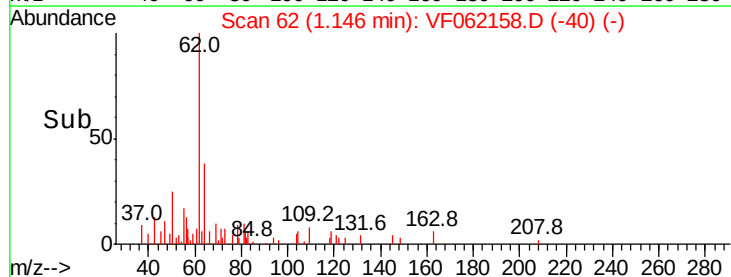
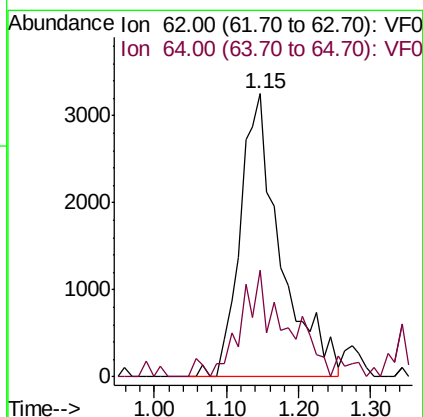
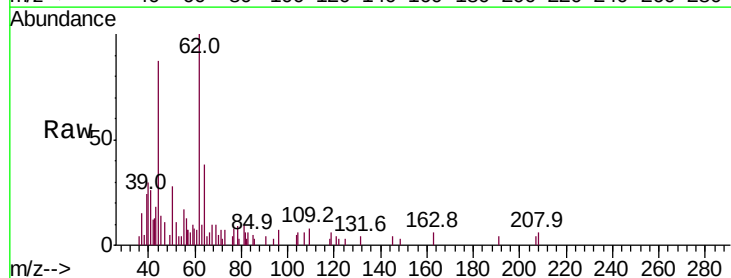
Acq: 4 Apr 2019 15:39

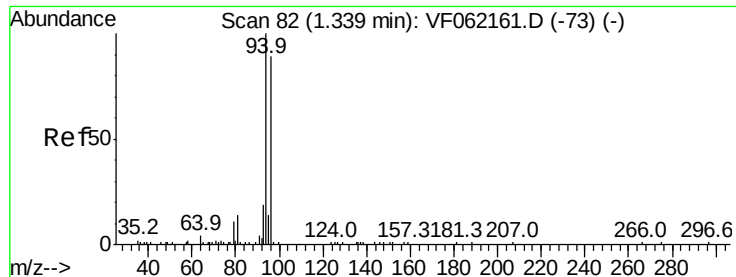
Tgt Ion: 62 Resp: 12636

Ion Ratio Lower Upper

62 100

64 37.7 27.0 40.4





#5

Bromomethane

Concen: 6.222 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.03 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

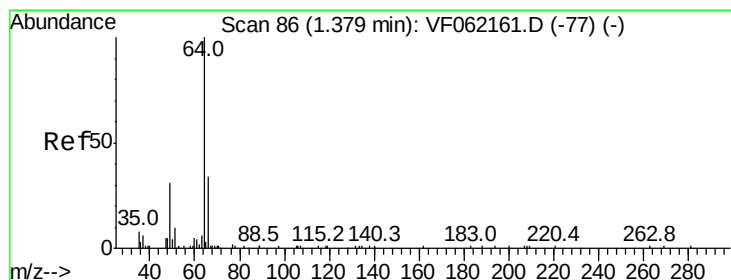
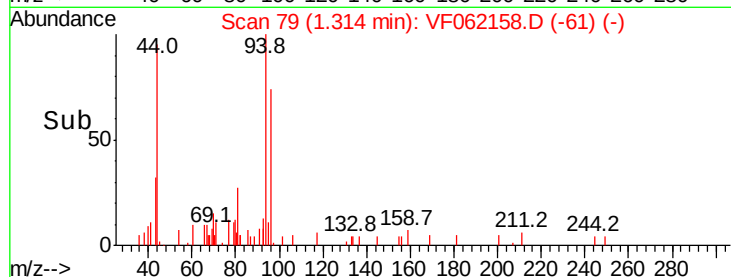
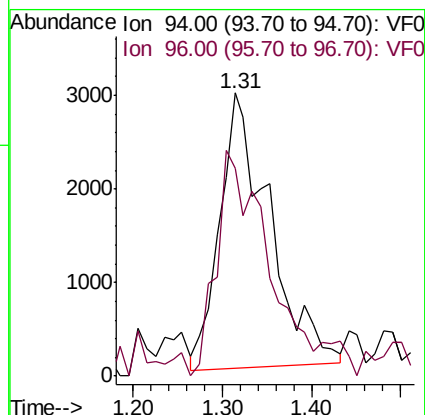
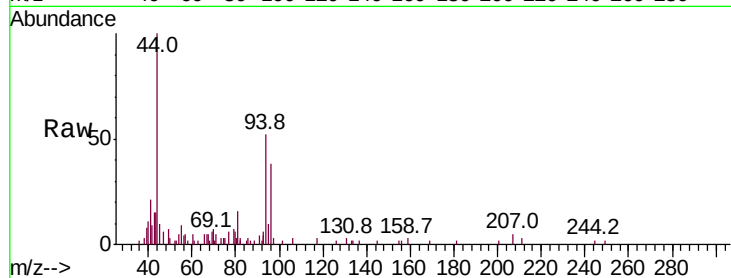
VSTDIC005

Tot Ion: 94 Resp: 11467

Ion Ratio Lower Upper

94 100

96 73.4 71.3 106.9



#6

Chloroethane

Concen: 5.860 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.02 min

Lab File: VF062158.D

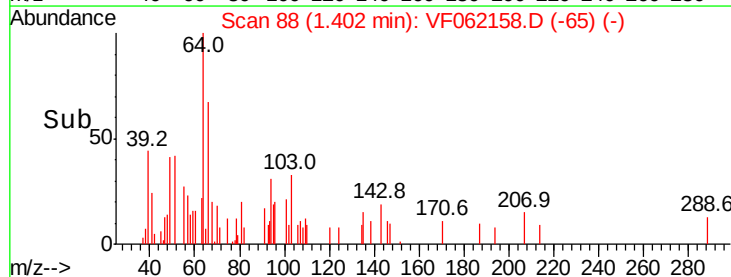
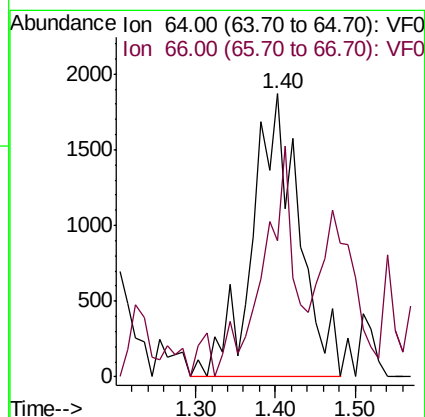
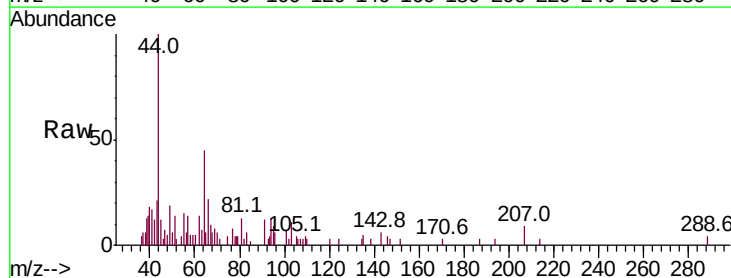
Acq: 4 Apr 2019 15:39

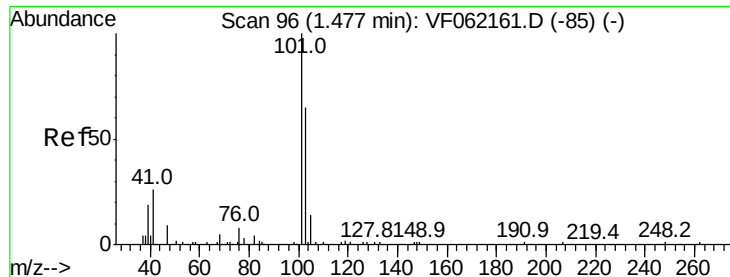
Tgt Ion: 64 Resp: 7589

Ion Ratio Lower Upper

64 100

66 48.2 27.8 41.6#



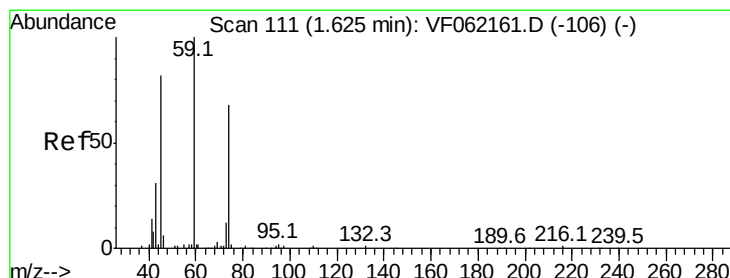
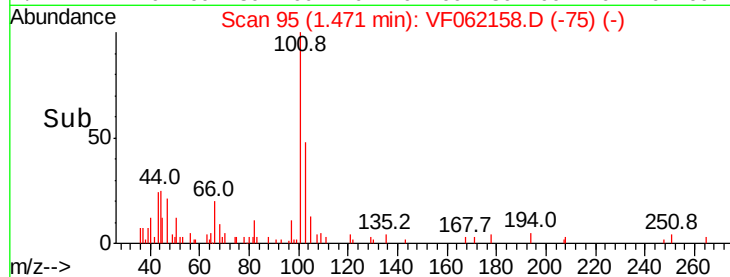
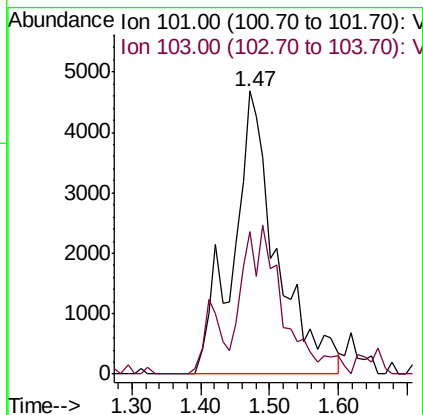
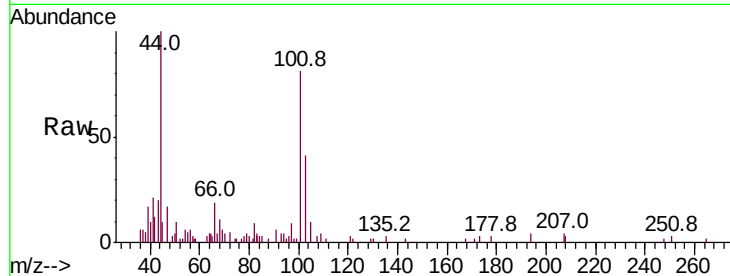


#7

Trichlorofluoromethane
Concen: 6.584 ug/l m
RT: 1.47 min Scan# 95
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

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MSVOA_F
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VSTDIC005

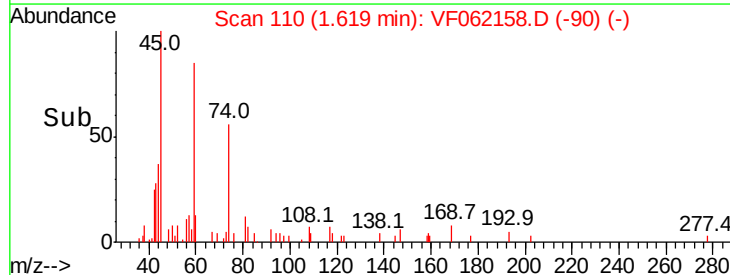
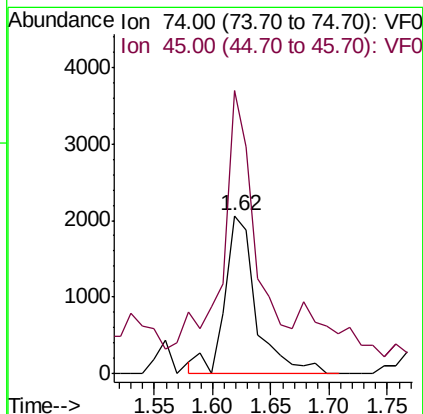
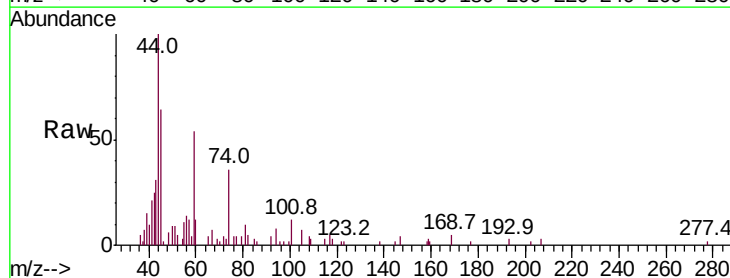
Tot Ion:101 Resp: 20768
Ion Ratio Lower Upper
101 100
103 50.4 52.0 78.0#

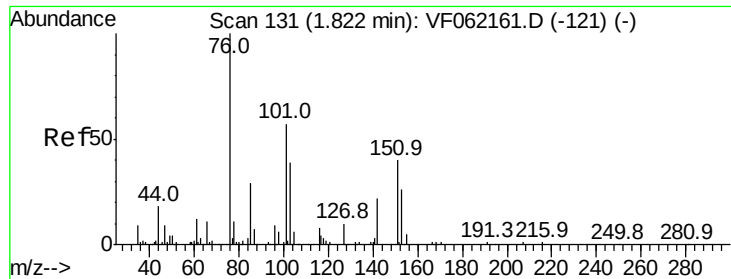


#8

Diethyl Ether
Concen: 5.477 ug/l
RT: 1.62 min Scan# 110
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 74 Resp: 3835
Ion Ratio Lower Upper
74 100
45 178.8 61.9 185.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.741 ug/l

RT: 1.82 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

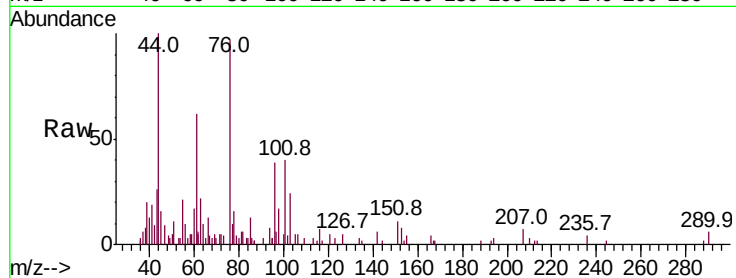
Tot Ion:101 Resp: 12029

Ion Ratio Lower Upper

101 100

85 30.5 41.0 61.6#

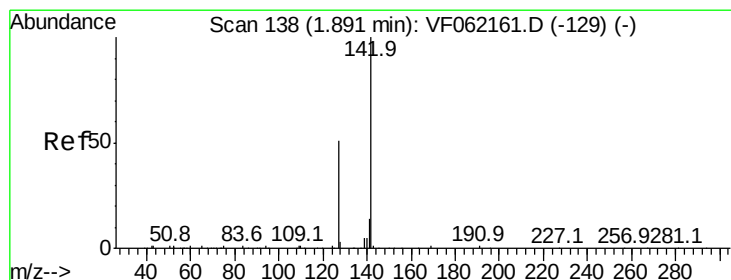
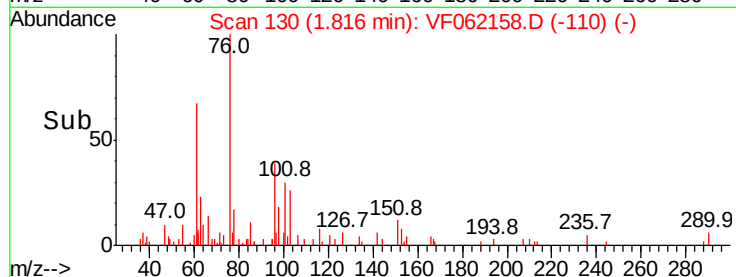
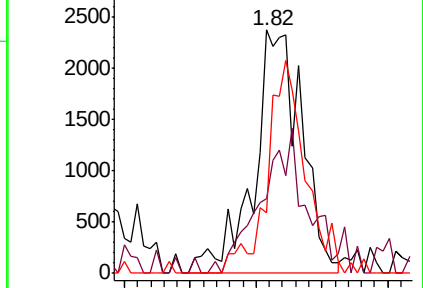
151 24.8 56.5 84.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 4.963 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

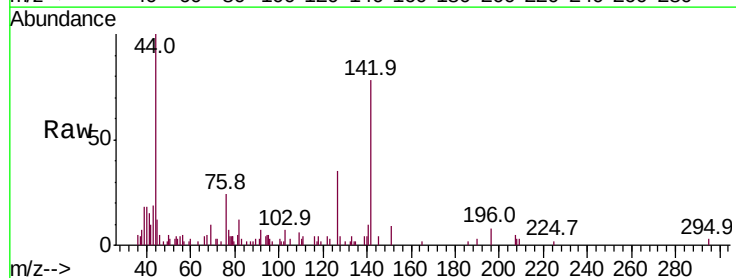
Tgt Ion:142 Resp: 19699

Ion Ratio Lower Upper

142 100

127 45.5 40.7 61.1

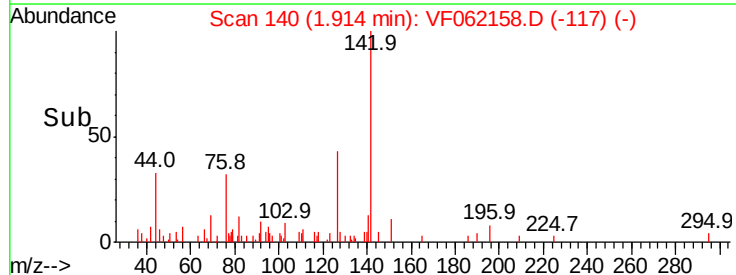
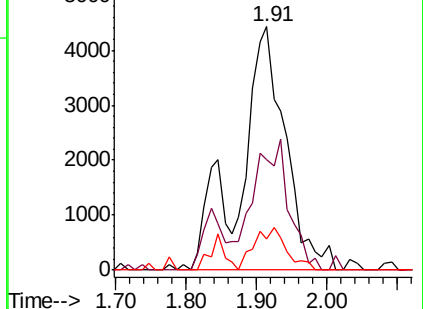
141 12.9 11.1 16.7

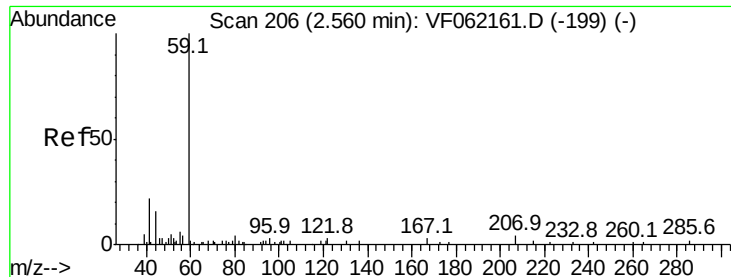


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 50.872 ug/l

RT: 2.55 min Scan# 205

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

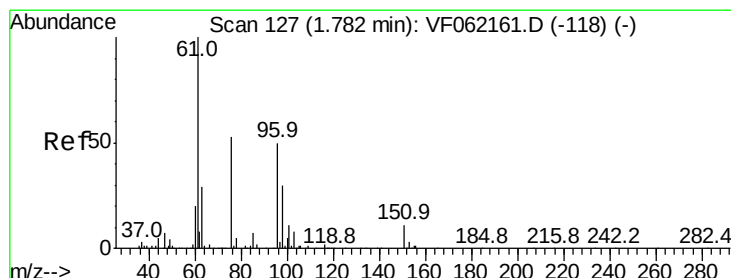
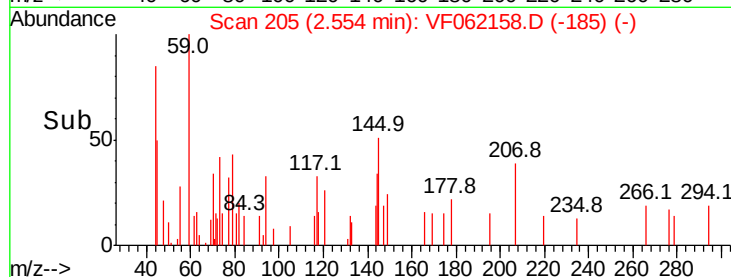
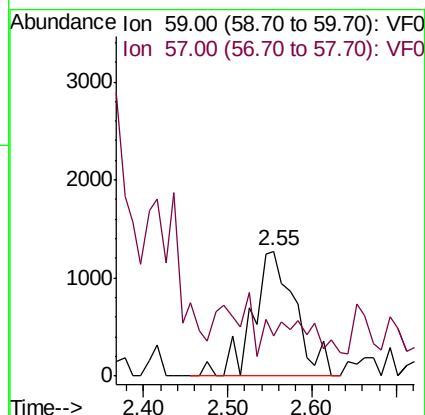
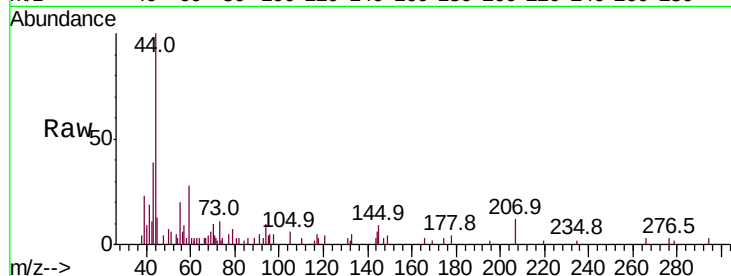
VSTDIC005

Tot Ion: 59 Resp: 4433

Ion Ratio Lower Upper

59 100

57 32.0 9.5 14.3#



#12

1,1-Dichloroethene

Concen: 6.555 ug/l m

RT: 1.80 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

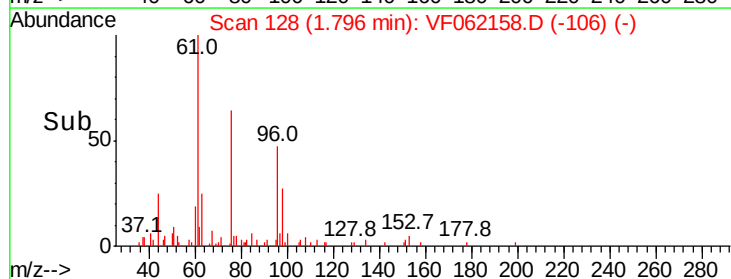
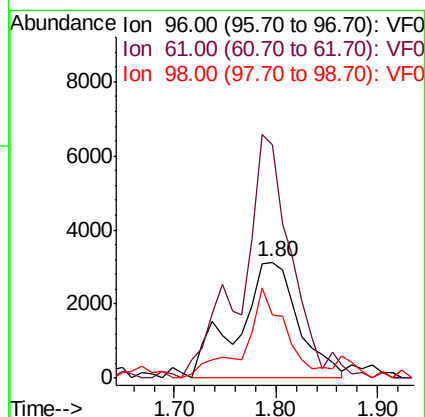
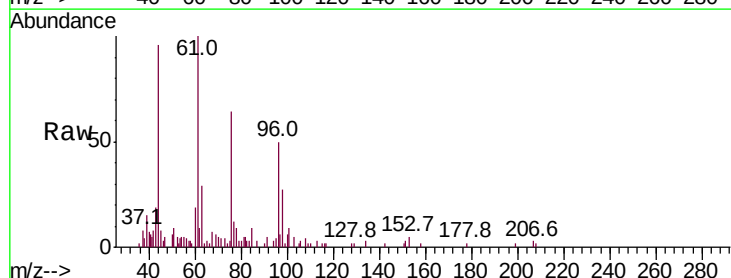
Tgt Ion: 96 Resp: 13009

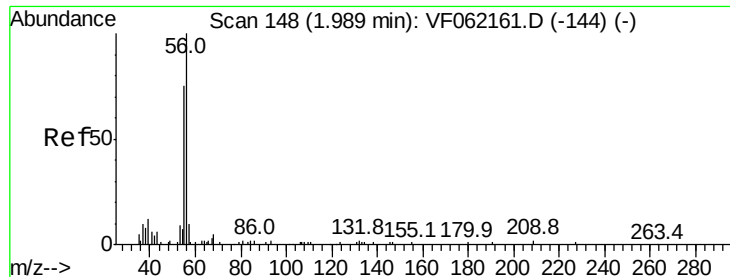
Ion Ratio Lower Upper

96 100

61 201.6 161.8 242.6

98 54.4 49.2 73.8

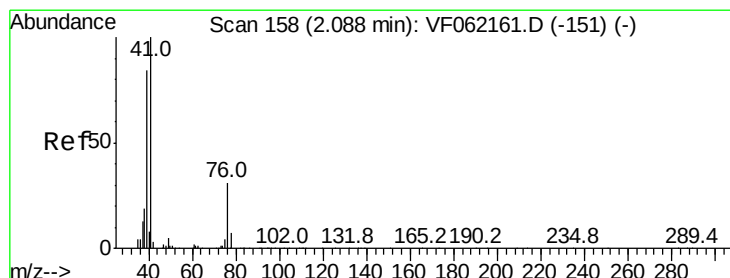
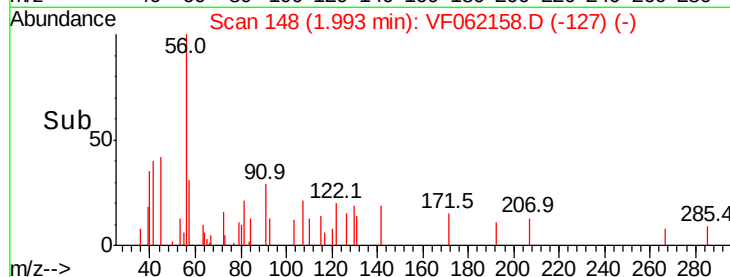
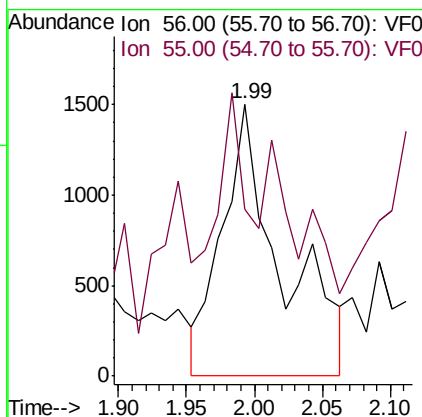
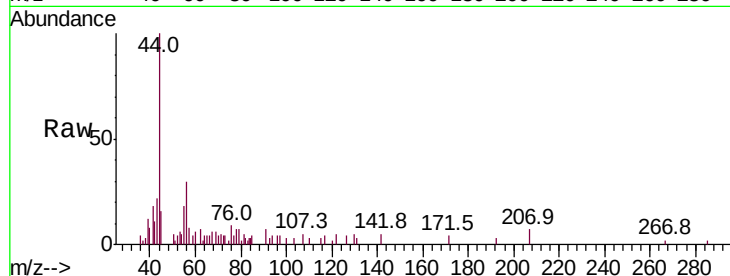




#13
Acrolein
Concen: 43.869 ug/l m
RT: 1.99 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

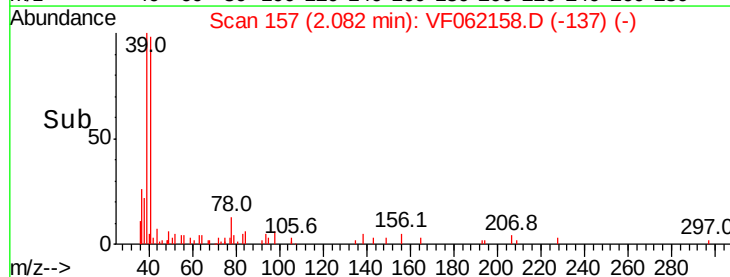
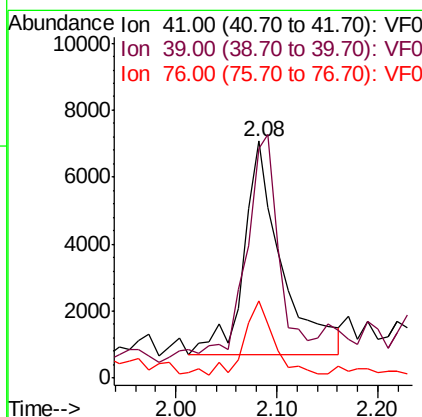
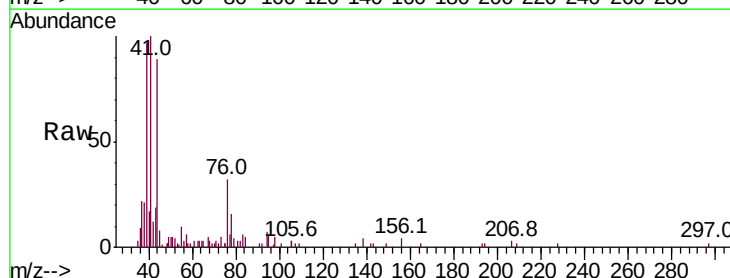
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

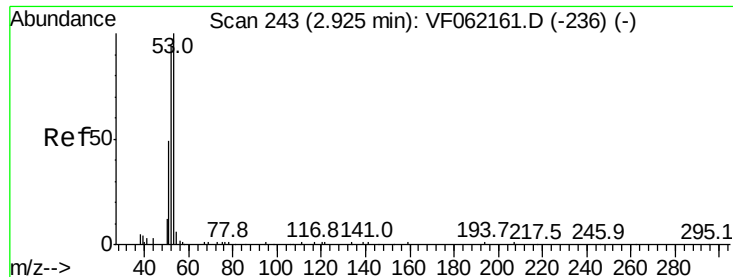
Tot Ion: 56 Resp: 4511
Ion Ratio Lower Upper
56 100
55 61.3 63.5 95.3#



#14
Allyl chloride
Concen: 7.569 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 41 Resp: 16779
Ion Ratio Lower Upper
41 100
39 96.6 67.6 101.4
76 32.4 25.7 38.5





#15

Acrylonitrile

Concen: 18.779 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

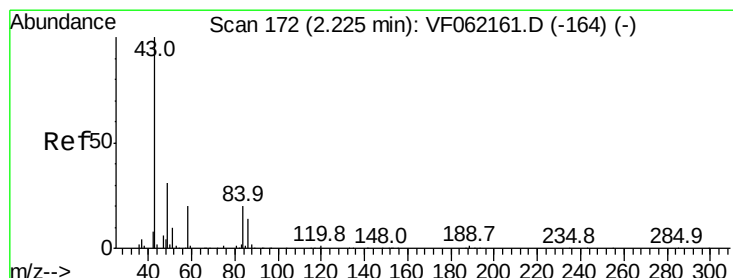
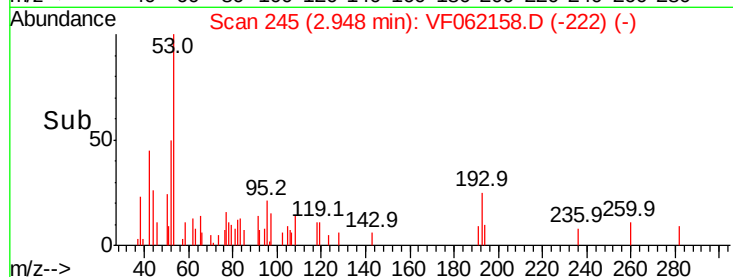
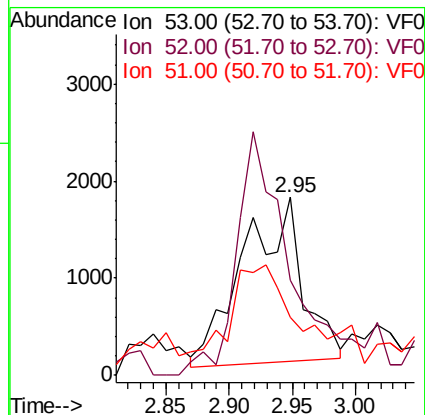
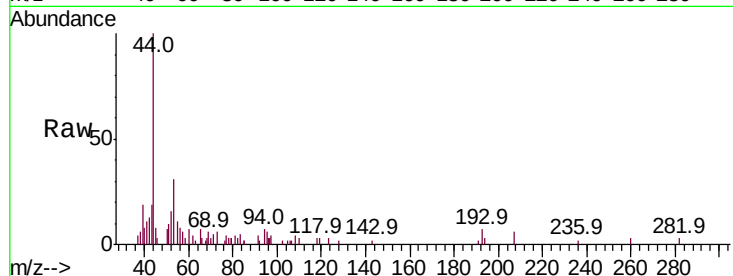
Tot Ion: 53 Resp: 5574

Ion Ratio Lower Upper

53 100

52 53.3 75.5 113.3#

51 32.5 39.7 59.5#



#16

Acetone

Concen: 48.526 ug/l m

RT: 2.24 min Scan# 173

Delta R.T. 0.01 min

Lab File: VF062158.D

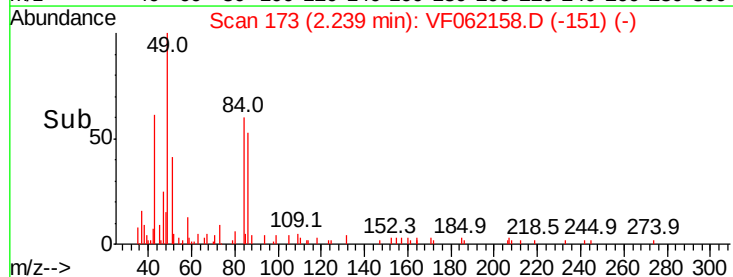
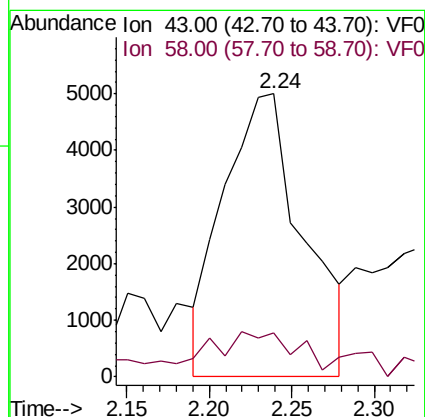
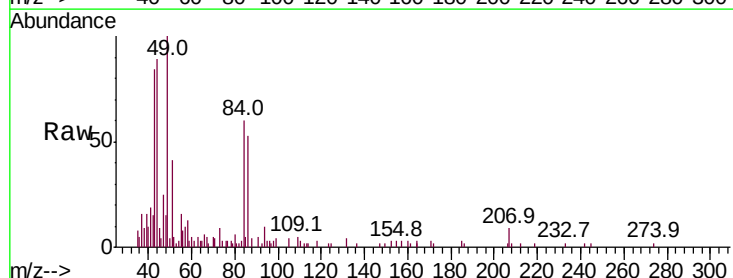
Acq: 4 Apr 2019 15:39

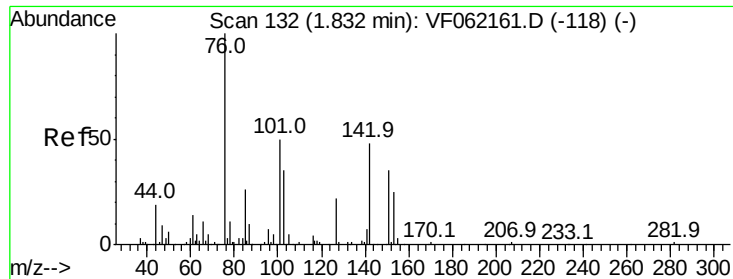
Tgt Ion: 43 Resp: 16902

Ion Ratio Lower Upper

43 100

58 15.4 15.7 23.5#

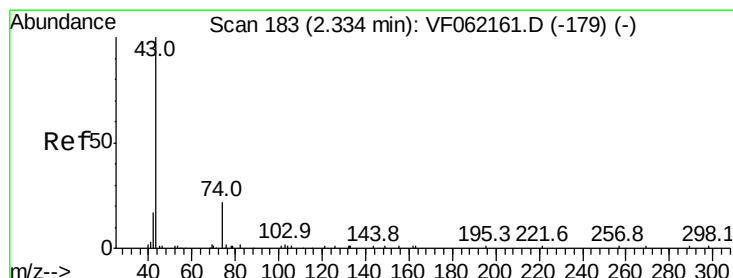
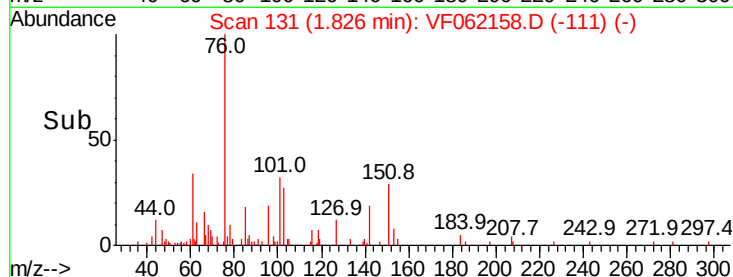
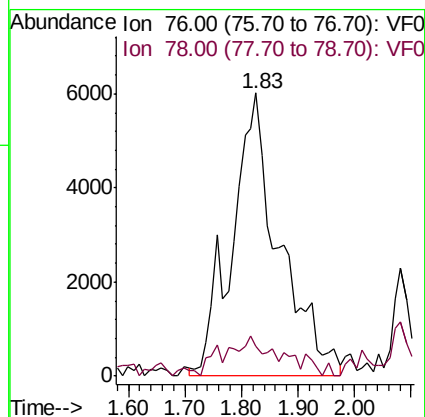
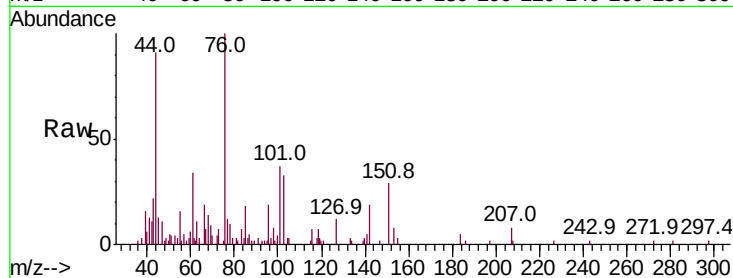




#17
Carbon Disulfide
Concen: 5.742 ug/l m
RT: 1.83 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

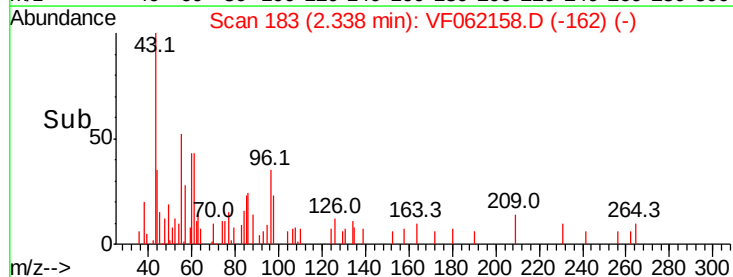
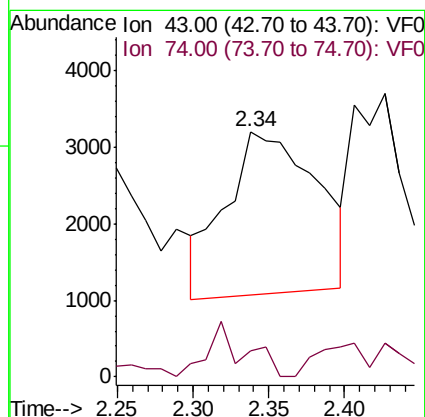
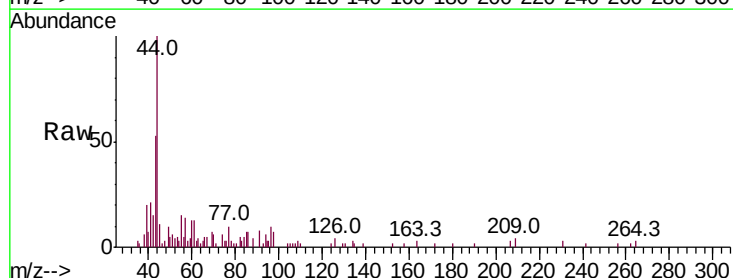
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

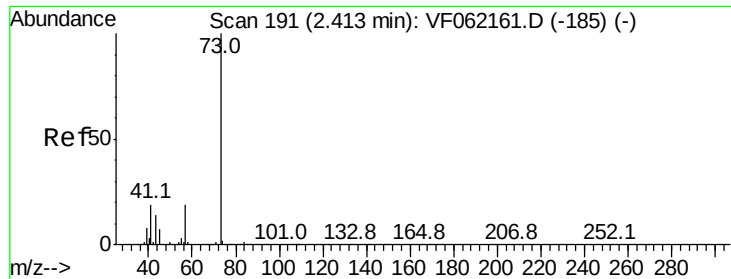
Tot Ion: 76 Resp: 34858
Ion Ratio Lower Upper
76 100
78 10.4 8.6 13.0



#18
Methyl Acetate
Concen: 11.087 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 43 Resp: 8889
Ion Ratio Lower Upper
43 100
74 10.5 14.3 21.5#



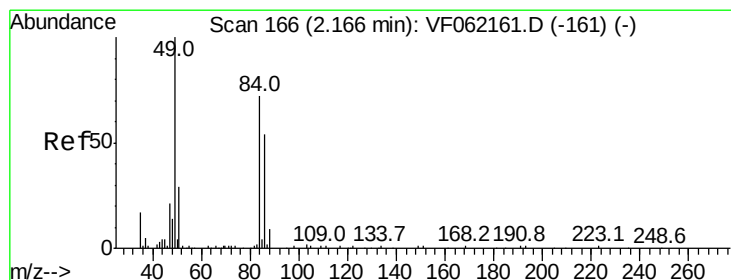
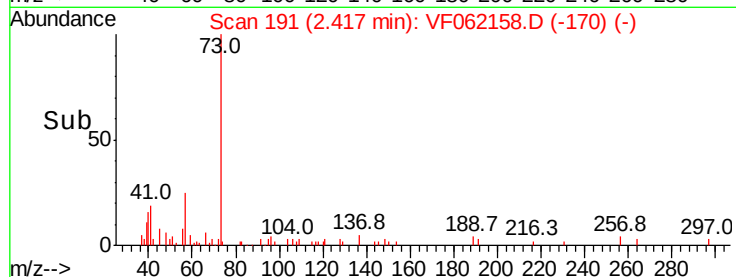
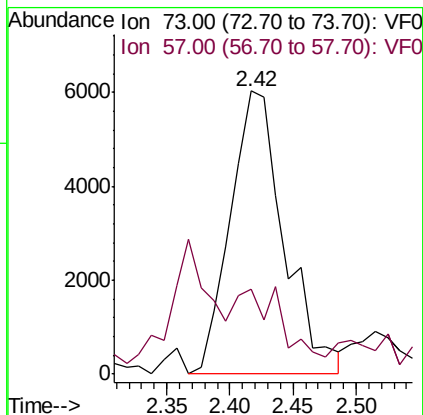
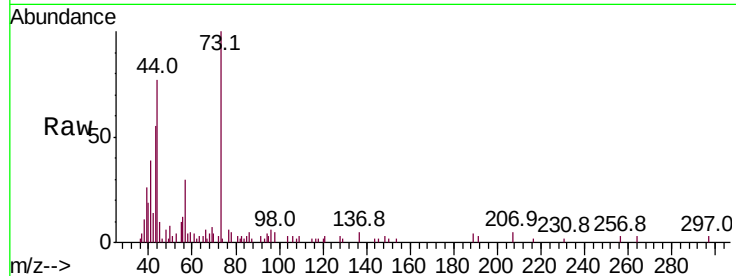


#19

Methyl tert-butyl Ether
 Concen: 5.537 ug/l
 RT: 2.42 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VF062158.D
 Acq: 4 Apr 2019 15:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

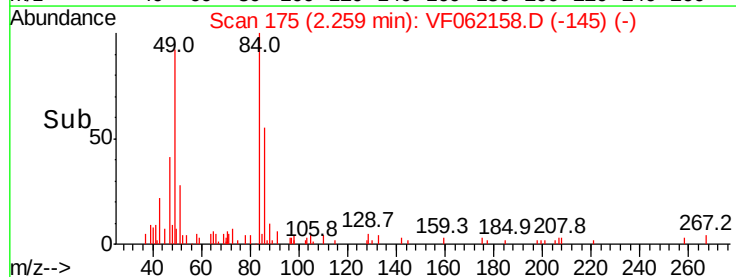
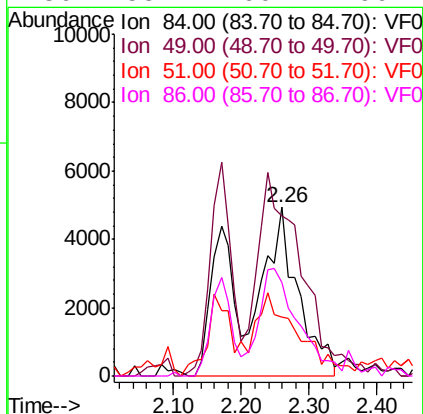
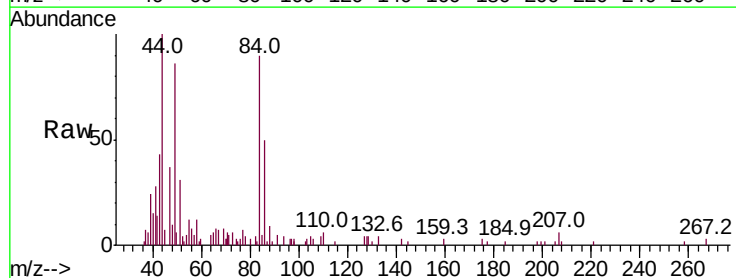
Tot Ion: 73 Resp: 17944
 Ion Ratio Lower Upper
 73 100
 57 30.0 17.4 26.0#

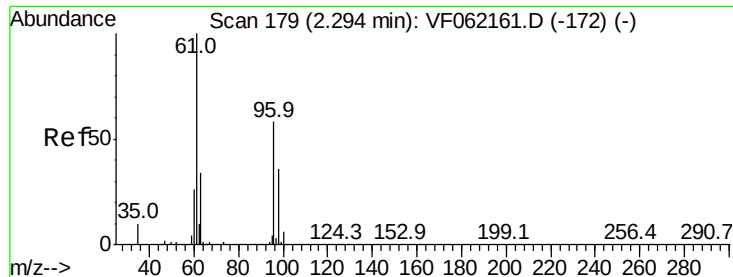


#20

Methylene Chloride
 Concen: 12.452 ug/l m
 RT: 2.26 min Scan# 175
 Delta R.T. 0.09 min
 Lab File: VF062158.D
 Acq: 4 Apr 2019 15:39

Tgt Ion: 84 Resp: 28018
 Ion Ratio Lower Upper
 84 100
 49 94.9 112.6 168.8#
 51 34.7 33.4 50.2
 86 55.4 60.1 90.1#





#21

trans-1,2-Dichloroethene

Concen: 5.679 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

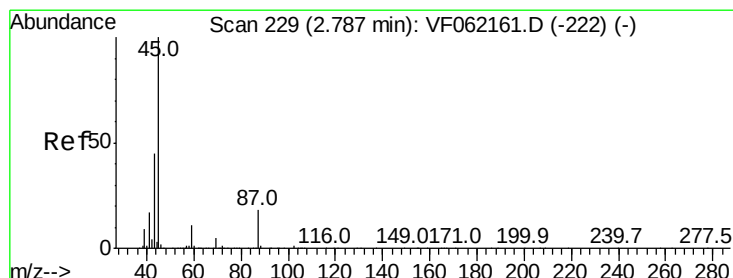
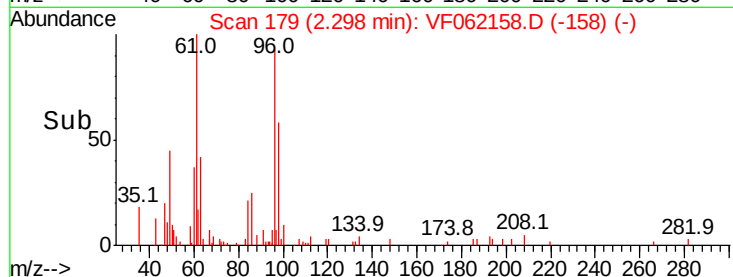
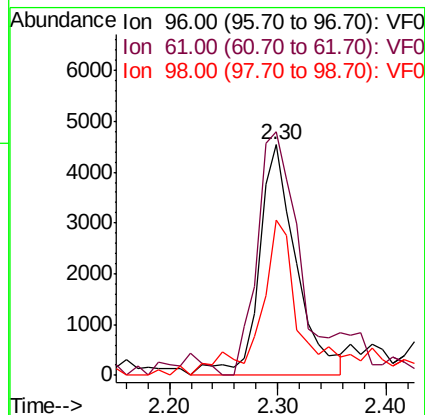
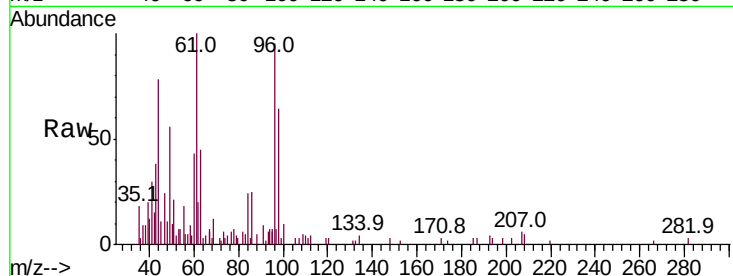
Tot Ion: 96 Resp: 10936

Ion Ratio Lower Upper

96 100

61 105.6 137.4 206.0#

98 67.5 49.4 74.0



#22

Diisopropyl ether

Concen: 5.981 ug/l

RT: 2.79 min Scan# 229

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Tgt Ion: 45 Resp: 34045

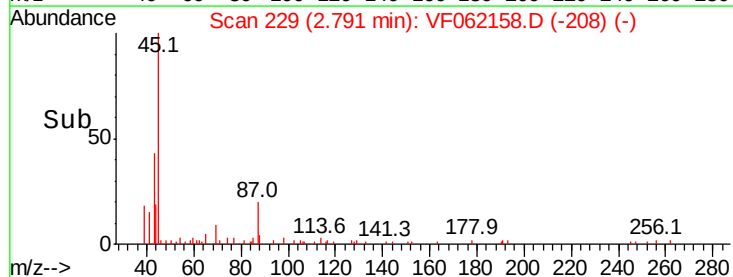
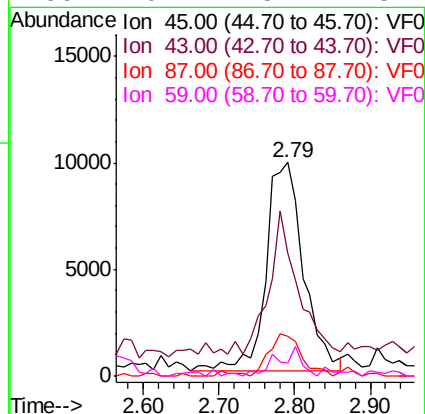
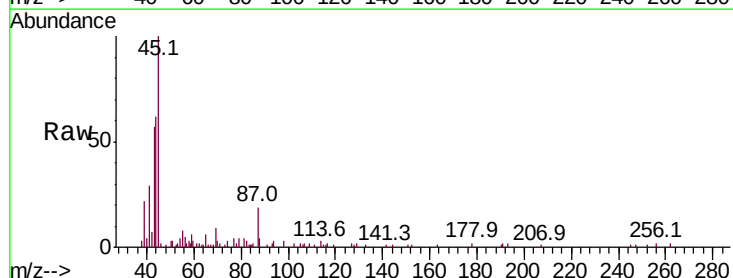
Ion Ratio Lower Upper

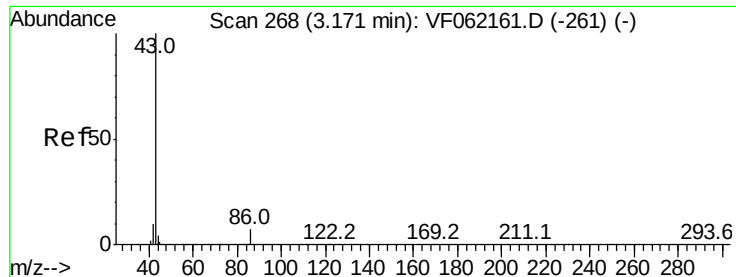
45 100

43 57.5 37.4 56.2#

87 18.8 14.3 21.5

59 6.2 8.7 13.1#





#23

Vinyl Acetate

Concen: 29.287 ug/l

RT: 3.17 min Scan# 268

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

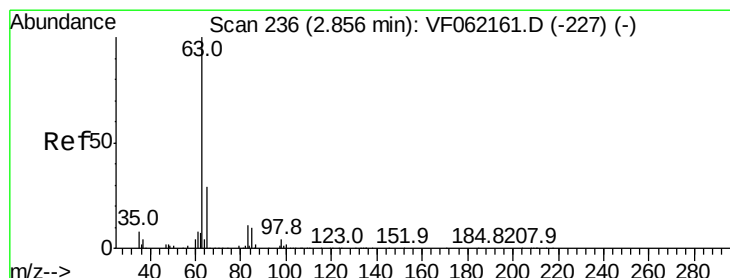
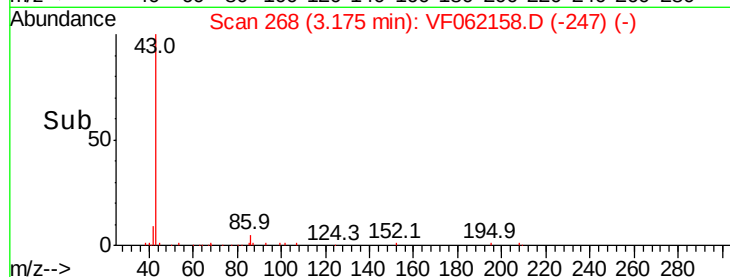
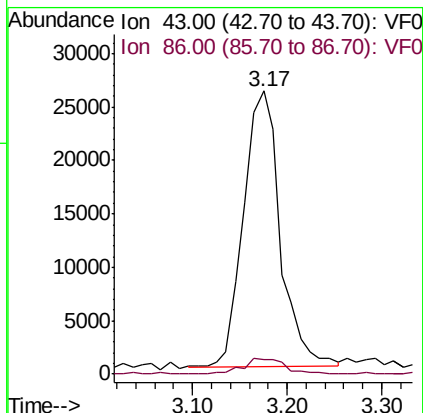
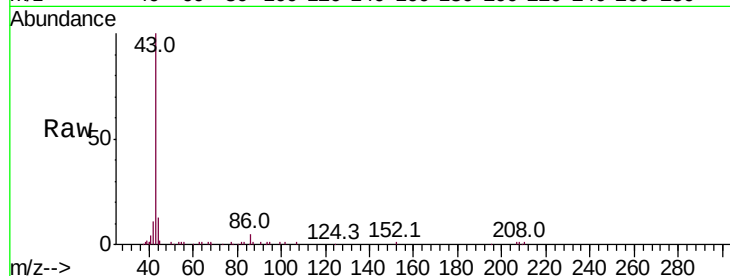
VSTDIC005

Tot Ion: 43 Resp: 69627

Ion Ratio Lower Upper

43 100

86 5.3 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 5.788 ug/l

RT: 2.86 min Scan# 236

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

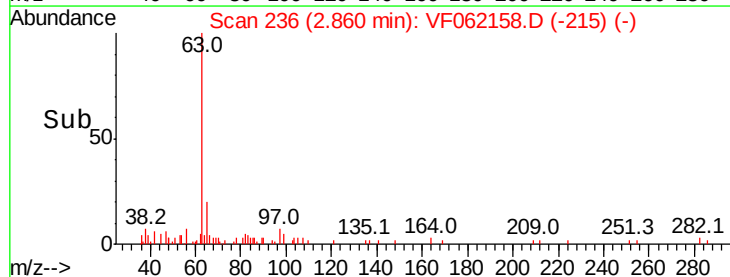
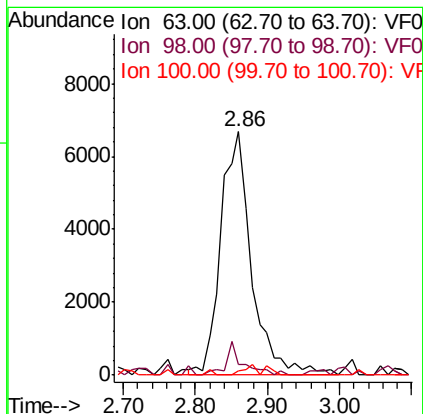
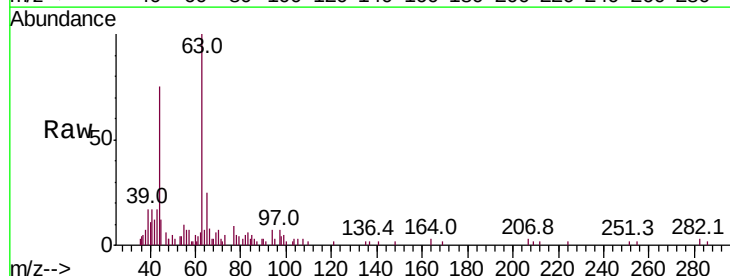
Tgt Ion: 63 Resp: 19735

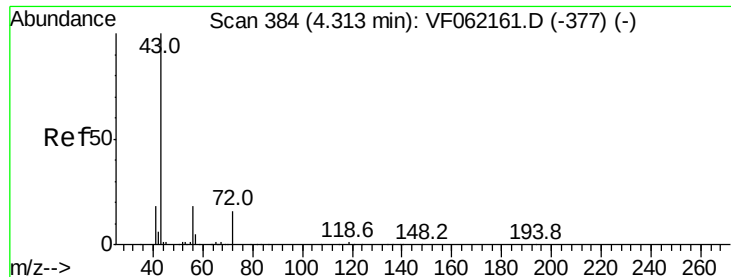
Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 2.0 1.0 3.0





#25

2-Butanone

Concen: 28.863 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.02 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

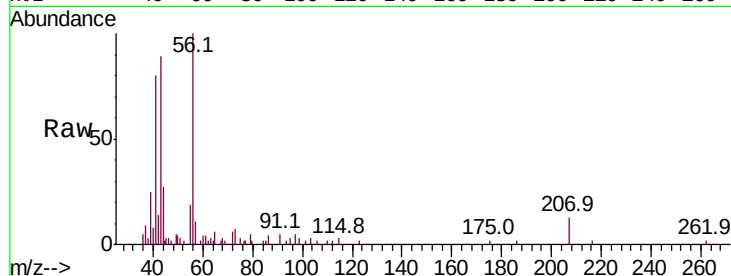
VSTDIC005

Tot Ion: 43 Resp: 19877

Ion Ratio Lower Upper

43 100

72 6.2 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

6000

5000

4000

3000

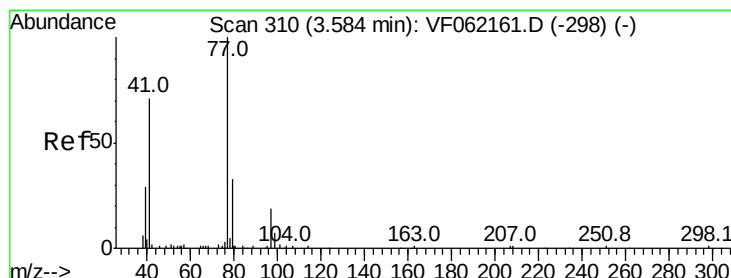
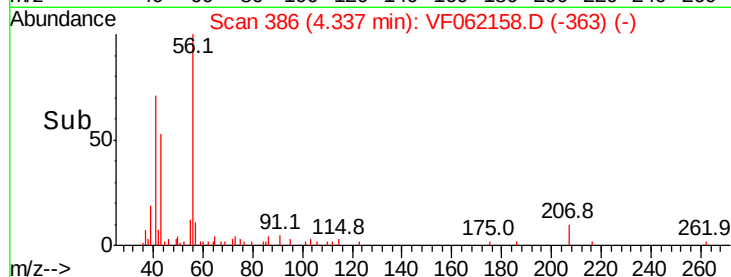
2000

1000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 8.745 ug/l

RT: 3.58 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062158.D

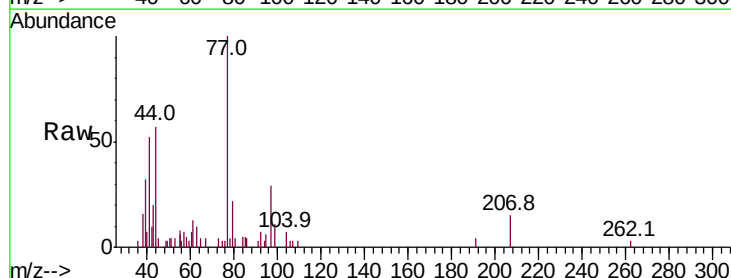
Acq: 4 Apr 2019 15:39

Tgt Ion: 77 Resp: 12635

Ion Ratio Lower Upper

77 100

97 28.7 11.4 34.2



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

4000

3000

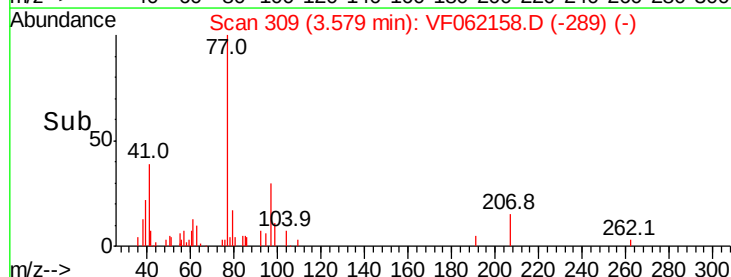
2000

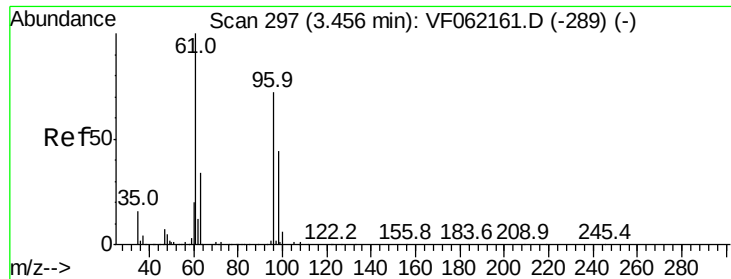
1000

0

3.50 3.60 3.70

Time-->



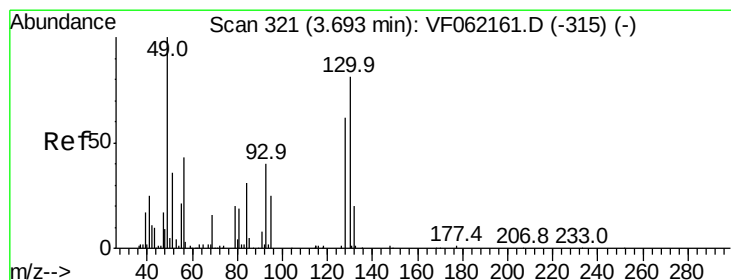
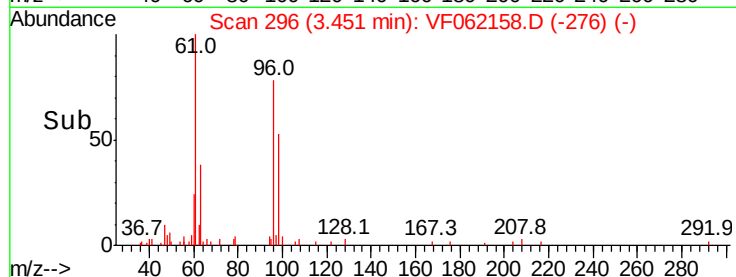
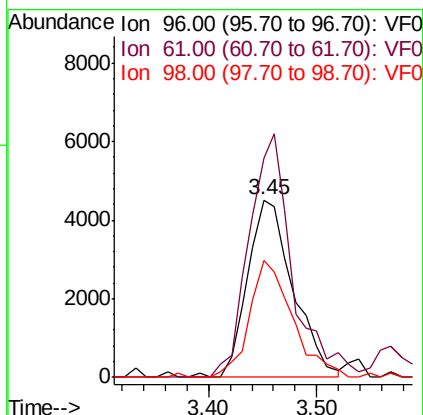
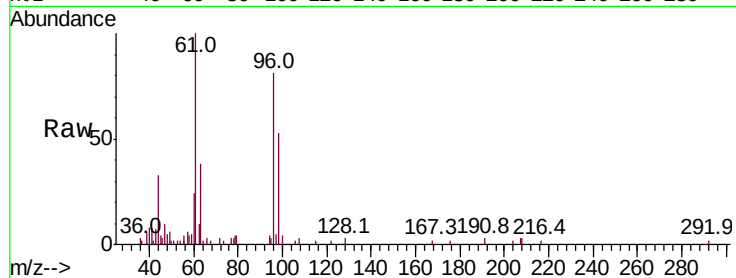


#27

cis-1,2-Dichloroethene
Concen: 5.182 ug/l
RT: 3.45 min Scan# 296
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

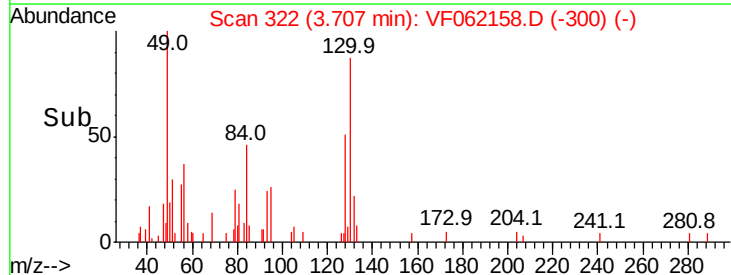
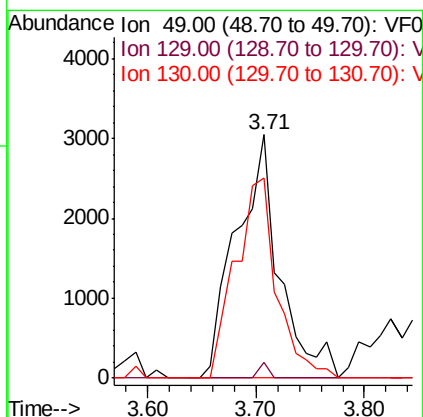
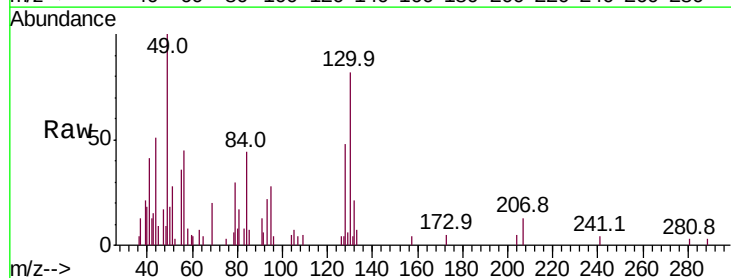
Tot Ion	96	Resp	13196
Ion	Ratio	Lower	Upper
96	100		
61	124.1	0.0	278.2
98	65.9	0.0	122.2

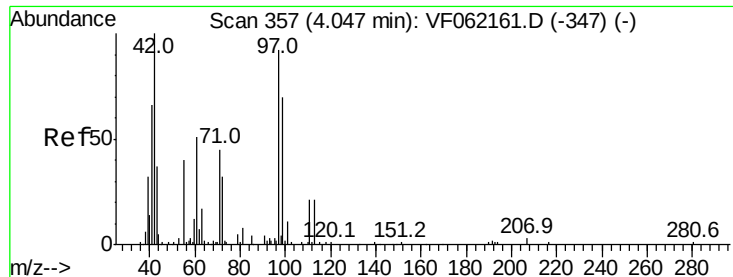


#28

Bromochloromethane
Concen: 5.880 ug/l
RT: 3.71 min Scan# 322
Delta R.T. 0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion	49	Resp	8416
Ion	Ratio	Lower	Upper
49	100		
129	6.4	0.0	0.0#
130	82.2	65.0	97.4

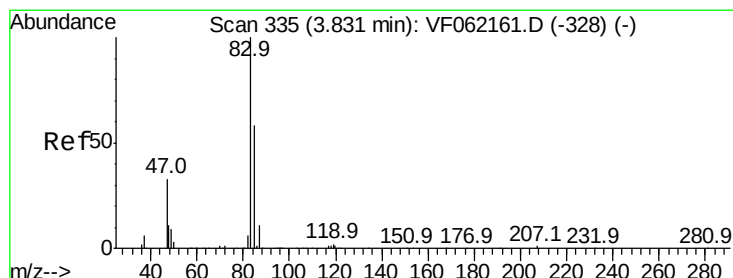
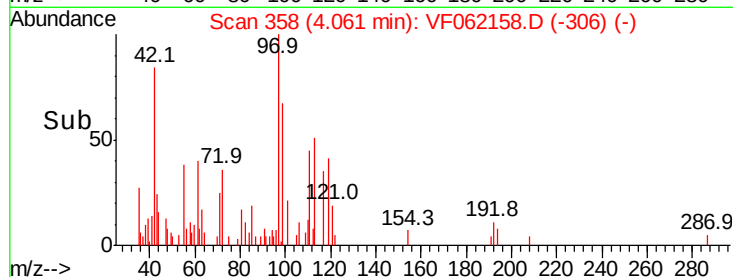
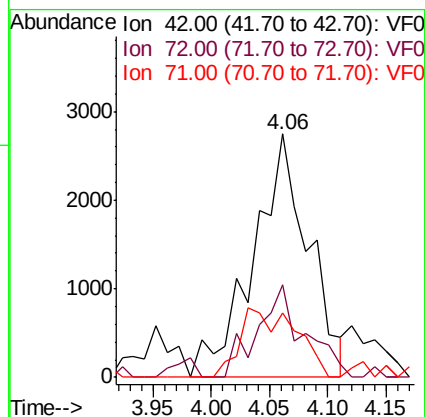
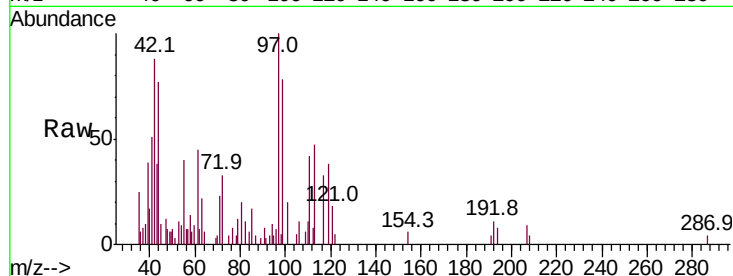




#29
Tetrahydrofuran
Concen: 30.253 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

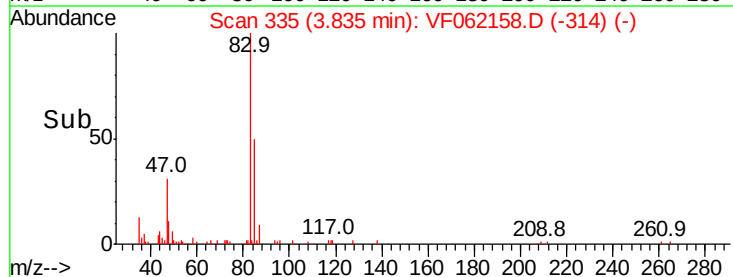
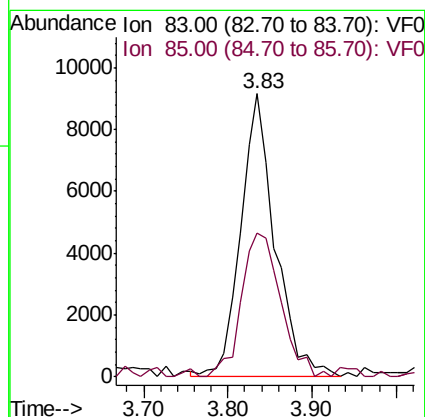
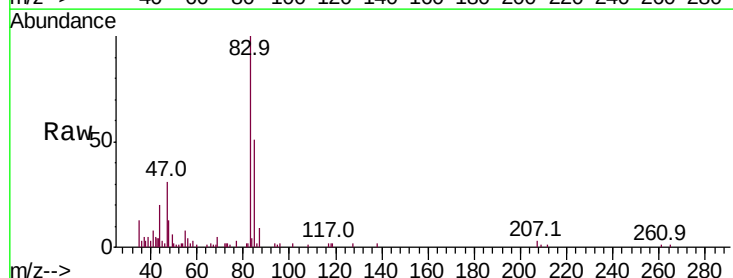
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

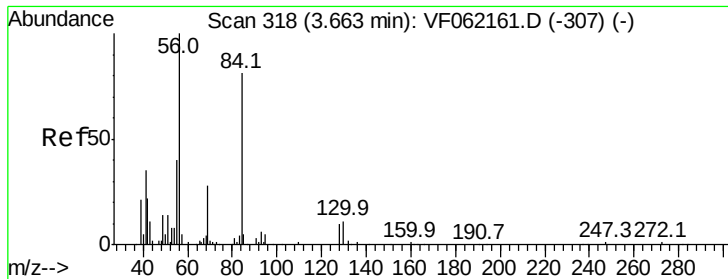
Tot Ion: 42 Resp: 9027
Ion Ratio Lower Upper
42 100
72 32.1 30.9 46.3
71 0.0 32.0 48.0#



#30
Chloroform
Concen: 7.058 ug/l
RT: 3.83 min Scan# 335
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 83 Resp: 25968
Ion Ratio Lower Upper
83 100
85 51.0 46.9 70.3

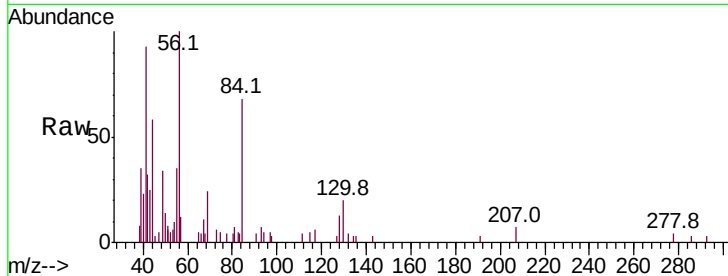




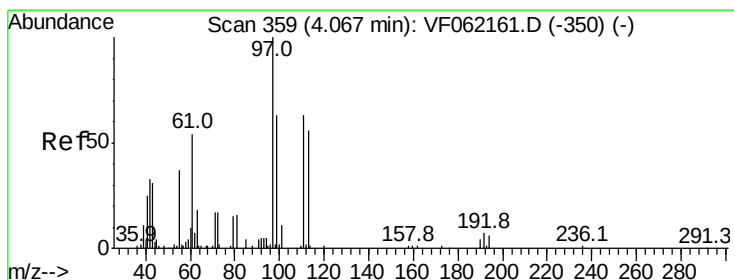
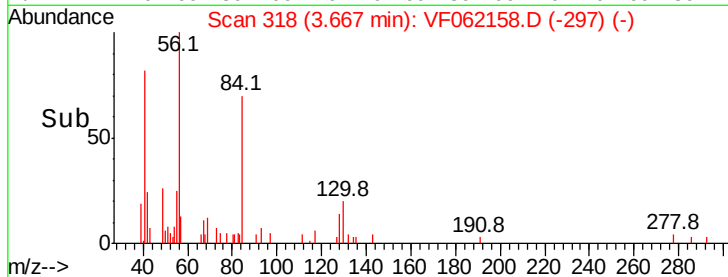
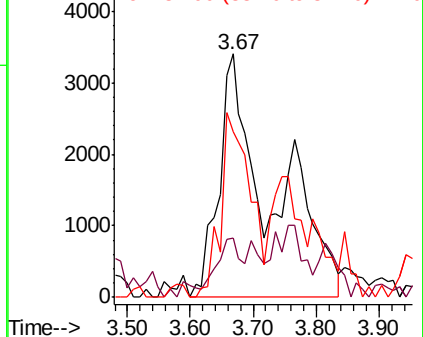
#31
Cyclohexane
Concen: 5.632 ug/l m
RT: 3.67 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 19641
Ion Ratio Lower Upper
56 100
69 24.4 23.0 34.4
84 67.9 64.4 96.6

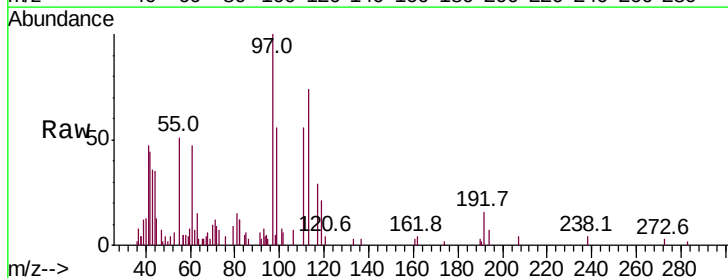


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

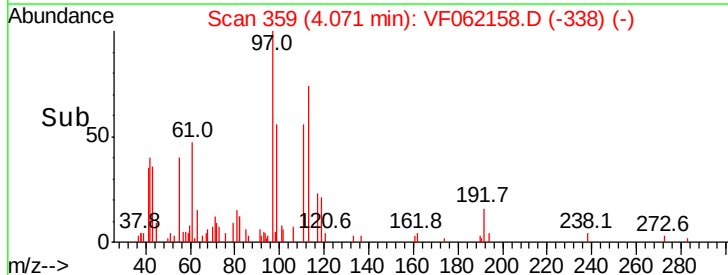
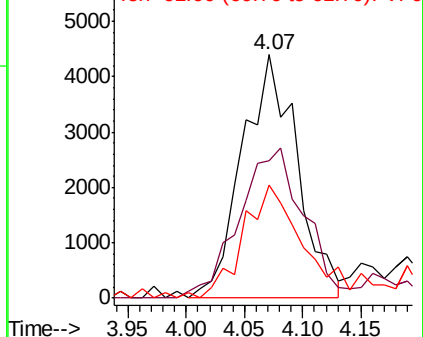


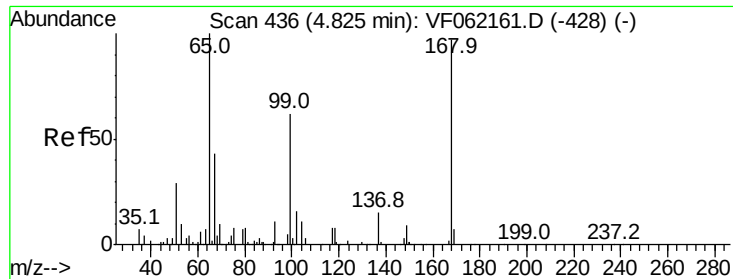
#32
1,1,1-Trichloroethane
Concen: 6.103 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 97 Resp: 14368
Ion Ratio Lower Upper
97 100
99 56.5 50.2 75.2
61 46.7 43.5 65.3



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 7.359 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

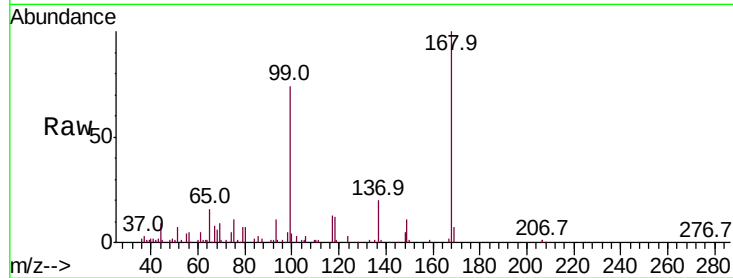
VSTDIC005

Tot Ion: 65 Resp: 12489

Ion Ratio Lower Upper

65 100

67 52.8 0.0 96.0

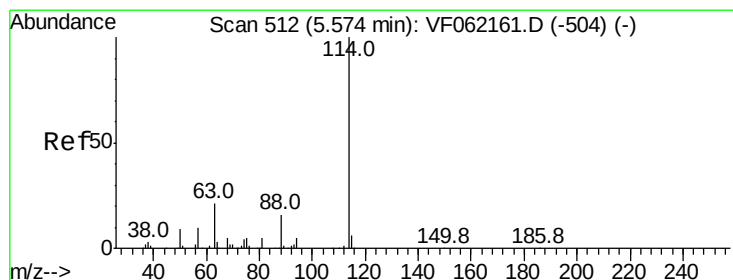
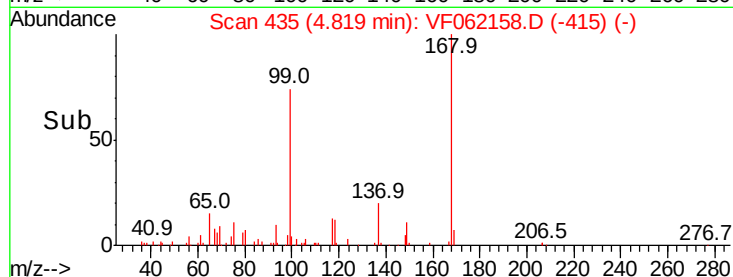


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.82

4.70 4.80 4.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 512

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

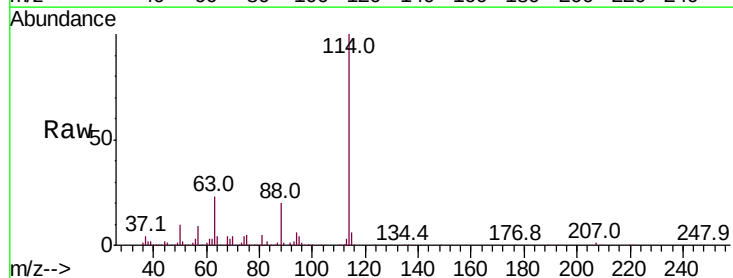
Tgt Ion: 114 Resp: 323756

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 19.7 0.0 31.4



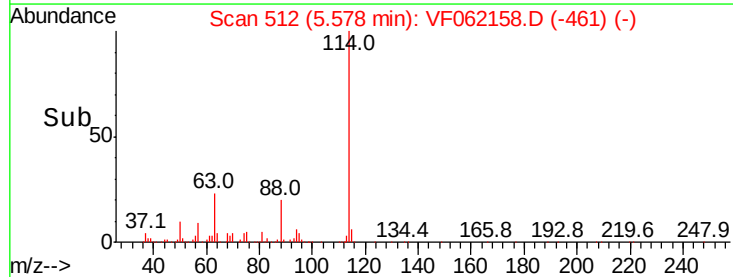
Abundance Ion 114.00 (113.70 to 114.70): V

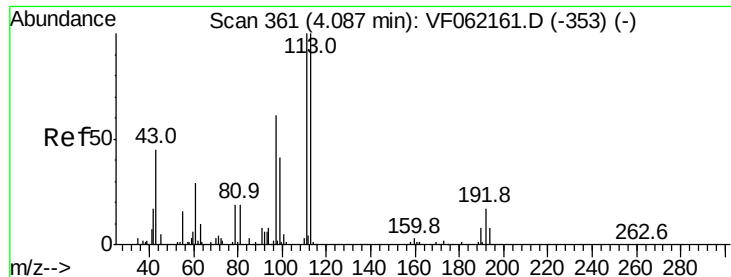
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.58

5.40 5.50 5.60 5.70





#35

Dibromofluoromethane

Concen: 5.405 ug/l

RT: 4.08 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

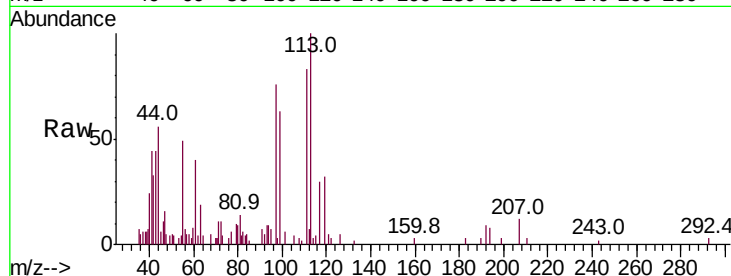
Tot Ion:113 Resp: 12066

Ion Ratio Lower Upper

113 100

111 83.1 79.8 119.6

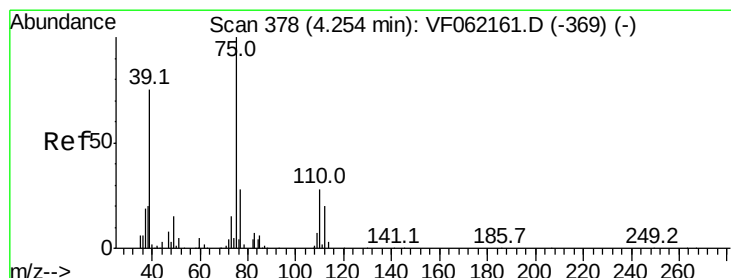
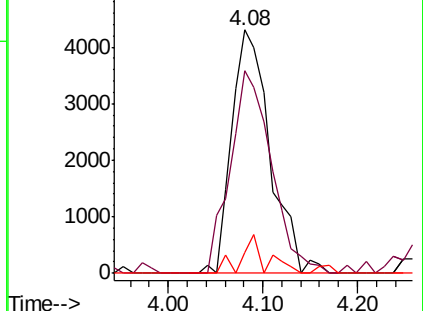
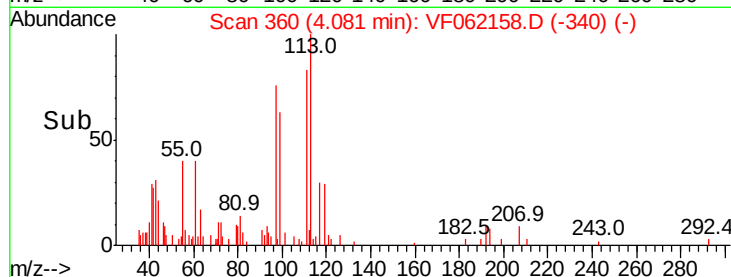
192 8.6 13.8 20.6#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 6.256 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

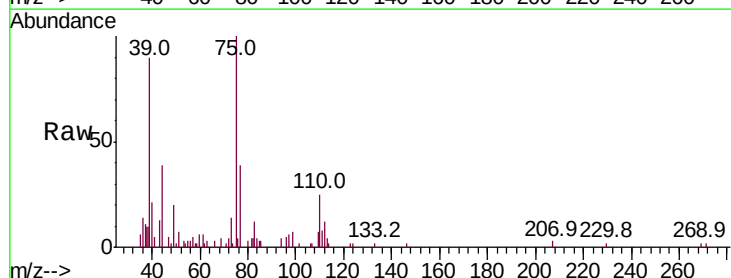
Tgt Ion: 75 Resp: 19727

Ion Ratio Lower Upper

75 100

110 24.9 13.9 41.7

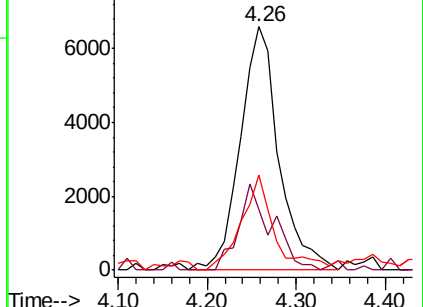
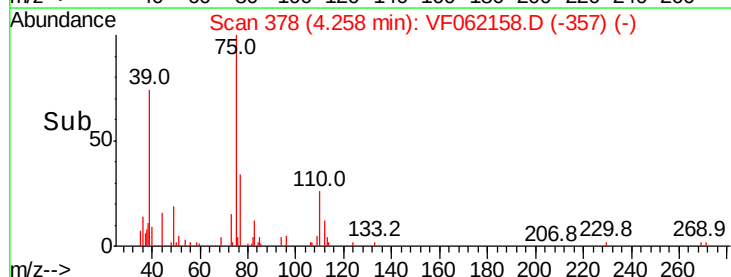
77 39.0 22.6 34.0#

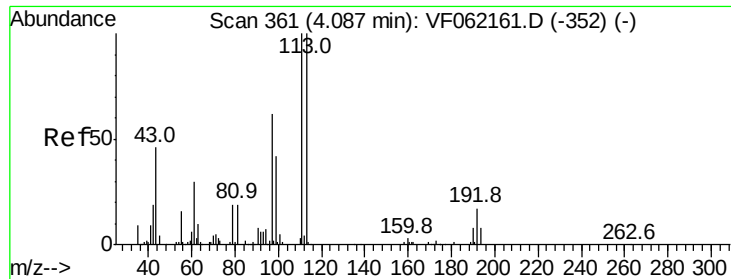


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 7.441 ug/l m

RT: 4.11 min Scan# 363

Delta R.T. 0.02 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

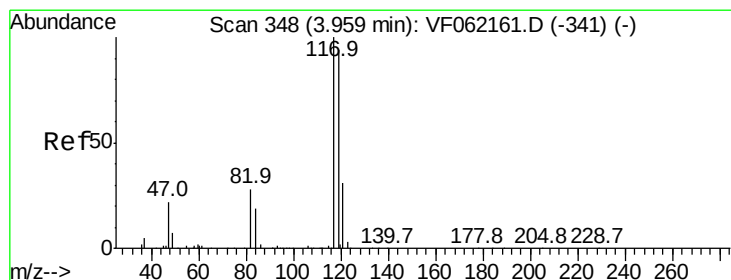
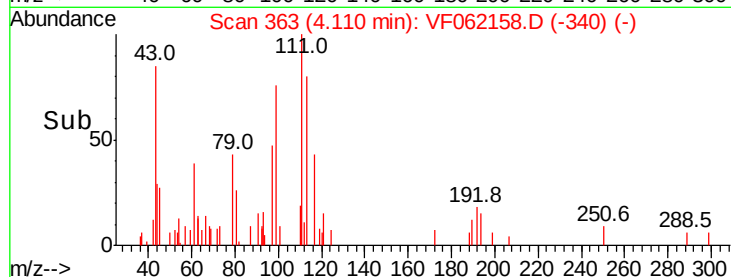
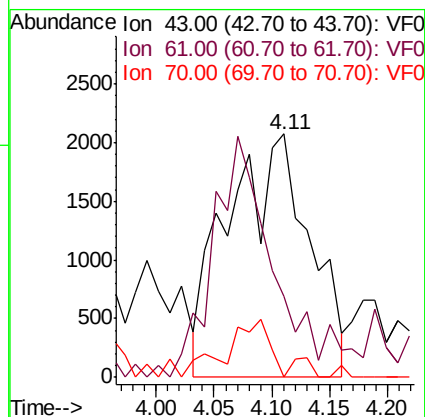
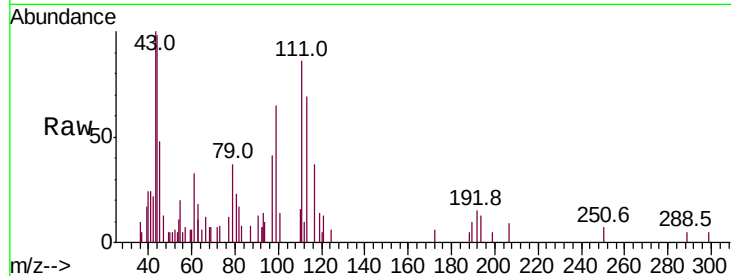
Tot Ion: 43 Resp: 10191

Ion Ratio Lower Upper

43 100

61 33.5 52.3 78.5#

70 0.0 6.4 9.6#



#38

Carbon Tetrachloride

Concen: 6.135 ug/l

RT: 3.96 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

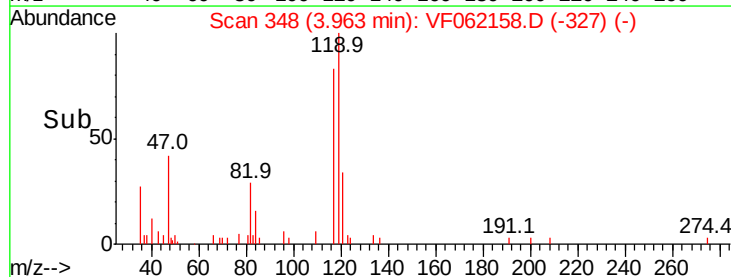
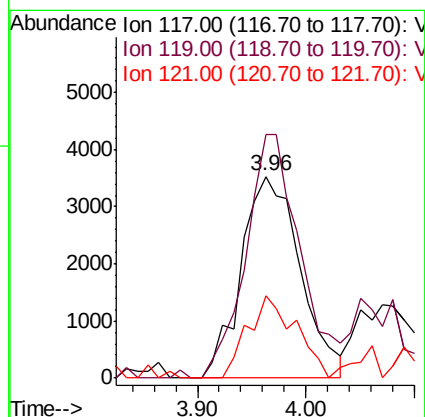
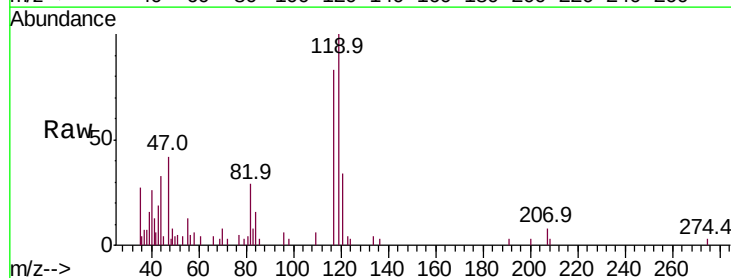
Tgt Ion: 117 Resp: 13462

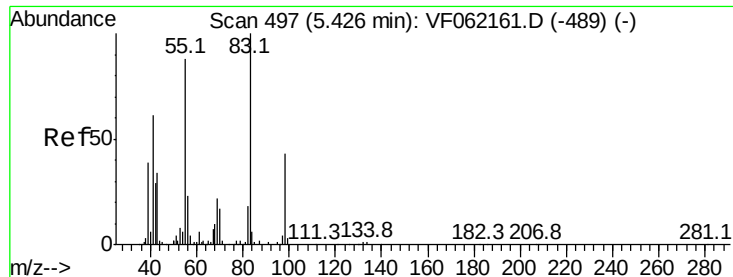
Ion Ratio Lower Upper

117 100

119 120.7 75.5 113.3#

121 40.8 24.6 37.0#

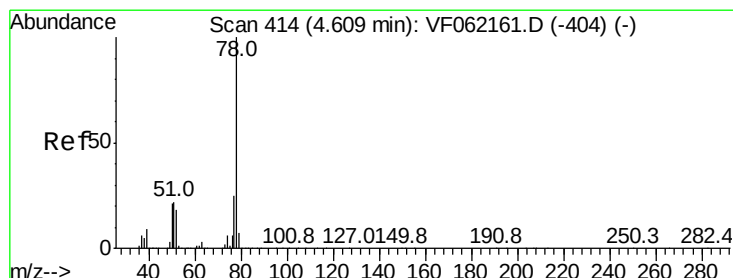
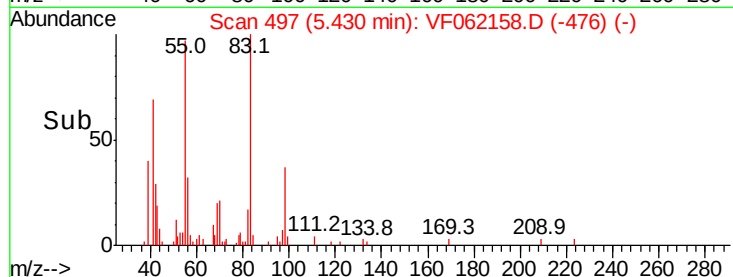
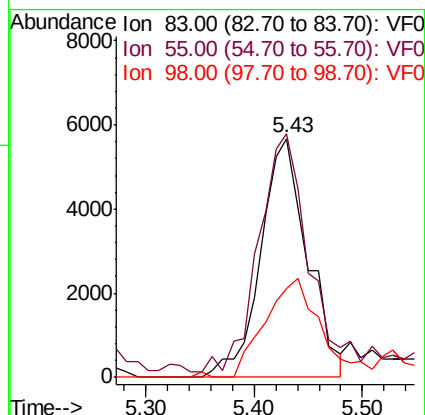
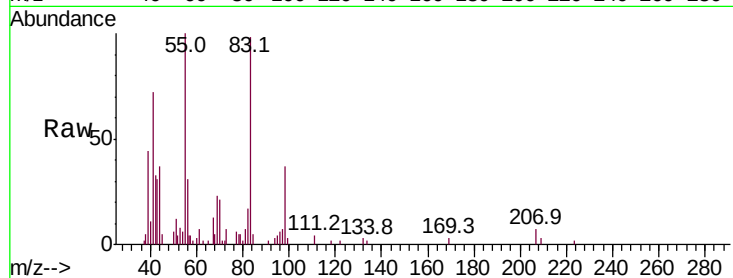




#39
Methylvlcyclohexane
Concen: 4.892 ug/l
RT: 5.43 min Scan# 497
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

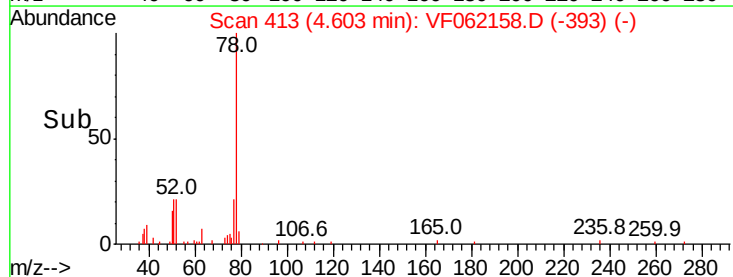
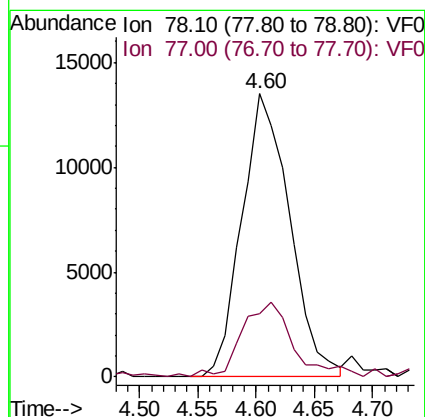
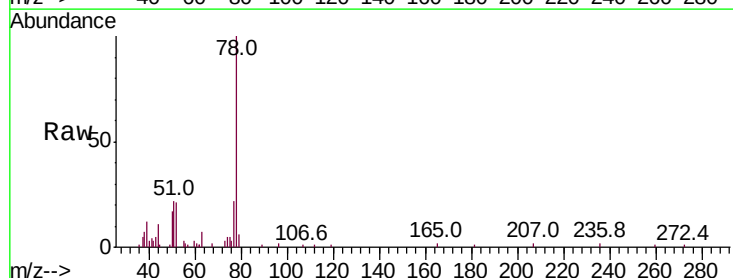
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

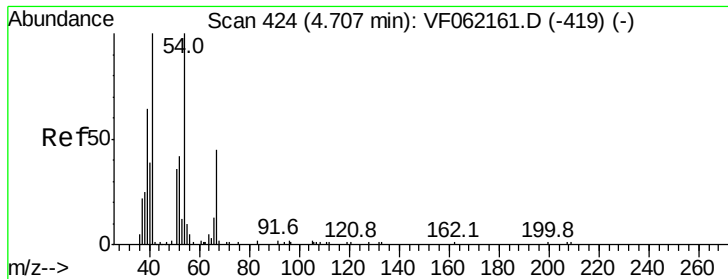
Tot Ion	83	Resp	17137
Ion Ratio	Lower	Upper	
83	100		
55	101.9	70.7	106.1
98	37.2	34.6	51.8



#40
Benzene
Concen: 4.724 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion	78	Resp	38546
Ion Ratio	Lower	Upper	
78	100		
77	22.4	19.9	29.9

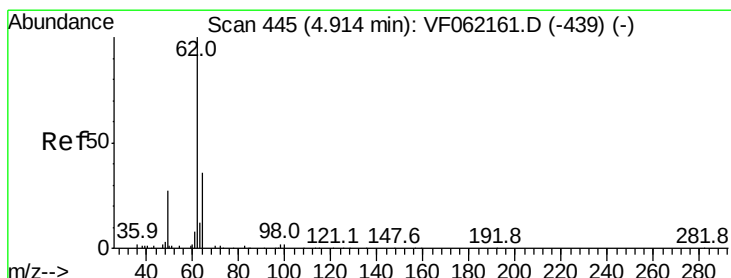
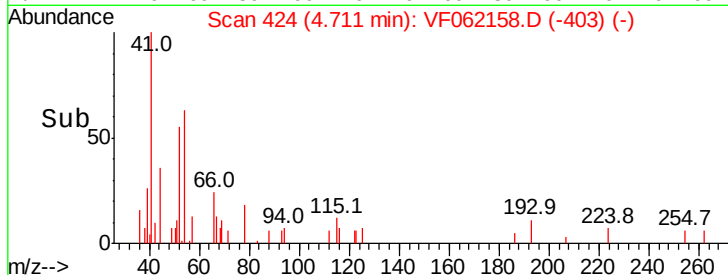
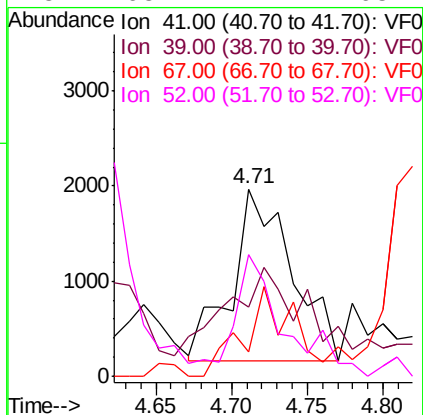
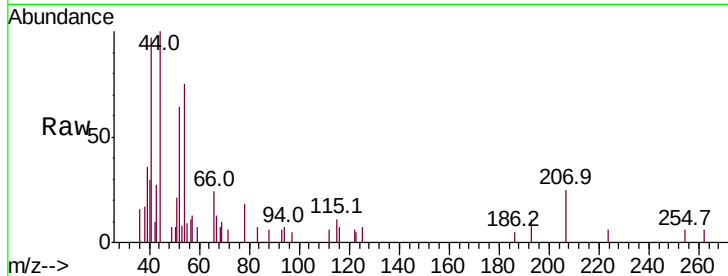




#41
Methacrylonitrile
Concen: 6.859 ug/l
RT: 4.71 min Scan# 424
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

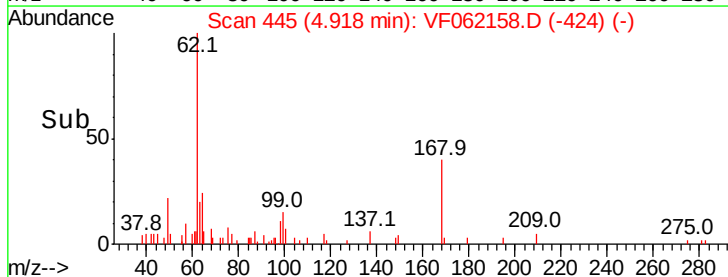
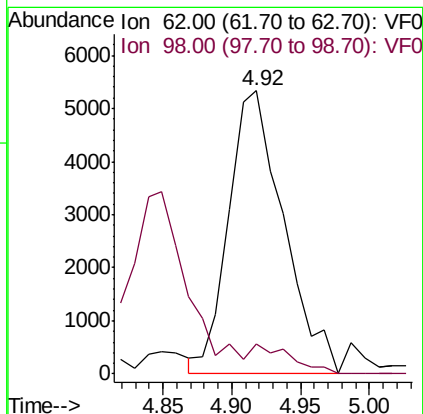
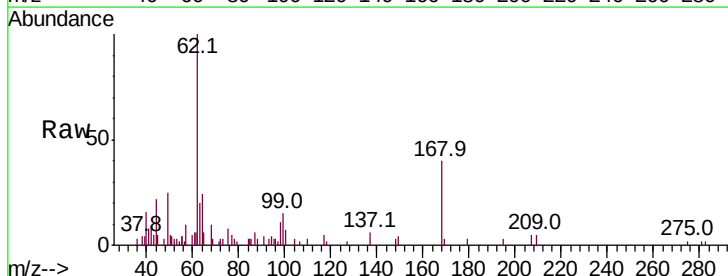
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

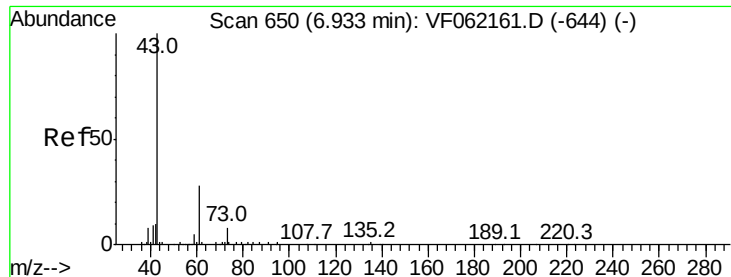
Tot Ion: 41 Resp: 4993
Ion Ratio Lower Upper
41 100
39 37.2 56.5 84.7#
67 13.3 35.7 53.5#
52 65.2 42.2 63.4#



#42
1,2-Dichloroethane
Concen: 7.085 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 62 Resp: 14813
Ion Ratio Lower Upper
62 100
98 10.7 0.0 14.2





#43

Isopropyl Acetate

Concen: 8.062 ug/l

RT: 6.94 min Scan# 650

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

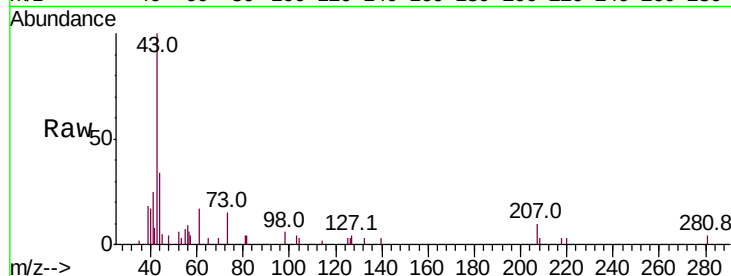
Tot Ion: 43 Resp: 13142

Ion Ratio Lower Upper

43 100

61 17.4 22.5 33.7#

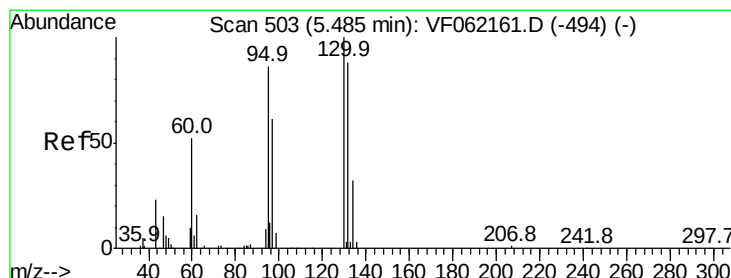
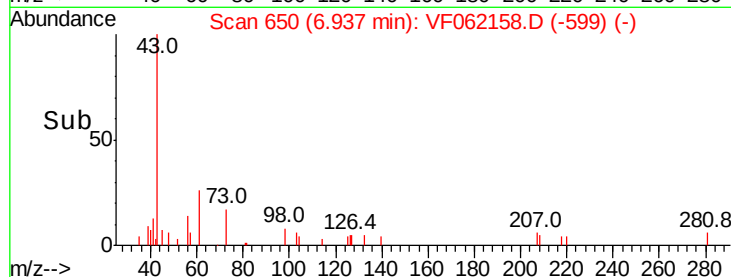
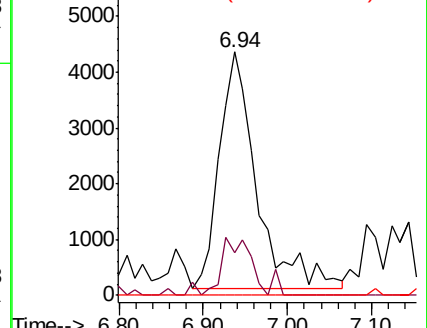
87 0.0 0.5 0.7#



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: 5.524 ug/l

RT: 5.48 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF062158.D

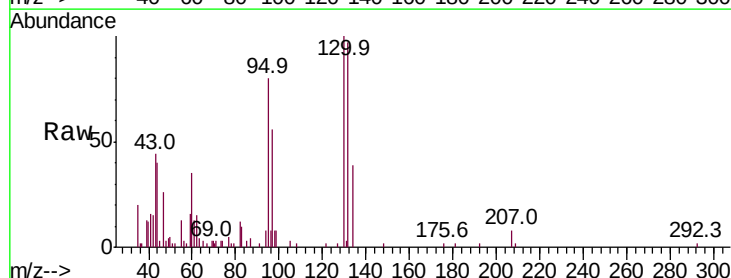
Acq: 4 Apr 2019 15:39

Tgt Ion:130 Resp: 13819

Ion Ratio Lower Upper

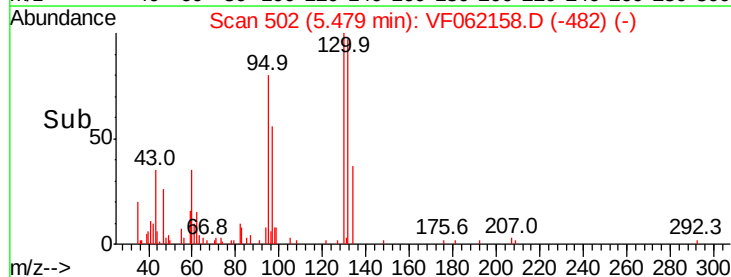
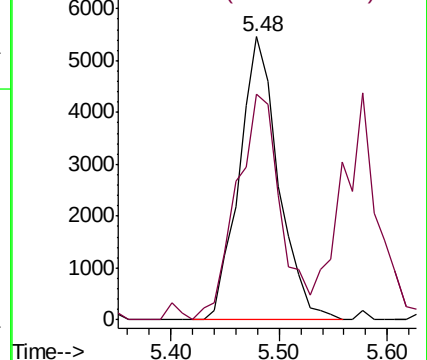
130 100

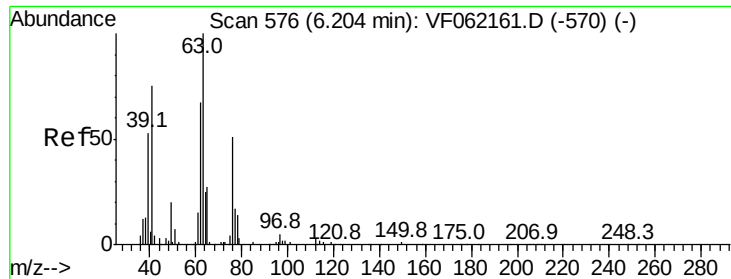
95 79.6 0.0 172.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 4.851 ug/l

RT: 6.22 min Scan# 577

Delta R.T. 0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

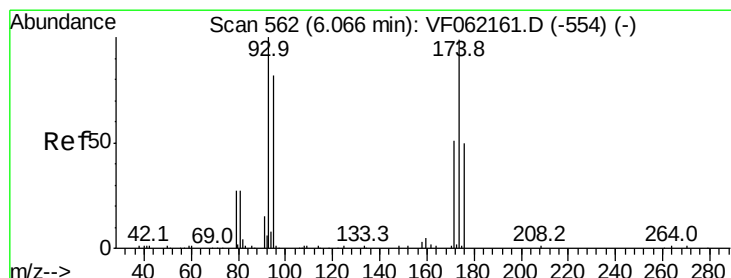
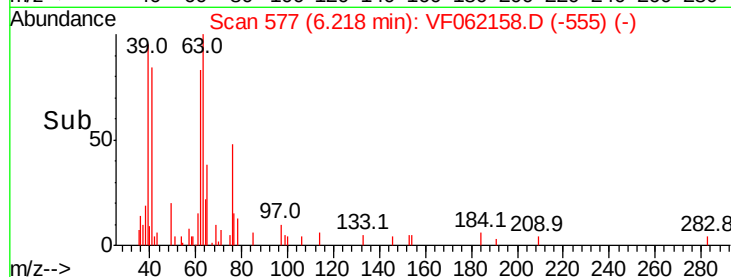
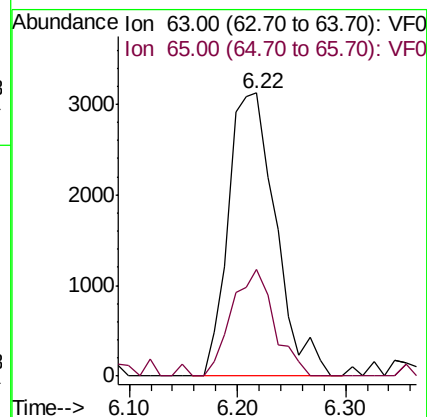
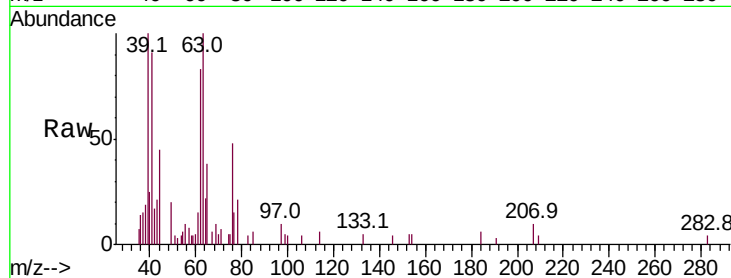
VSTDIC005

Tot Ion: 63 Resp: 9513

Ion Ratio Lower Upper

63 100

65 37.7 21.8 32.6#



#46

Dibromomethane

Concen: 5.006 ug/l

RT: 6.07 min Scan# 562

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

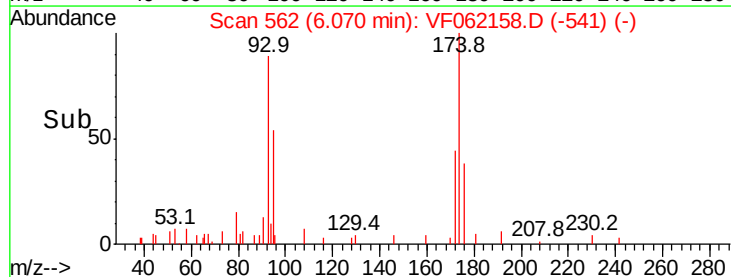
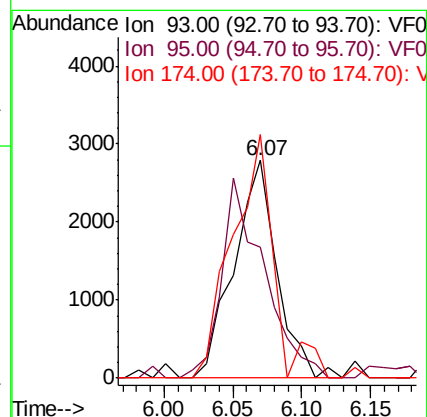
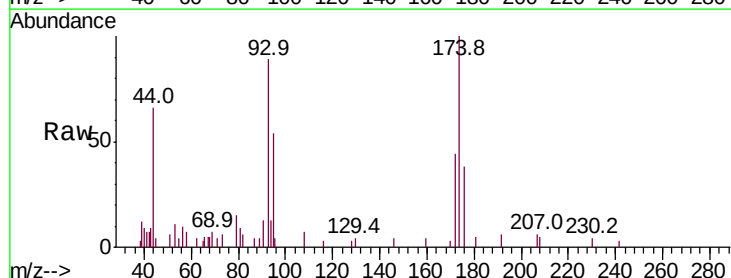
Tgt Ion: 93 Resp: 6075

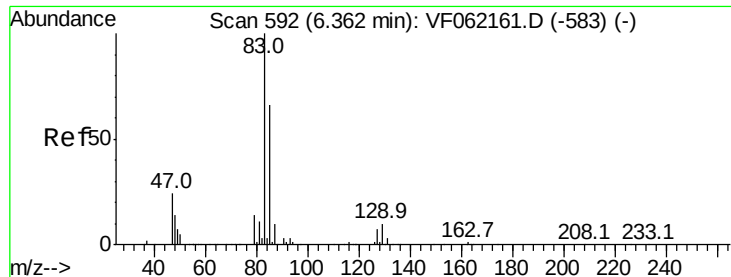
Ion Ratio Lower Upper

93 100

95 64.3 66.5 99.7#

174 111.8 79.2 118.8





#47

Bromodichloromethane

Concen: 6.202 ug/l

RT: 6.36 min Scan# 591

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

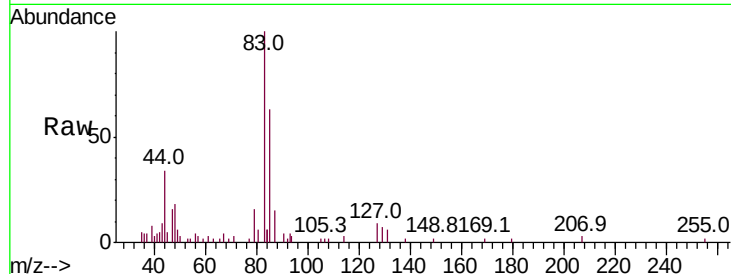
Tot Ion: 83 Resp: 17211

Ion Ratio Lower Upper

83 100

85 63.5 52.9 79.3

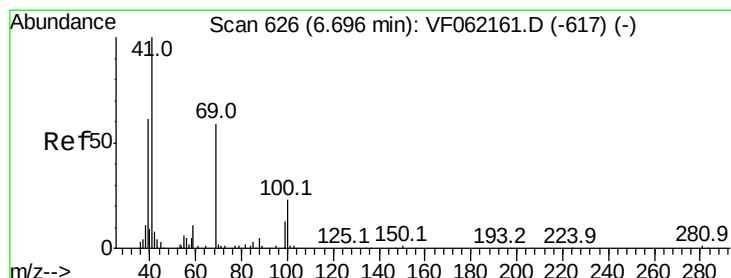
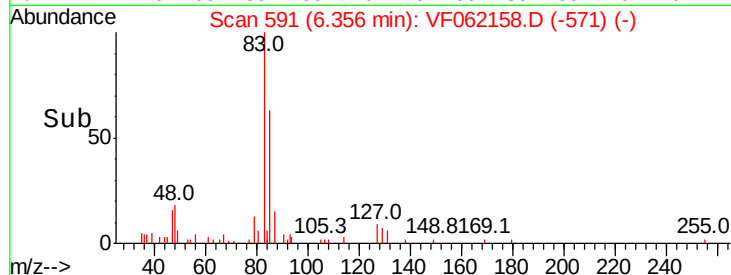
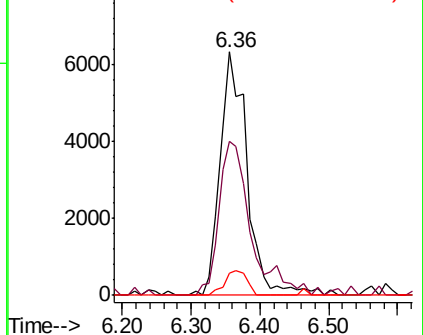
127 9.1 5.9 8.9#



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): VF0



#48

Methyl methacrylate

Concen: 7.369 ug/l

RT: 6.69 min Scan# 625

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

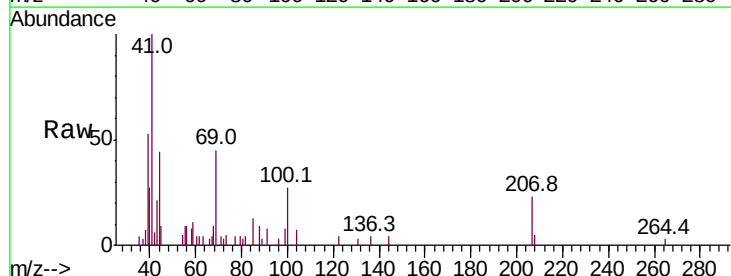
Tgt Ion: 41 Resp: 7233

Ion Ratio Lower Upper

41 100

69 45.2 46.7 70.1#

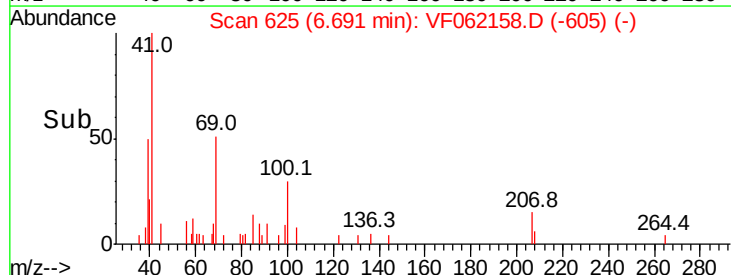
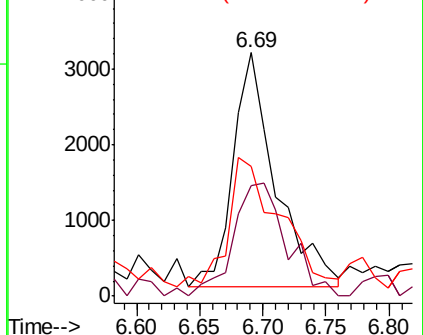
39 53.0 51.4 77.0

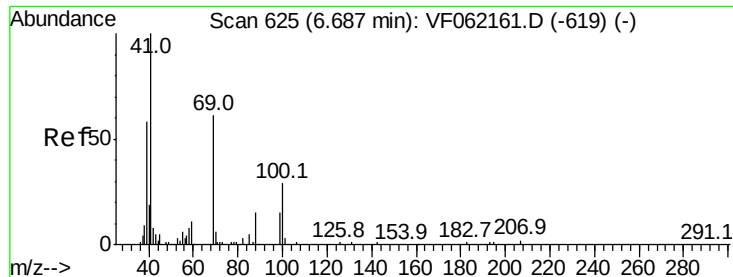


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

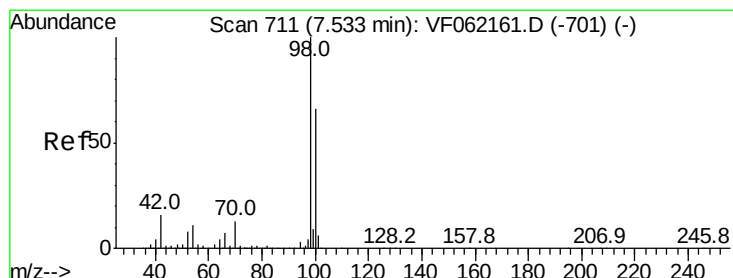
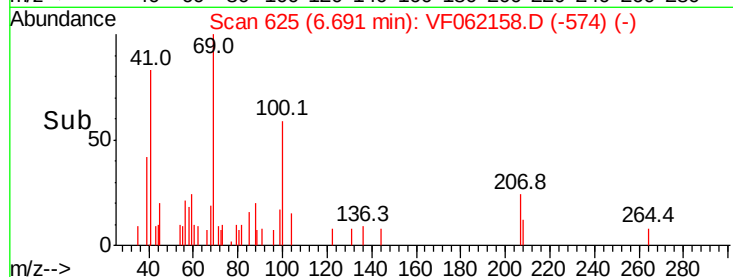
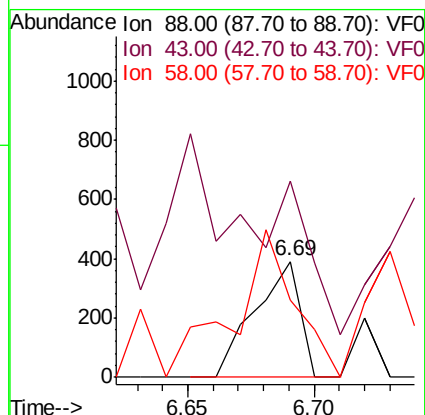
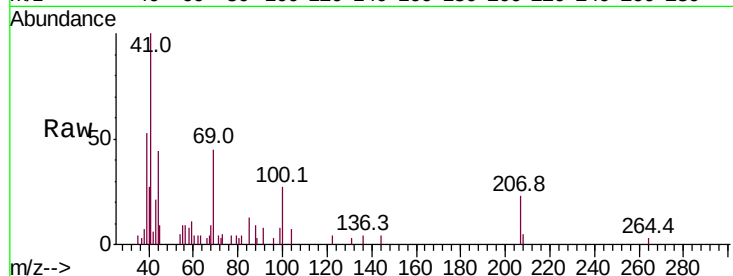




#49
1,4-Dioxane
Concen: 61.690 ug/l
RT: 6.69 min Scan# 625
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

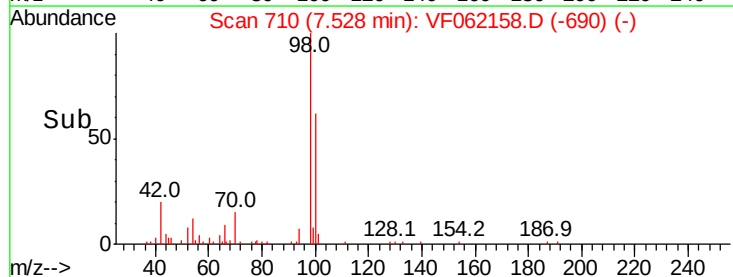
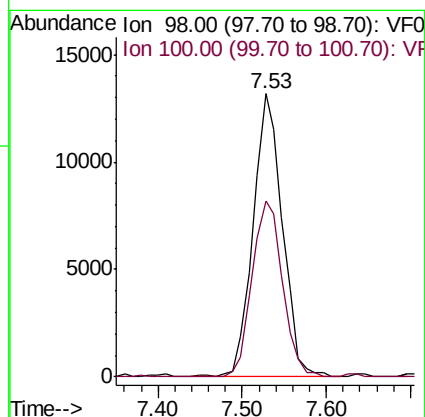
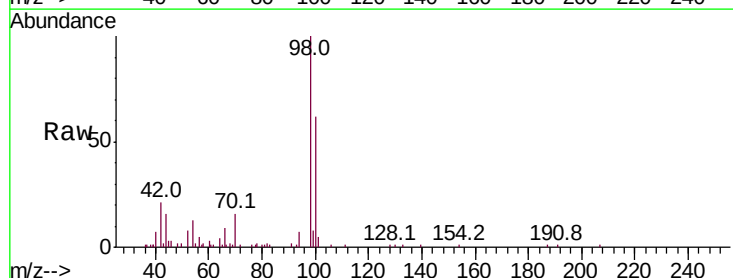
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

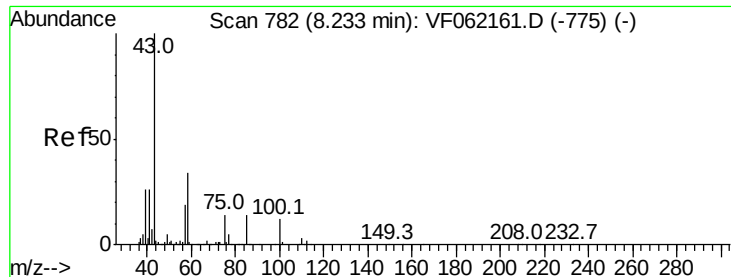
Tot Ion: 88 Resp: 490
Ion Ratio Lower Upper
88 100
43 169.8 51.0 76.6#
58 67.0 41.3 61.9#



#50
Toluene-d8
Concen: 4.859 ug/l
RT: 7.53 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 98 Resp: 32137
Ion Ratio Lower Upper
98 100
100 62.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 29.059 ug/l

RT: 8.24 min Scan# 782

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

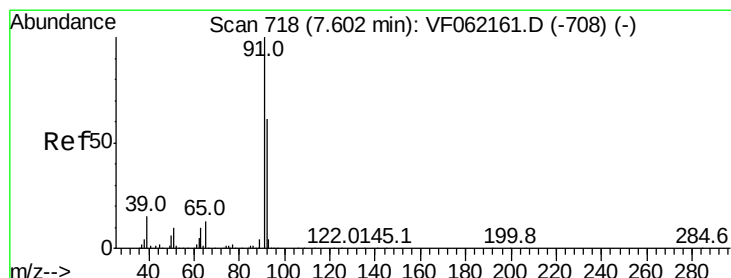
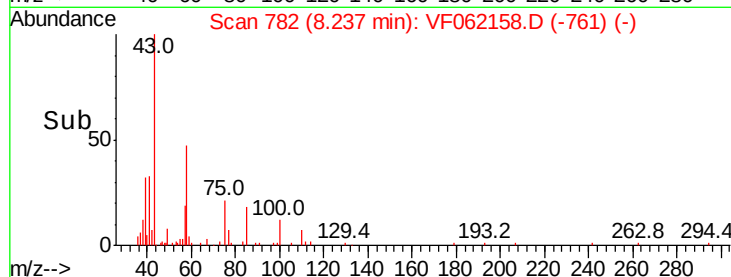
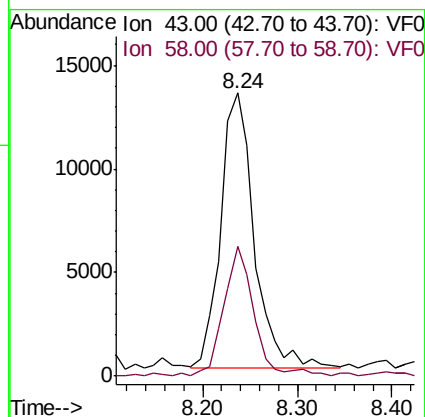
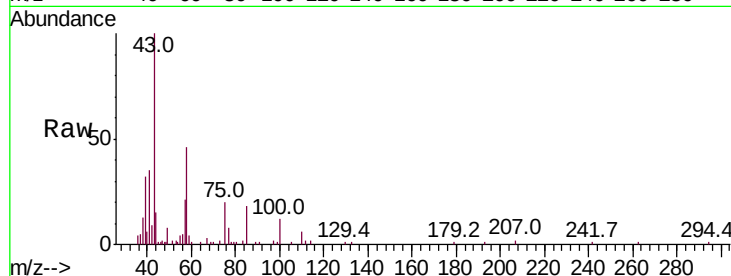
VSTDIC005

Tot Ion: 43 Resp: 32452

Ion Ratio Lower Upper

43 100

58 45.6 27.0 40.4#



#52

Toluene

Concen: 5.131 ug/l

RT: 7.61 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF062158.D

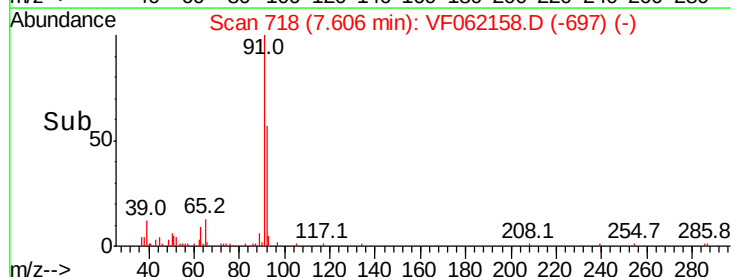
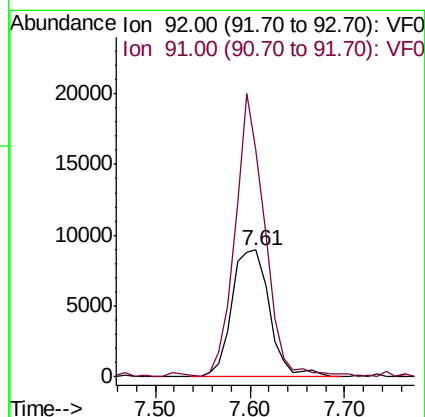
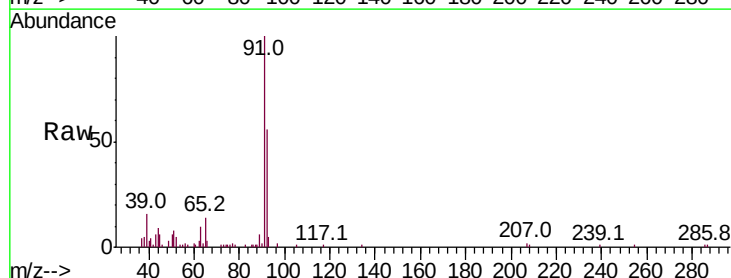
Acq: 4 Apr 2019 15:39

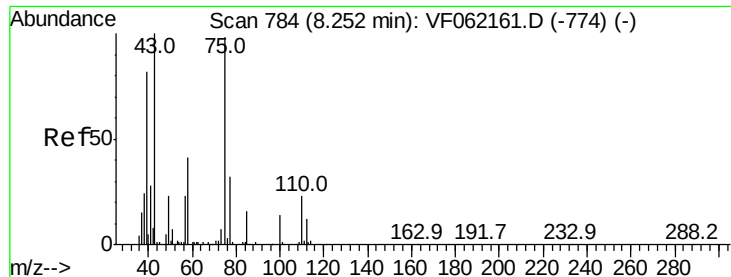
Tgt Ion: 92 Resp: 24690

Ion Ratio Lower Upper

92 100

91 178.1 130.8 196.2





#53

t-1,3-Dichloropropene

Concen: 5.394 ug/l

RT: 8.25 min Scan# 783

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

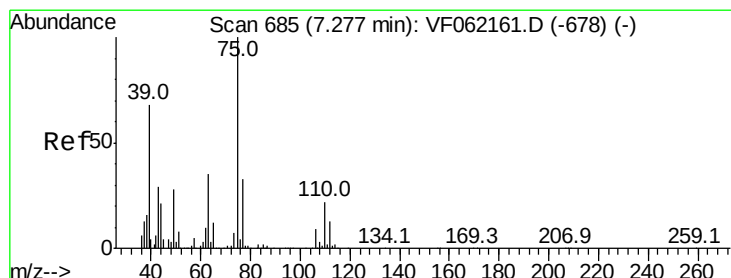
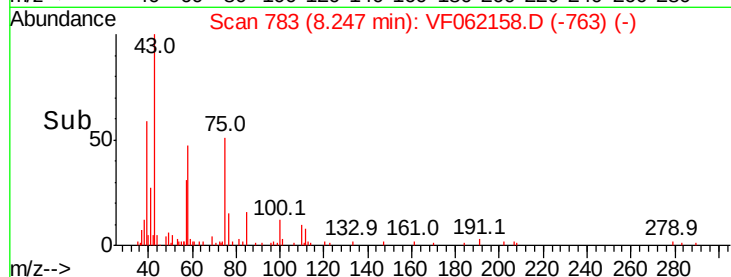
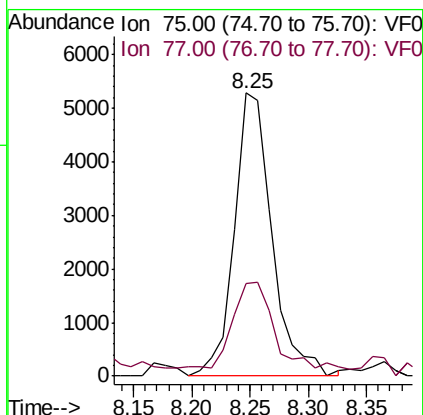
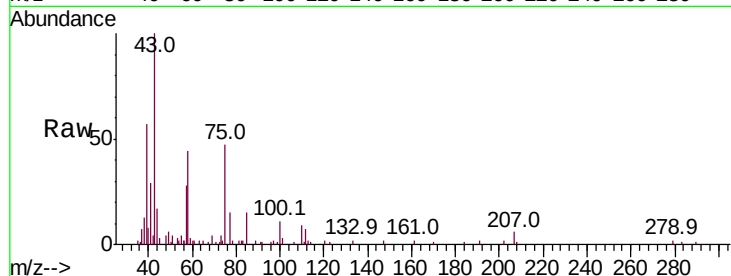
VSTDIC005

Tot Ion: 75 Resp: 11850

Ion Ratio Lower Upper

75 100

77 32.7 26.6 39.8



#54

cis-1,3-Dichloropropene

Concen: 5.936 ug/l

RT: 7.27 min Scan# 684

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

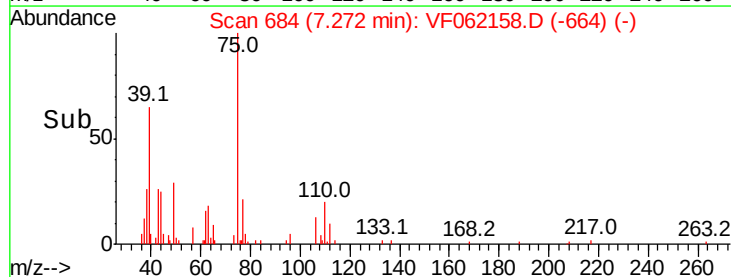
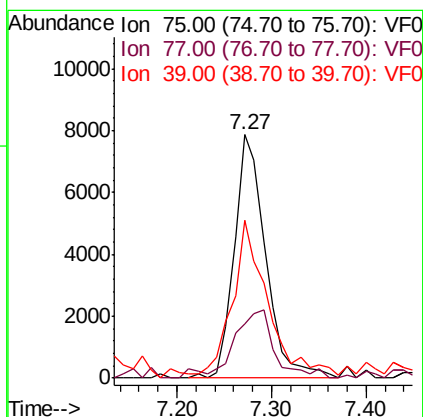
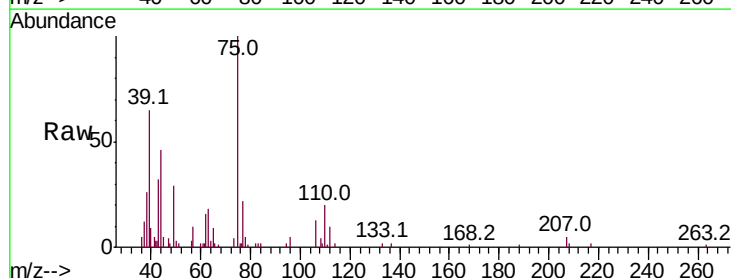
Tgt Ion: 75 Resp: 18046

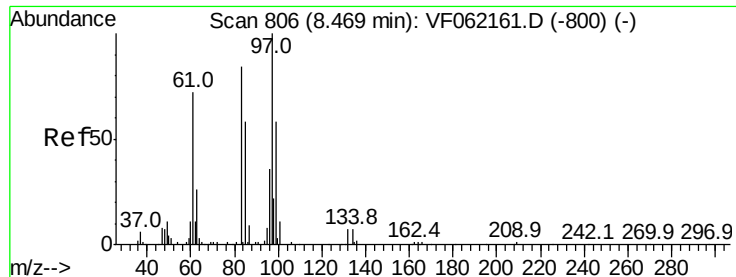
Ion Ratio Lower Upper

75 100

77 22.3 26.7 40.1#

39 64.8 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 5.324 ug/l

RT: 8.46 min Scan# 805

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 7194

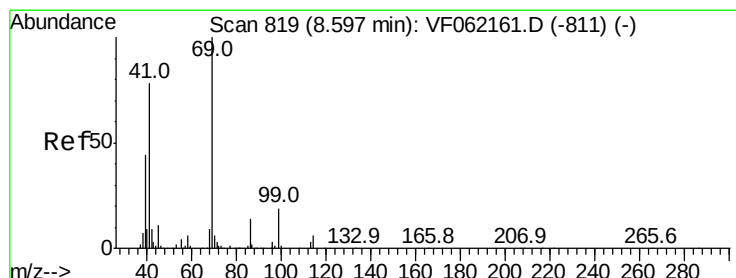
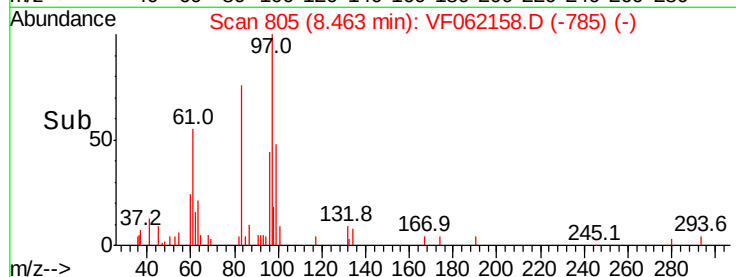
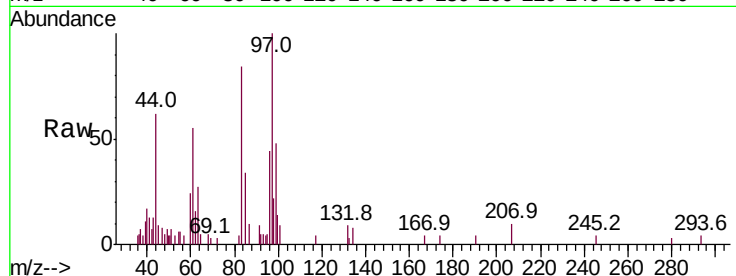
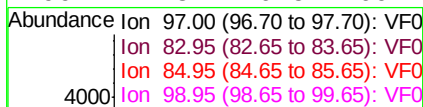
Ion Ratio Lower Upper

97 100

83 84.3 67.4 101.0

85 34.4 46.6 70.0#

99 47.8 46.5 69.7



#56

Ethyl methacrylate

Concen: 7.519 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

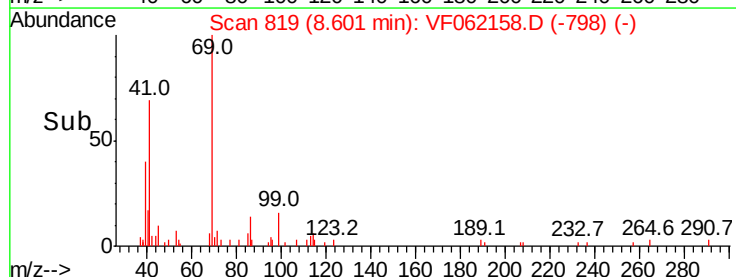
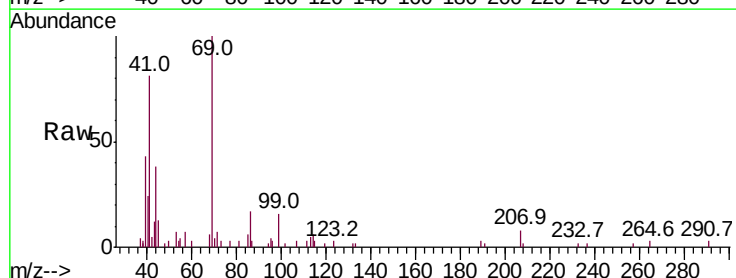
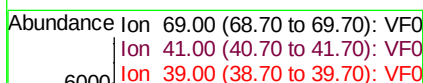
Tgt Ion: 69 Resp: 12361

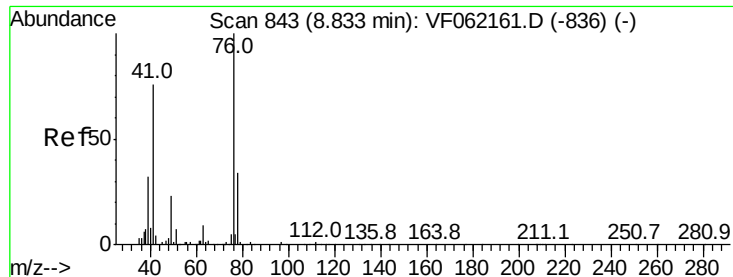
Ion Ratio Lower Upper

69 100

41 80.8 63.0 94.4

39 43.5 36.1 54.1





#57

1,3-Dichloropropane

Concen: 4.918 ug/l

RT: 8.83 min Scan# 842

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

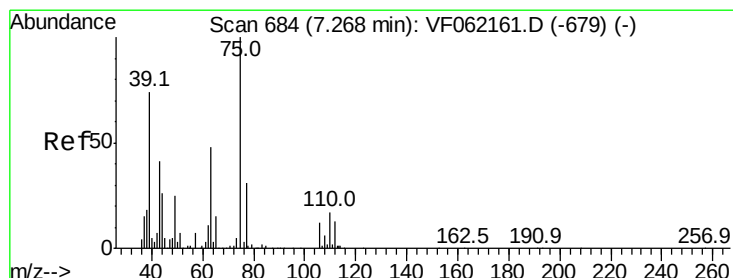
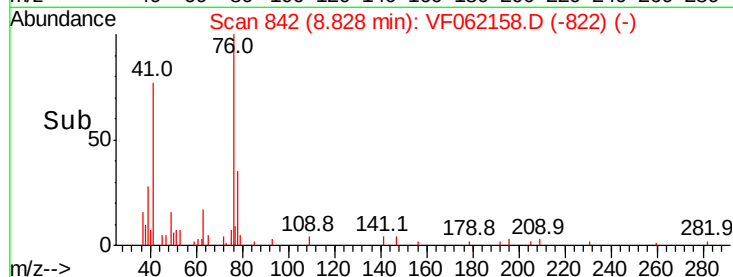
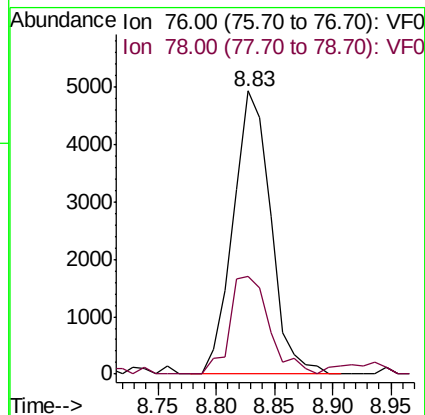
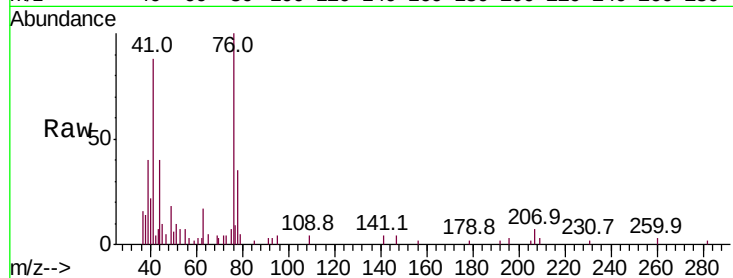
VSTDIC005

Tot Ion: 76 Resp: 11023

Ion Ratio Lower Upper

76 100

78 34.7 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 22.742 ug/l

RT: 7.26 min Scan# 683

Delta R.T. -0.01 min

Lab File: VF062158.D

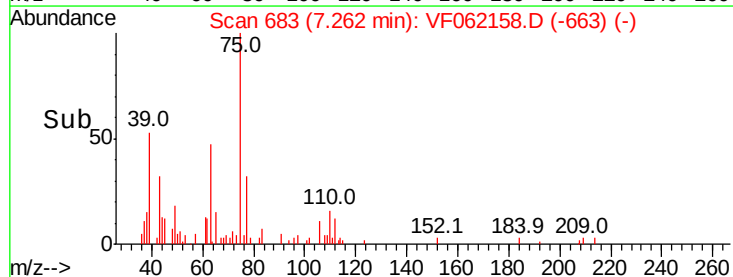
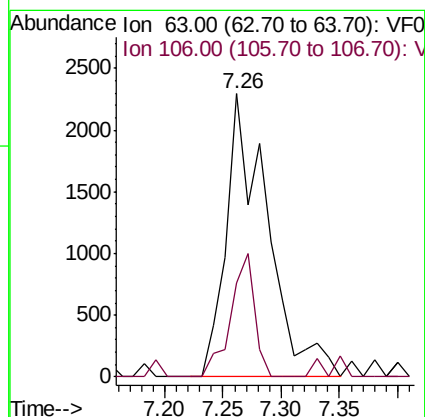
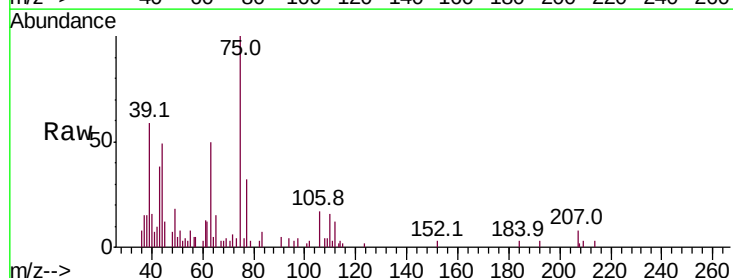
Acq: 4 Apr 2019 15:39

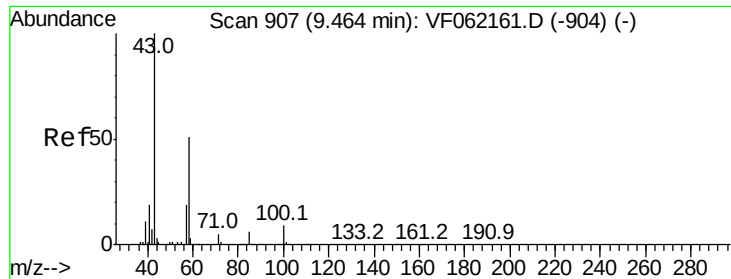
Tgt Ion: 63 Resp: 5614

Ion Ratio Lower Upper

63 100

106 33.0 20.6 31.0#

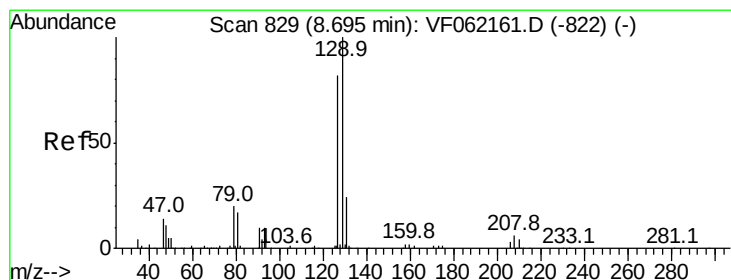
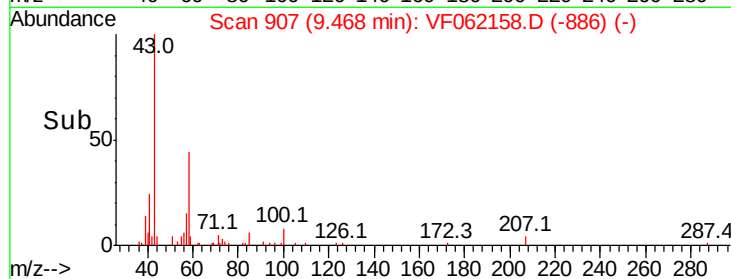
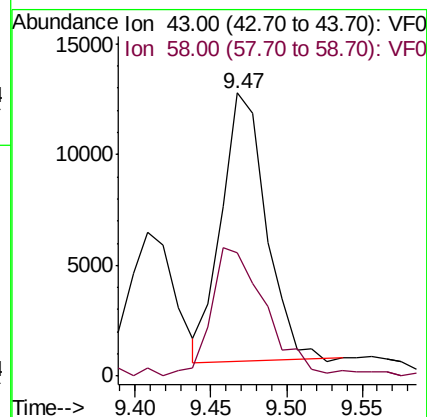
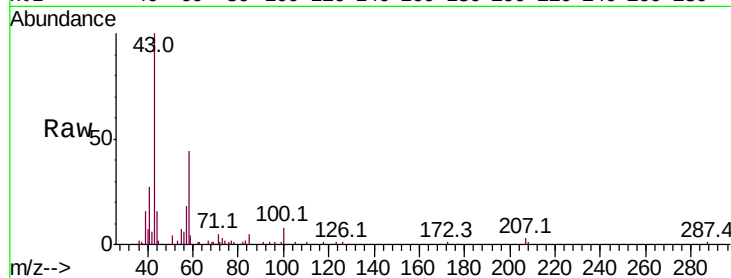




#59
2-Hexanone
Concen: 30.487 ug/l
RT: 9.47 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

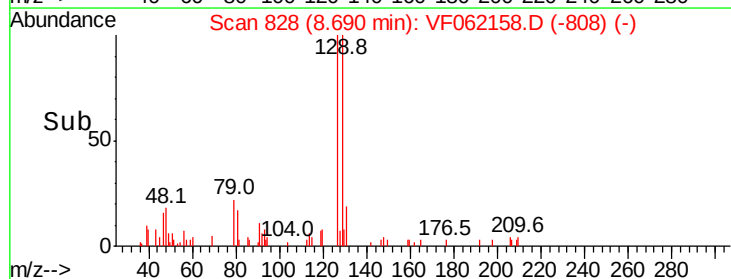
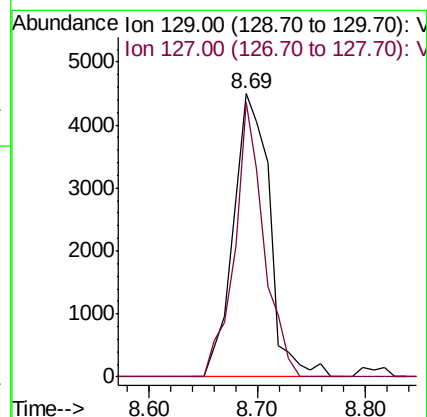
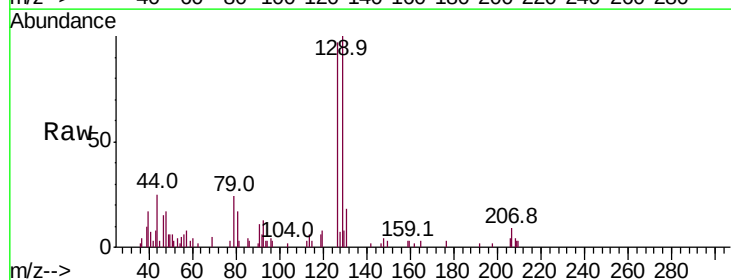
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

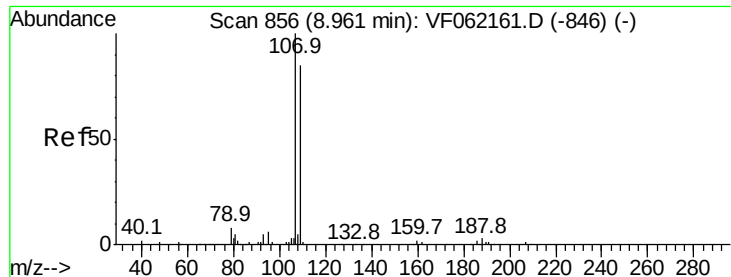
Tot Ion: 43 Resp: 24784
Ion Ratio Lower Upper
43 100
58 43.6 23.3 69.9



#60
Dibromochloromethane
Concen: 5.461 ug/l
RT: 8.69 min Scan# 828
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 129 Resp: 10395
Ion Ratio Lower Upper
129 100
127 90.1 40.9 122.7





#61

1,2-Dibromoethane

Concen: 5.397 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

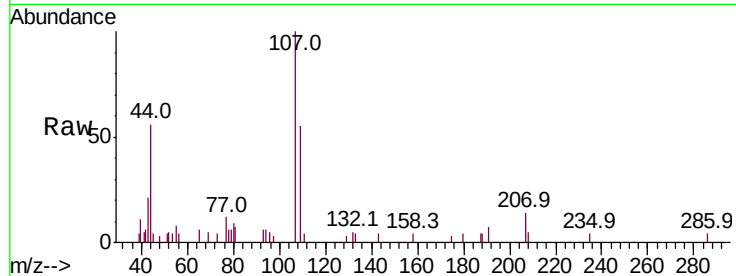
VSTDIC005

Tot Ion:107 Resp: 7772

Ion Ratio Lower Upper

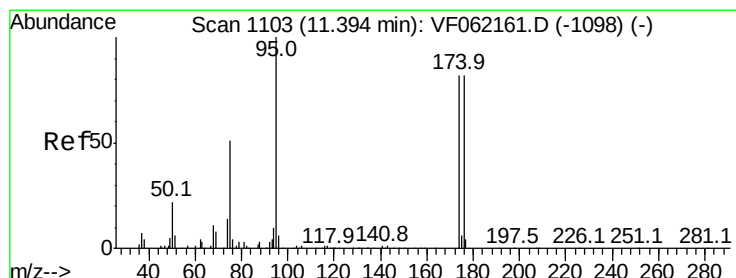
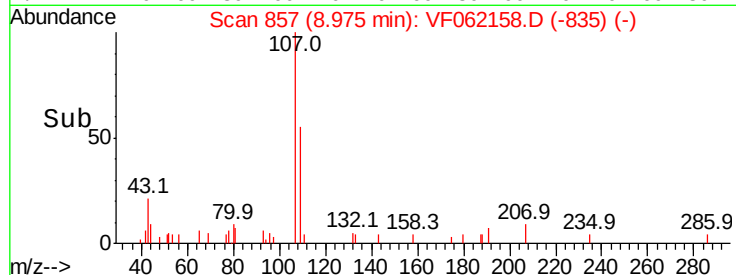
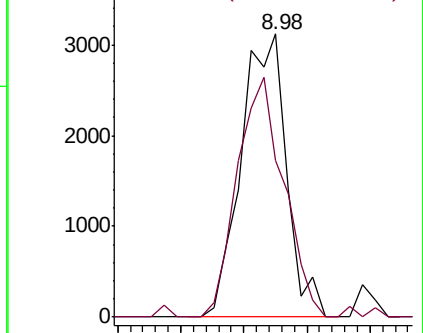
107 100

109 55.3 68.4 102.6#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.956 ug/l

RT: 11.39 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

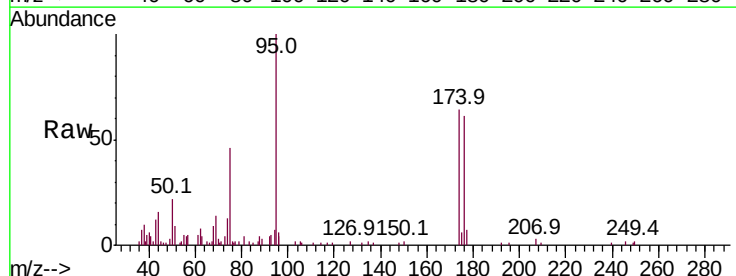
Tgt Ion: 95 Resp: 15340

Ion Ratio Lower Upper

95 100

174 63.8 0.0 164.8

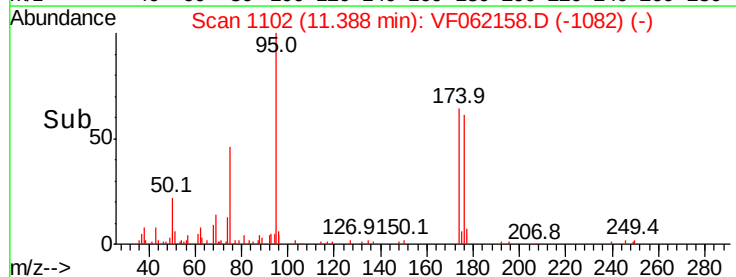
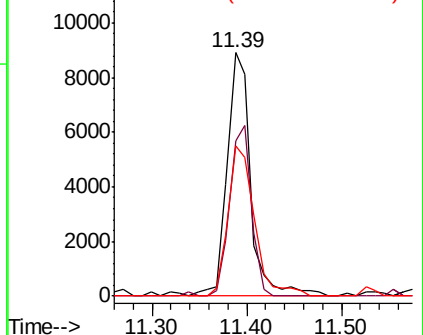
176 61.5 0.0 164.6

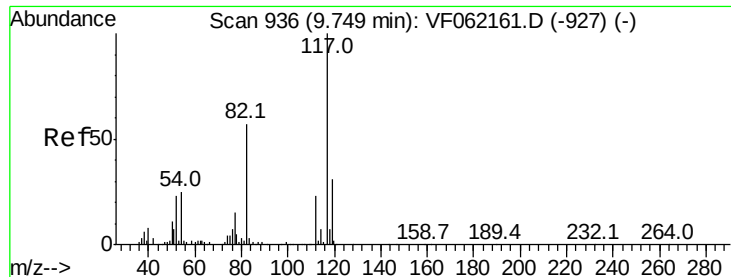


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

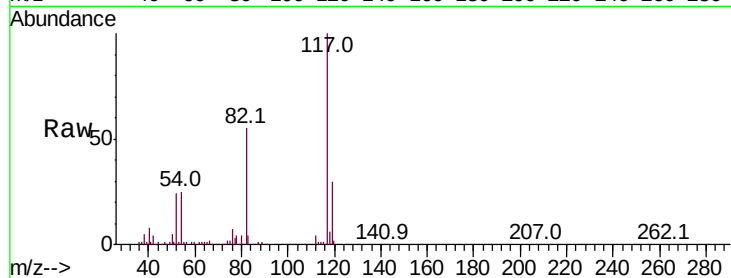




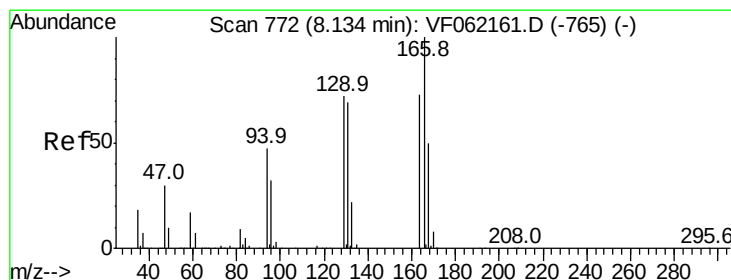
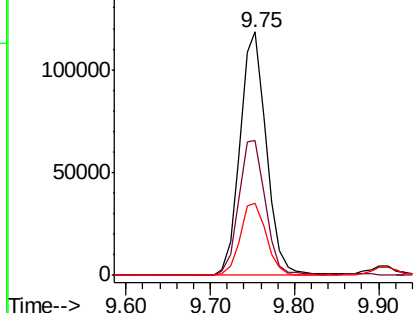
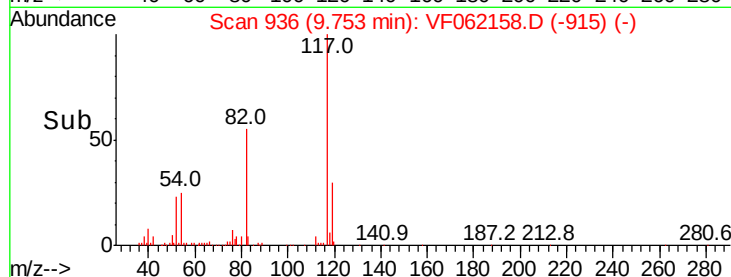
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 258939
Ion Ratio Lower Upper
117 100
82 55.4 45.5 68.3
119 29.8 24.9 37.3

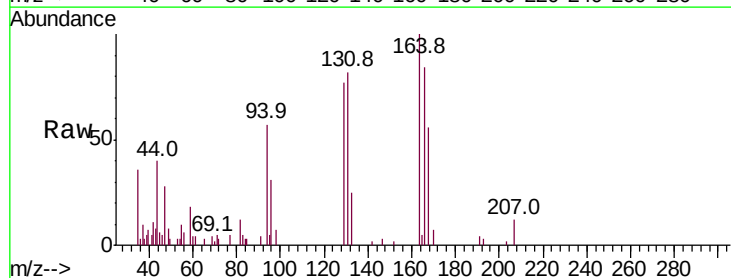


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

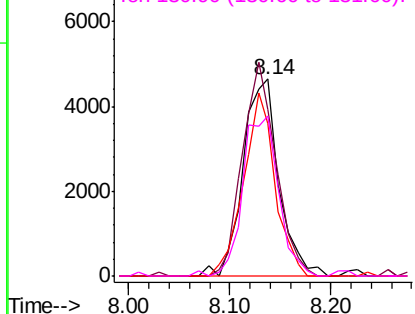
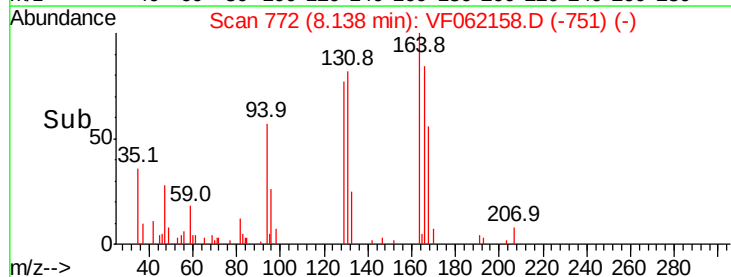


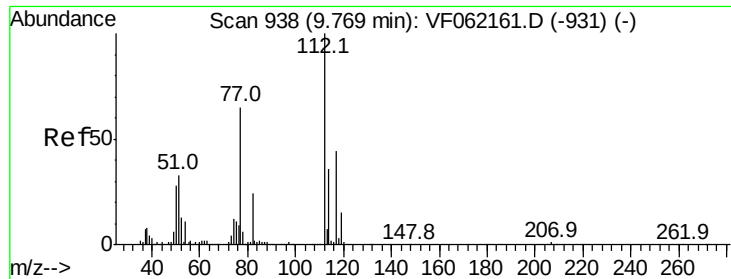
#64
Tetrachloroethene
Concen: 5.756 ug/l
RT: 8.14 min Scan# 772
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion:164 Resp: 11480
Ion Ratio Lower Upper
164 100
166 84.3 110.2 165.2#
129 77.1 79.0 118.6#
131 81.5 75.5 113.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 5.504 ug/l

RT: 9.77 min Scan# 938

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

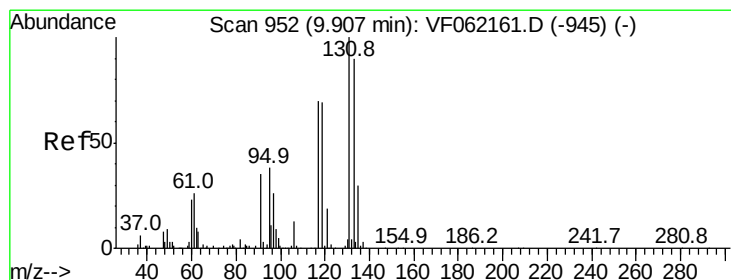
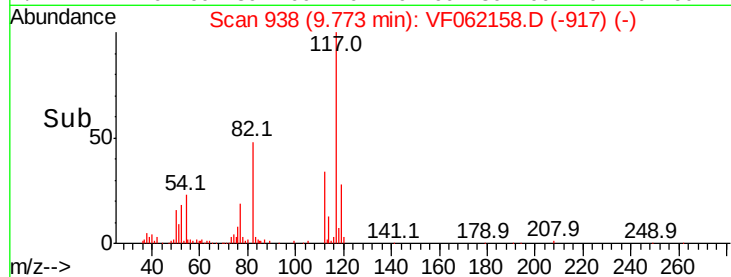
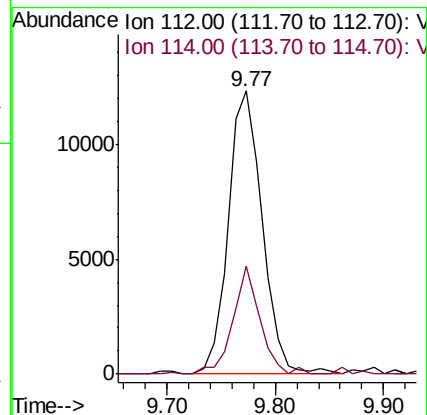
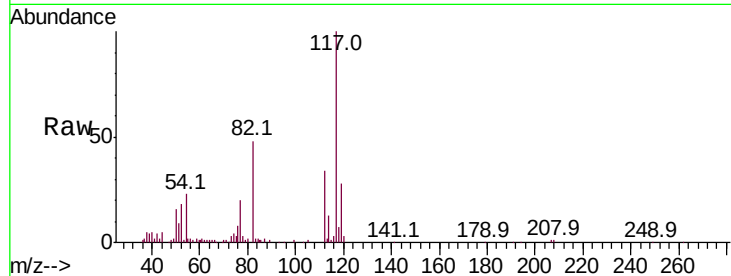
VSTDIC005

Tot Ion:112 Resp: 26906

Ion Ratio Lower Upper

112 100

114 40.6 28.6 43.0



#66

1,1,1,2-Tetrachloroethane

Concen: 5.982 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

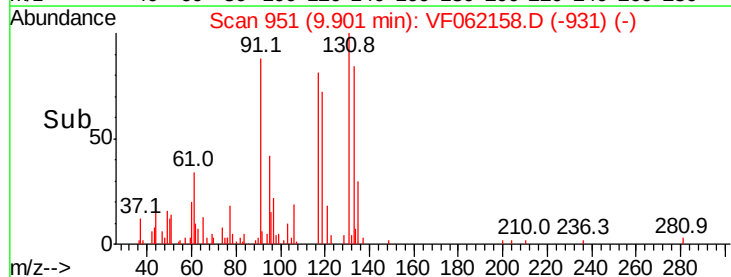
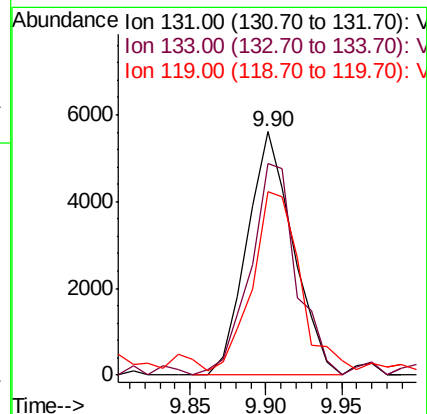
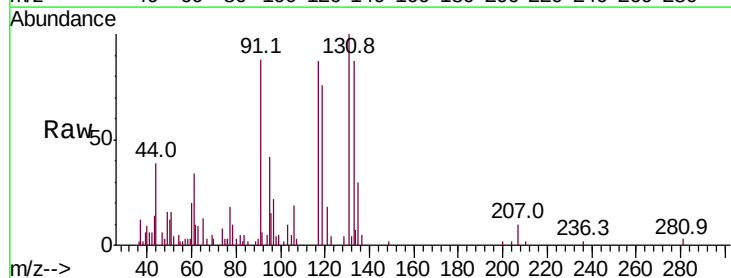
Tgt Ion:131 Resp: 11935

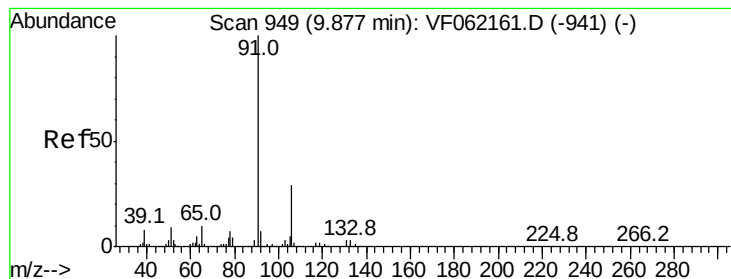
Ion Ratio Lower Upper

131 100

133 87.1 45.1 135.3

119 75.6 34.9 104.7





#67

Ethyl Benzene

Concen: 5.641 ug/l

RT: 9.88 min Scan# 949

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

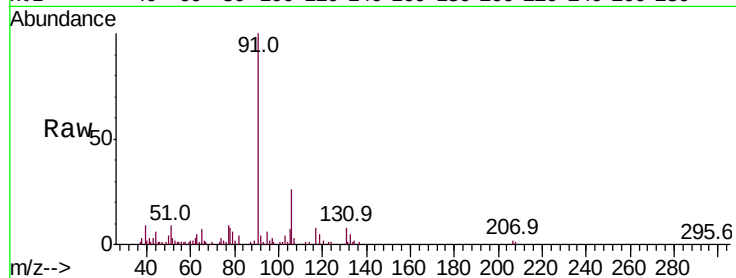
VSTDIC005

Tot Ion: 91 Resp: 49055

Ion Ratio Lower Upper

91 100

106 26.2 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

25000

20000

15000

10000

5000

0

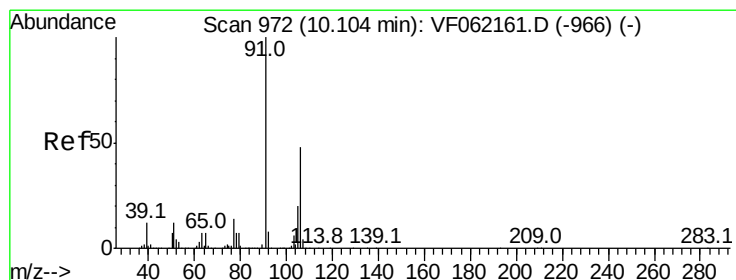
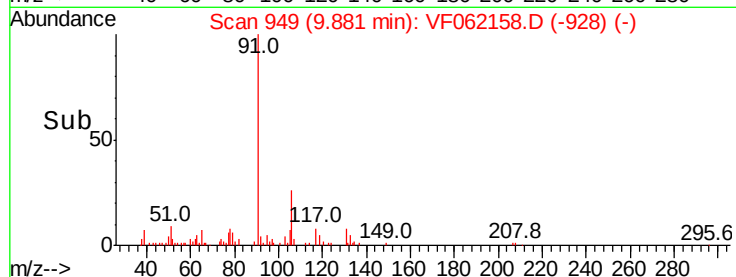
9.80

9.88

9.90

10.00

Time-->



#68

m/p-Xylenes

Concen: 11.460 ug/l

RT: 10.11 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062158.D

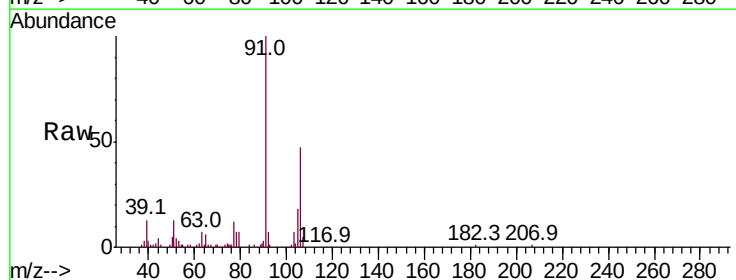
Acq: 4 Apr 2019 15:39

Tgt Ion:106 Resp: 37086

Ion Ratio Lower Upper

106 100

91 210.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

40000

30000

20000

10000

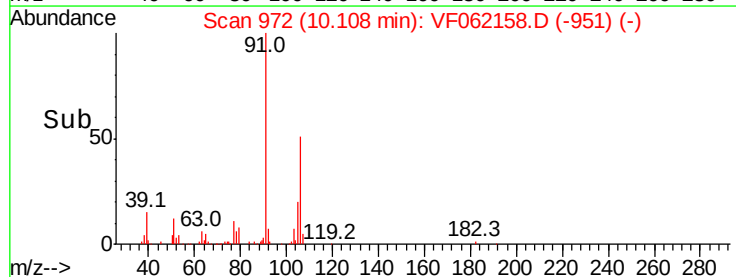
0

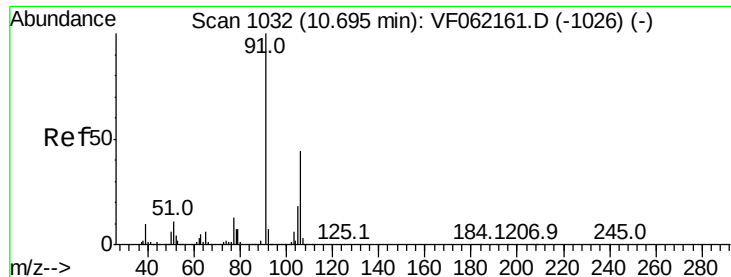
10.00

10.11

10.20

Time-->

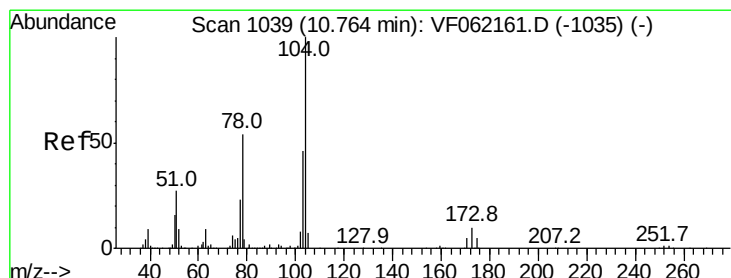
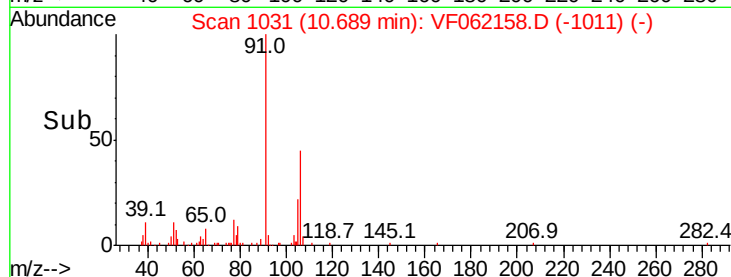
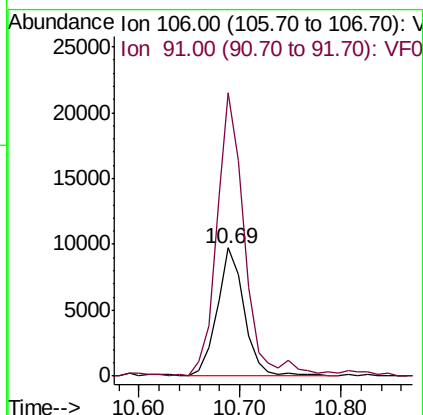
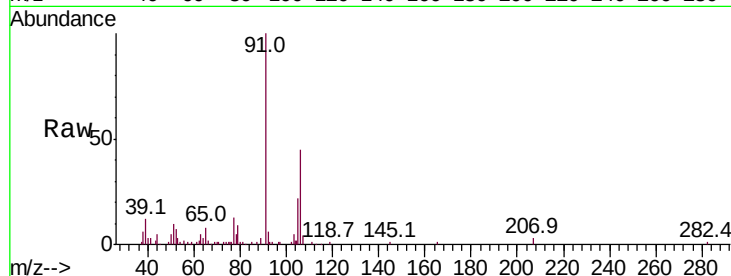




#69
o-Xylene
Concen: 5.515 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

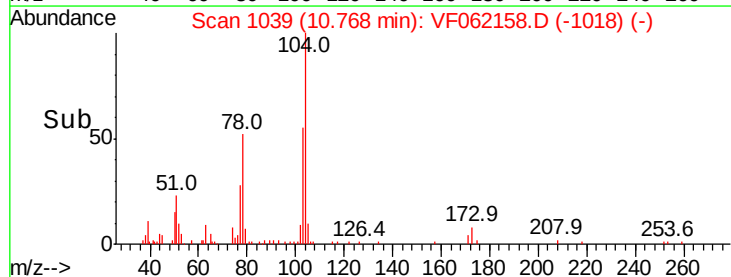
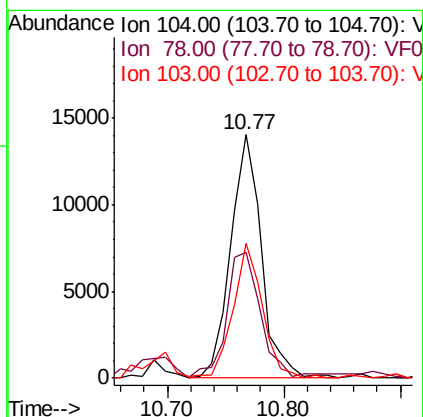
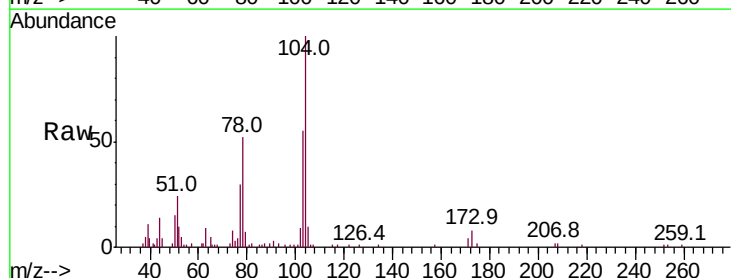
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

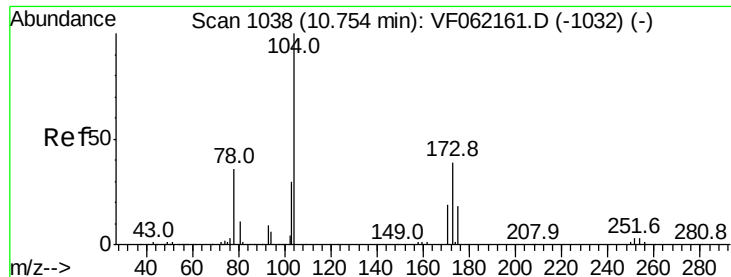
Tot Ion:106 Resp: 18280
Ion Ratio Lower Upper
106 100
91 221.1 113.3 340.1



#70
Styrene
Concen: 5.017 ug/l
RT: 10.77 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion:104 Resp: 25676
Ion Ratio Lower Upper
104 100
78 51.6 43.1 64.7
103 55.4 37.0 55.6





#71

Bromoform

Concen: 5.402 ug/l

RT: 10.75 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

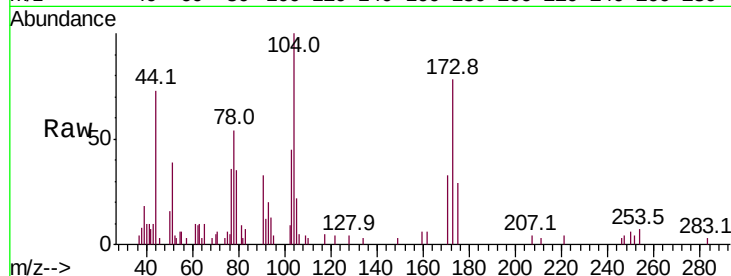
Tot Ion:173 Resp: 5534

Ion Ratio Lower Upper

173 100

175 37.4 22.9 68.7

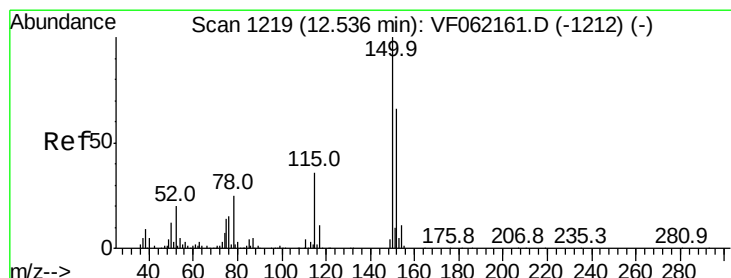
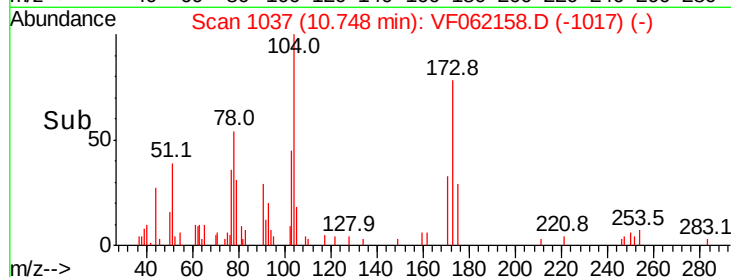
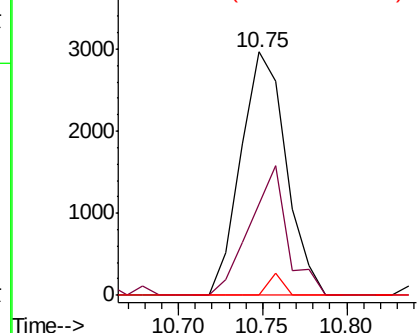
254 0.0 6.7 10.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

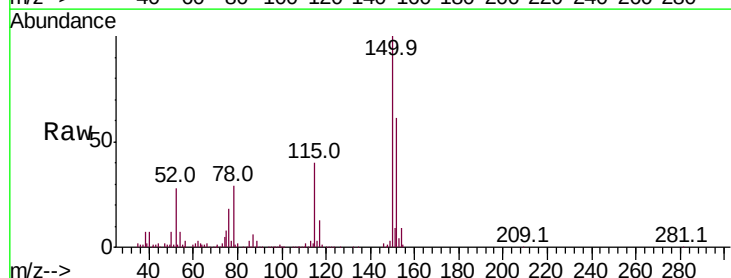
Tgt Ion:152 Resp: 130259

Ion Ratio Lower Upper

152 100

115 65.7 28.3 84.9

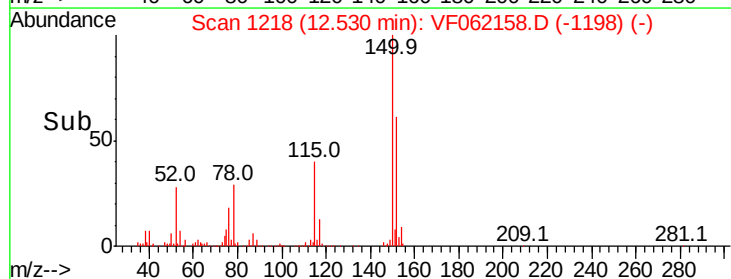
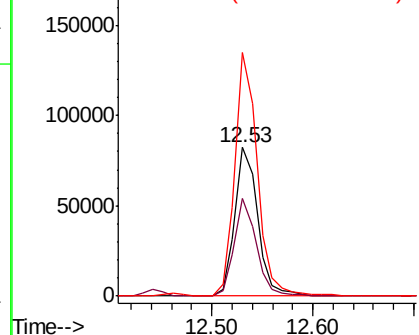
150 163.6 0.0 322.6

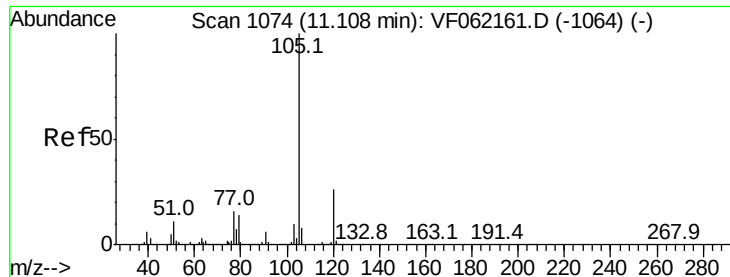


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 6.228 ug/l

RT: 11.10 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

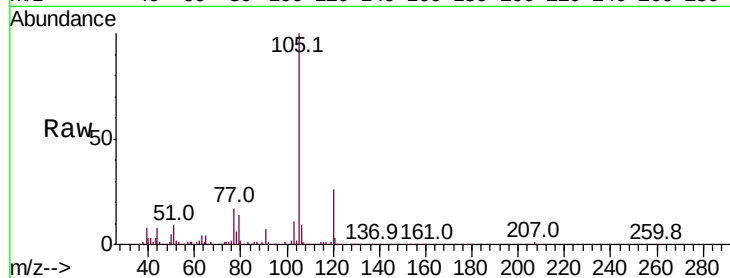
VSTDIC005

Tot Ion:105 Resp: 58000

Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.10

40000

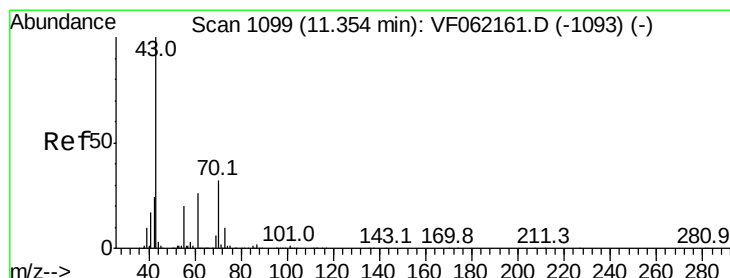
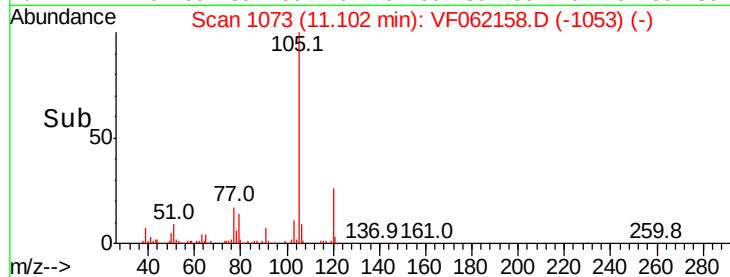
30000

20000

10000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 6.753 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Tgt Ion: 43 Resp: 15258

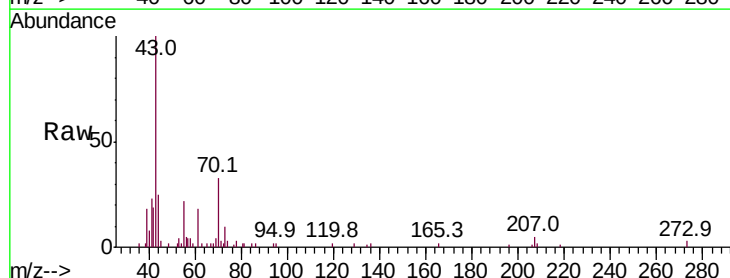
Ion Ratio Lower Upper

43 100

70 33.3 25.9 38.9

55 21.5 16.3 24.5

61 17.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.35

12000

10000

8000

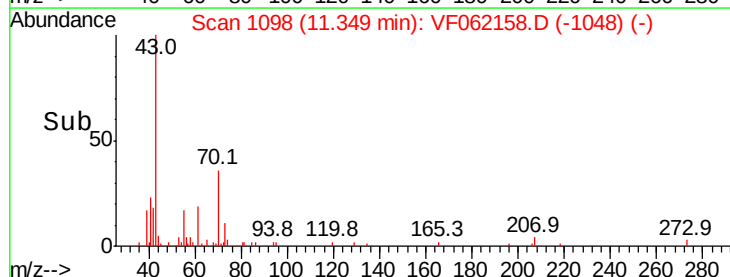
6000

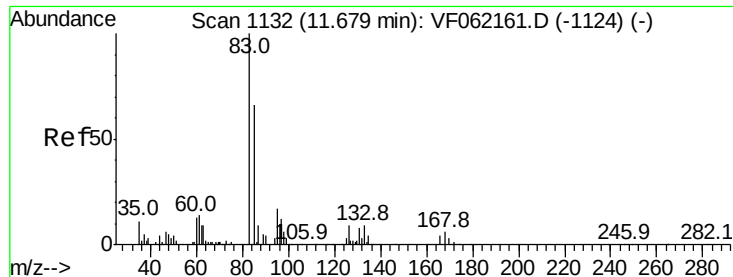
4000

2000

0

Time--> 11.30 11.35 11.40 11.45





#75

1,1,2,2-Tetrachloroethane

Concen: 5.042 ug/l

RT: 11.67 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

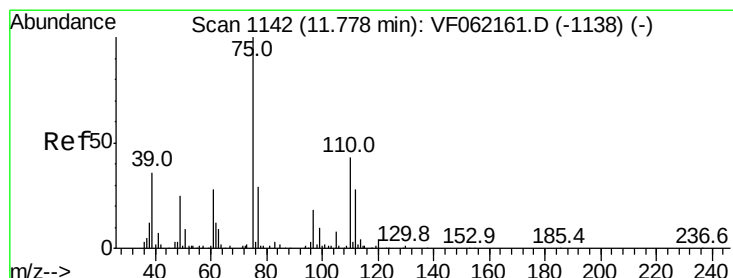
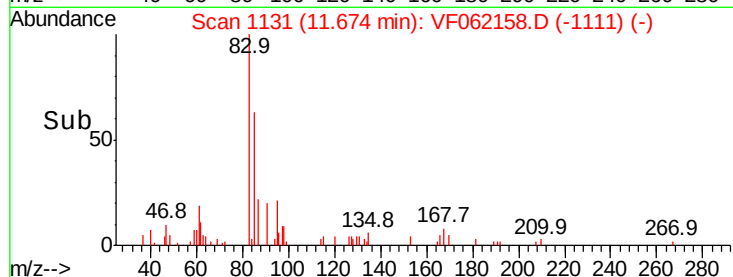
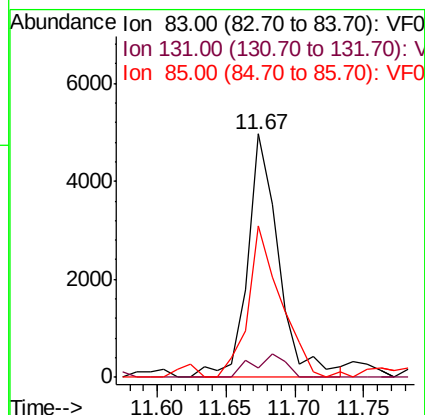
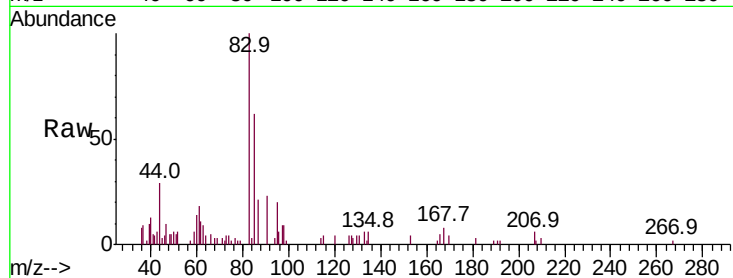
Tot Ion: 83 Resp: 7892

Ion Ratio Lower Upper

83 100

131 4.1 4.3 12.8#

85 62.0 33.1 99.2



#76

1,2,3-Trichloropropane

Concen: 7.117 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062158.D

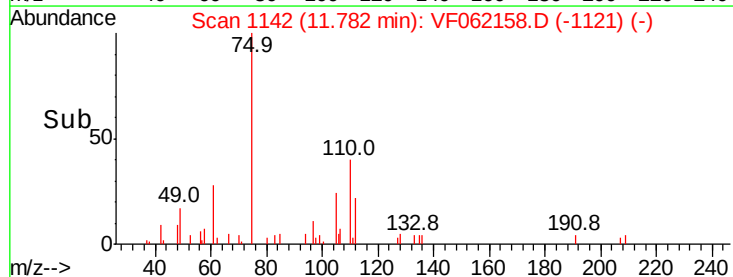
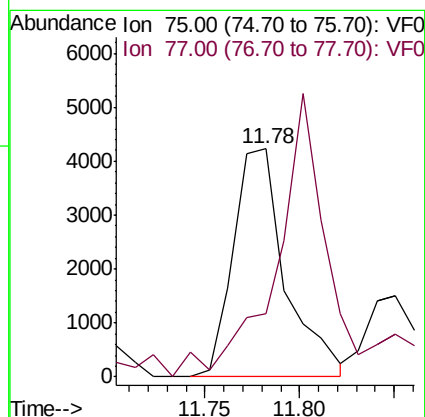
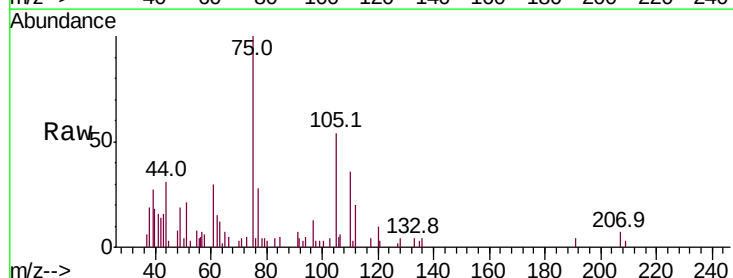
Acq: 4 Apr 2019 15:39

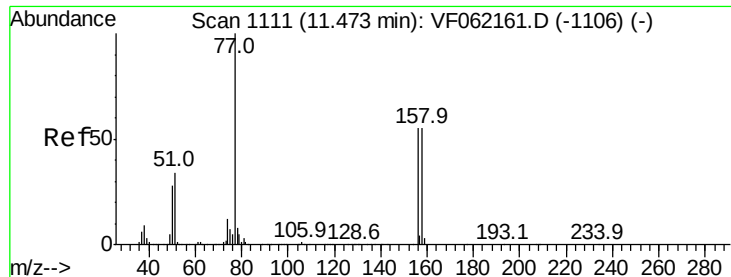
Tgt Ion: 75 Resp: 8107

Ion Ratio Lower Upper

75 100

77 27.7 15.0 45.0





#77

Bromobenzene

Concen: 4.999 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

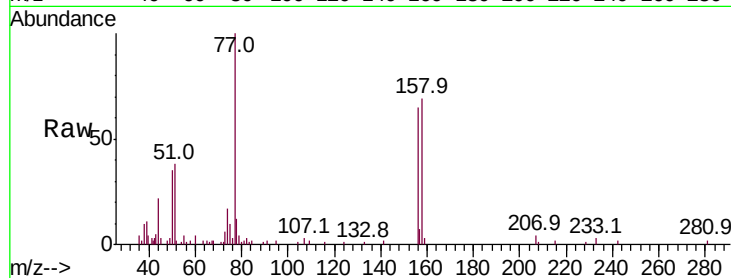
Tot Ion:156 Resp: 11218

Ion Ratio Lower Upper

156 100

77 154.5 91.0 272.8

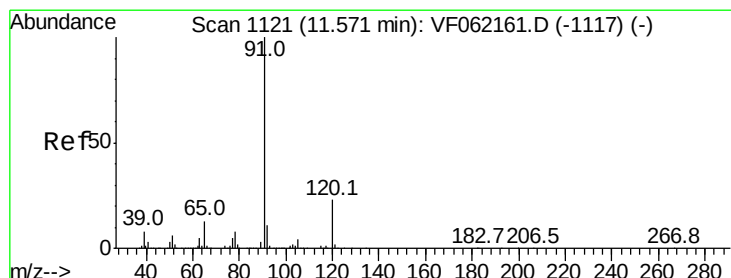
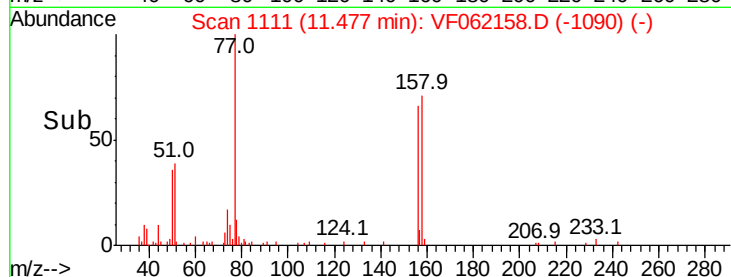
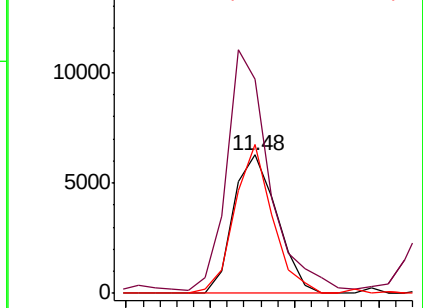
158 107.2 49.7 149.1



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: 6.061 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062158.D

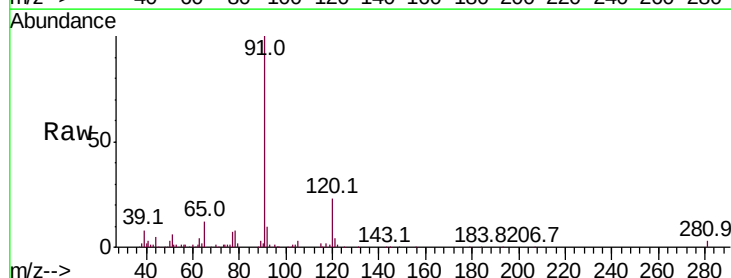
Acq: 4 Apr 2019 15:39

Tgt Ion: 91 Resp: 66346

Ion Ratio Lower Upper

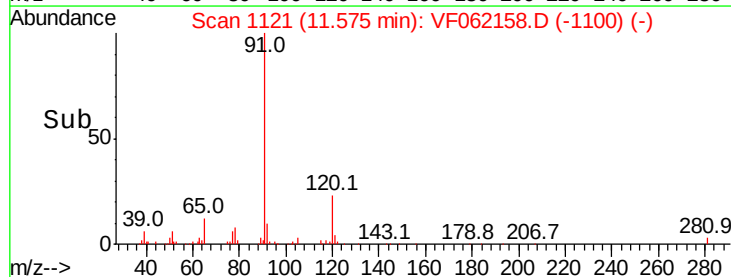
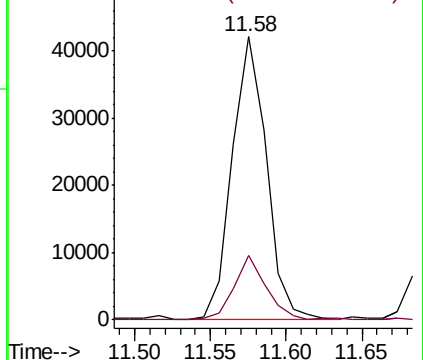
91 100

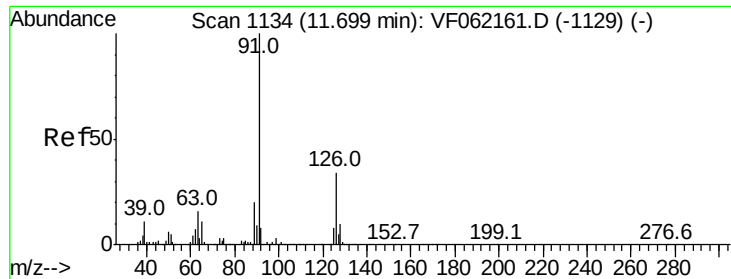
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

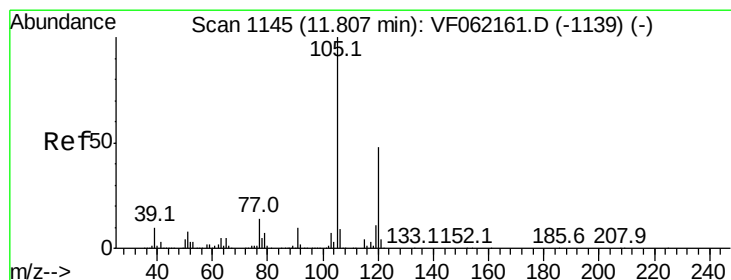
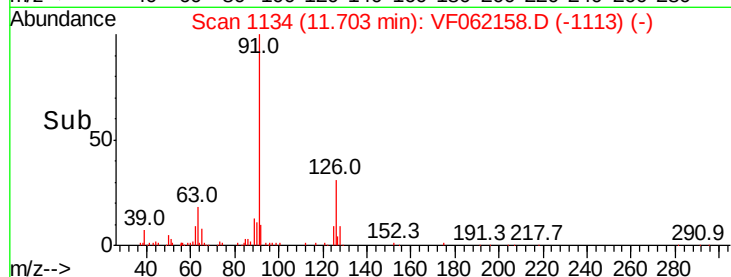
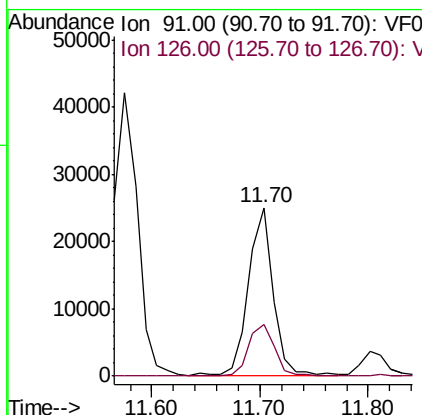
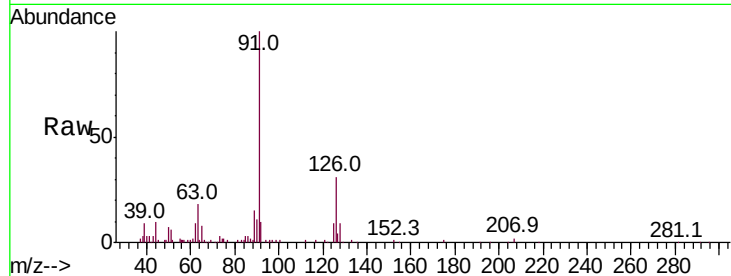




#79
 2-Chlorotoluene
 Concen: 6.651 ug/l
 RT: 11.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF062158.D
 Acq: 4 Apr 2019 15:39

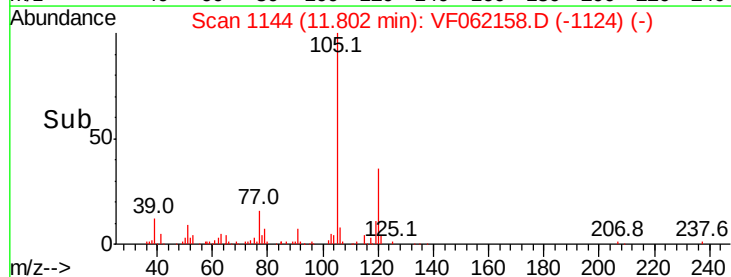
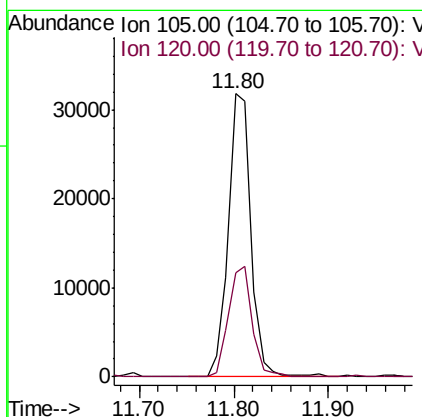
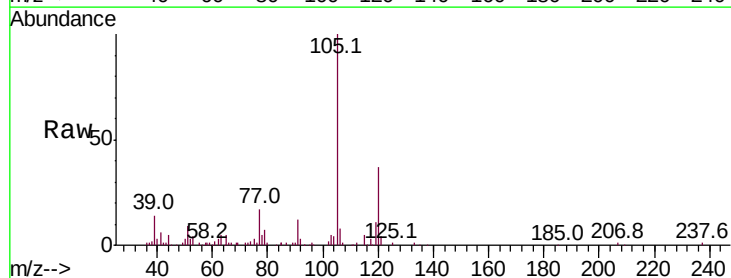
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

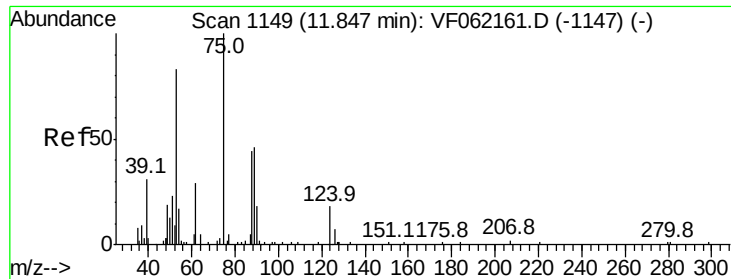
Tot Ion: 91 Resp: 40357
 Ion Ratio Lower Upper
 91 100
 126 31.1 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 6.778 ug/l
 RT: 11.80 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF062158.D
 Acq: 4 Apr 2019 15:39

Tgt Ion: 105 Resp: 52771
 Ion Ratio Lower Upper
 105 100
 120 36.8 24.2 72.6

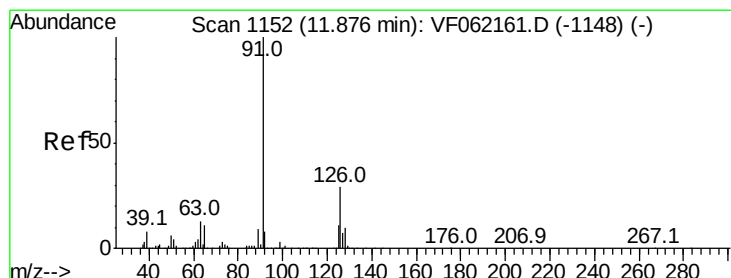
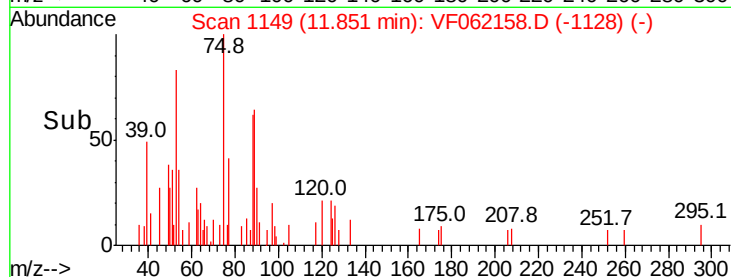
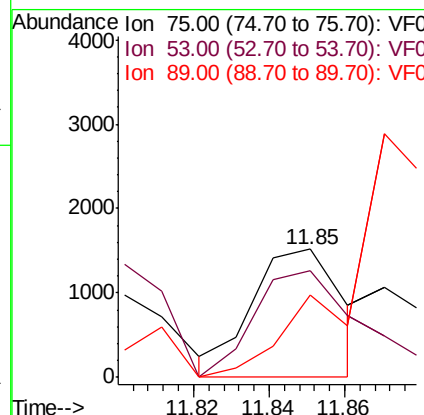
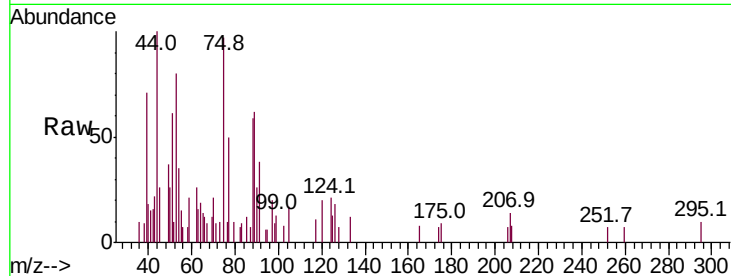




#81
trans-1,4-Dichloro-2-butene
Concen: 5.375 ug/l m
RT: 11.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

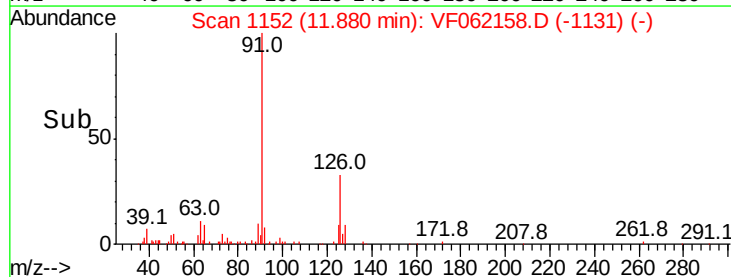
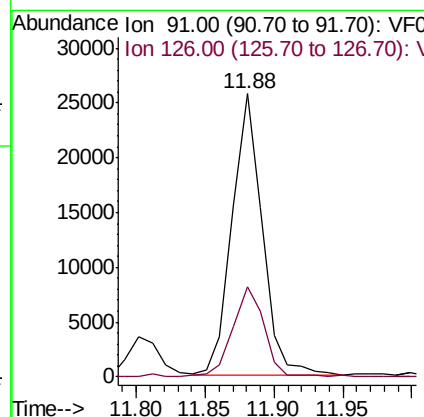
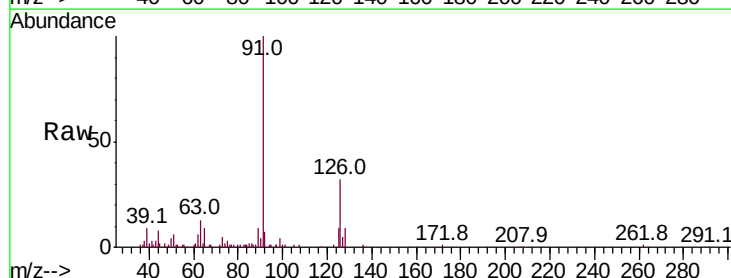
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

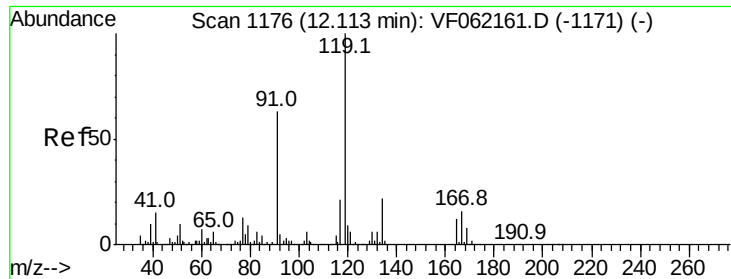
Tot Ion: 75 Resp: 2512
Ion Ratio Lower Upper
75 100
53 83.2 71.4 107.0
89 64.3 37.9 56.9#



#82
4-Chlorotoluene
Concen: 6.249 ug/l
RT: 11.88 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion: 91 Resp: 39363
Ion Ratio Lower Upper
91 100
126 32.0 14.2 42.8





#83

tert-Butylbenzene

Concen: 6.124 ug/l

RT: 12.12 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

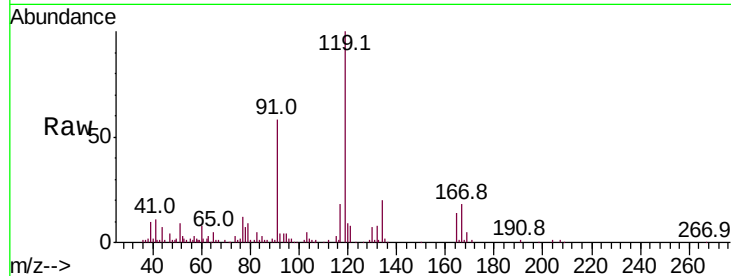
Tot Ion:119 Resp: 49449

Ion Ratio Lower Upper

119 100

91 58.1 31.6 94.7

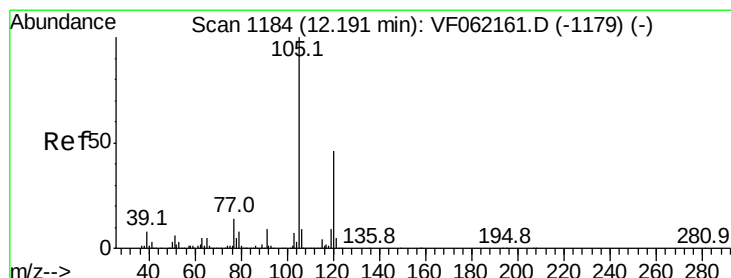
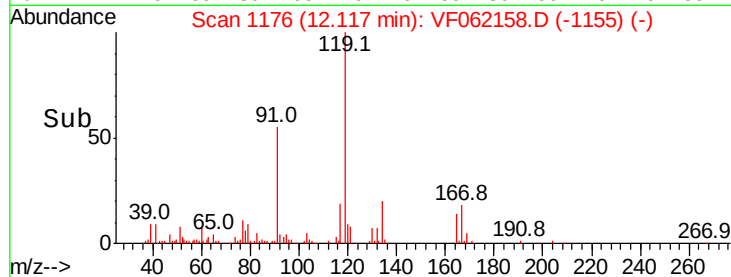
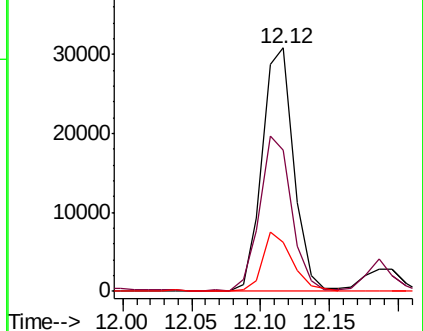
134 20.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.179 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062158.D

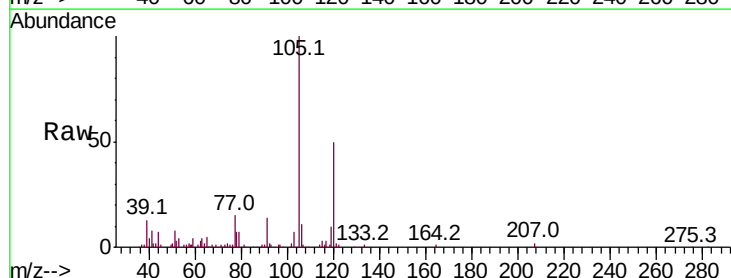
Acq: 4 Apr 2019 15:39

Tgt Ion:105 Resp: 47054

Ion Ratio Lower Upper

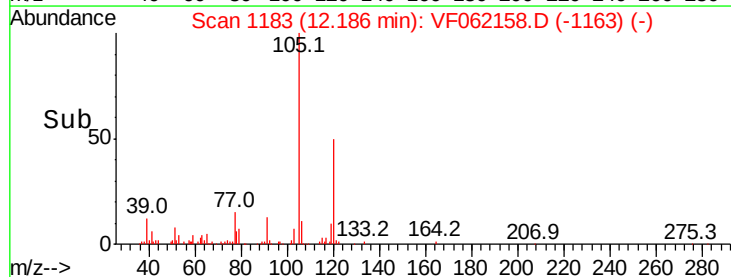
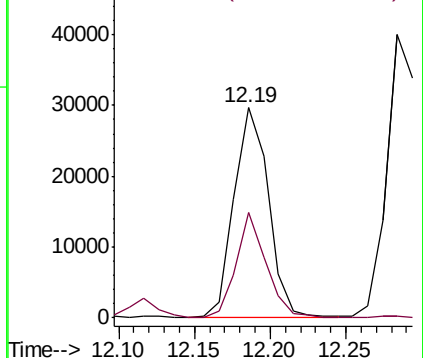
105 100

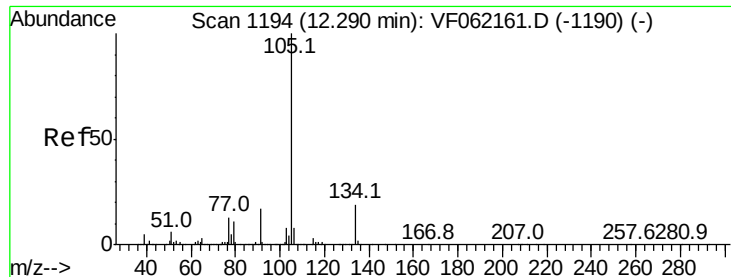
120 50.2 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.719 ug/l

RT: 12.28 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

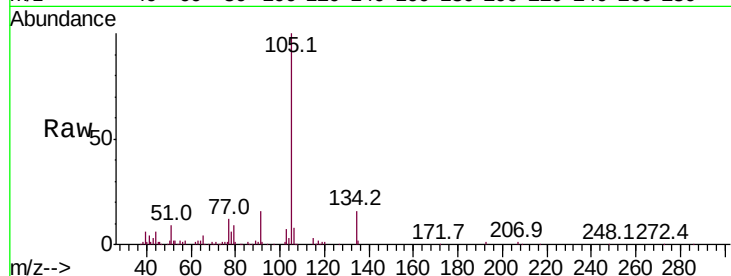
VSTDIC005

Tot Ion:105 Resp: 59490

Ion Ratio Lower Upper

105 100

134 15.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.28

40000

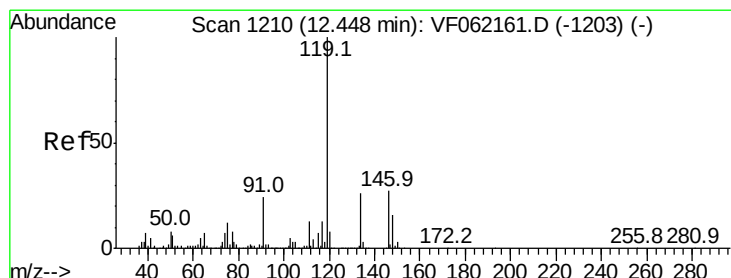
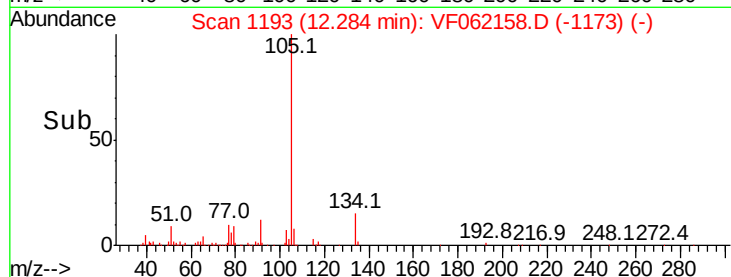
30000

20000

10000

0

Time--> 12.20 12.25 12.30 12.35



#86

p-Isopropyltoluene

Concen: 5.962 ug/l

RT: 12.44 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

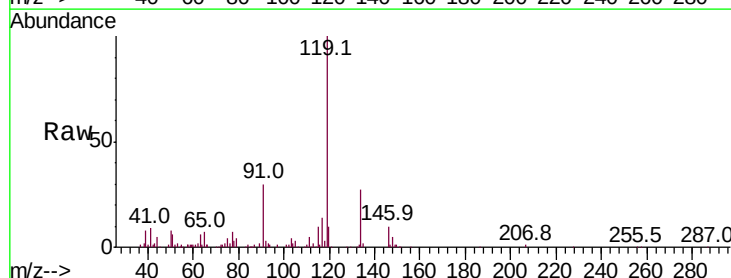
Tgt Ion:119 Resp: 54663

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 29.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

50000

40000

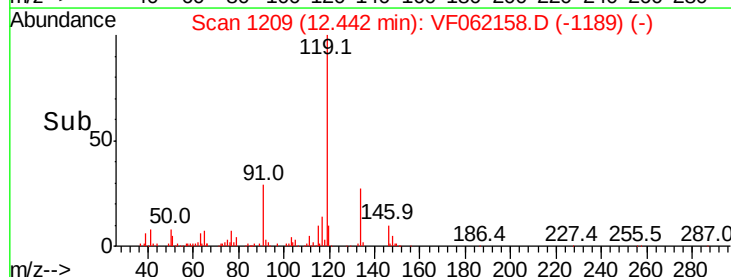
30000

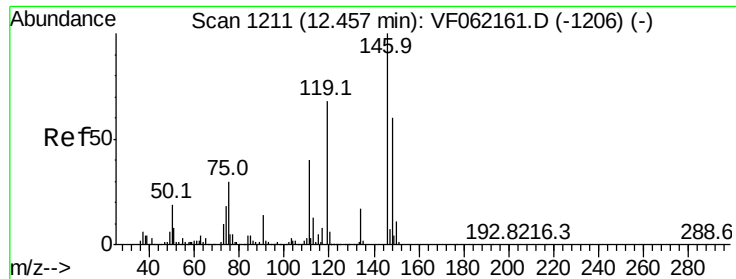
20000

10000

0

Time--> 12.35 12.40 12.45 12.50





#87

1,3-Dichlorobenzene

Concen: 5.426 ug/l

RT: 12.45 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

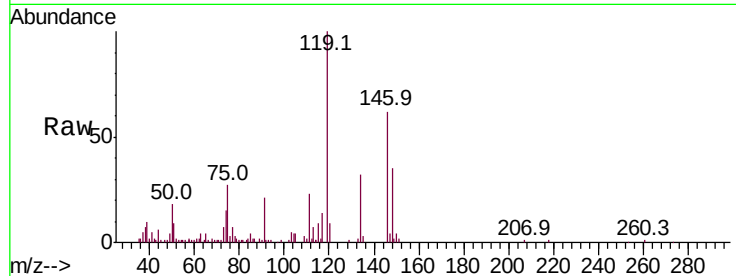
Tot Ion:146 Resp: 22977

Ion Ratio Lower Upper

146 100

111 37.4 19.9 59.6

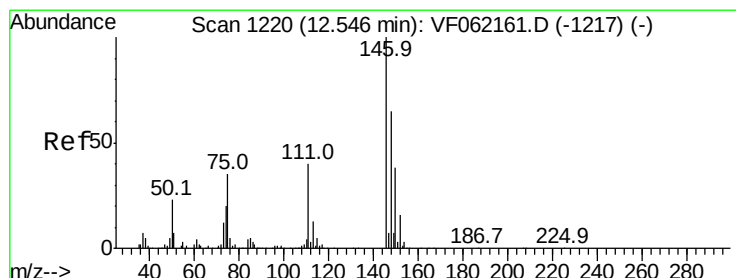
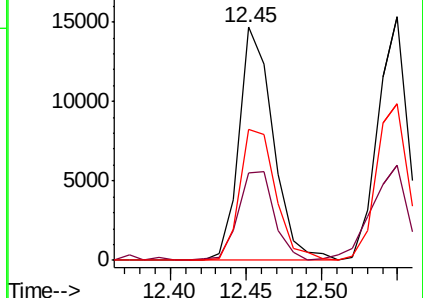
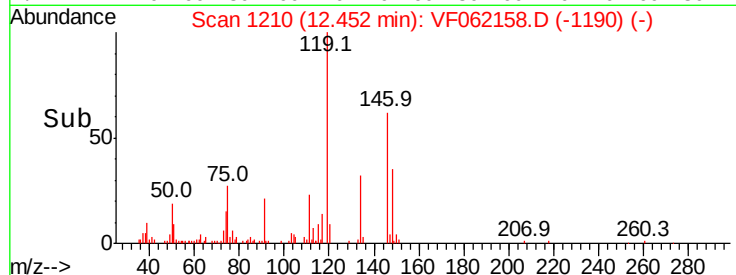
148 56.0 30.0 90.0



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



#88

1,4-Dichlorobenzene

Concen: 5.526 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

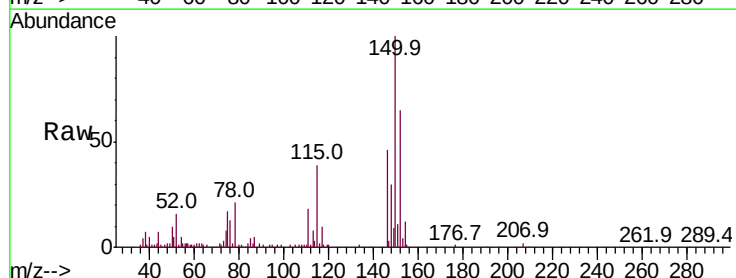
Tgt Ion:146 Resp: 22545

Ion Ratio Lower Upper

146 100

111 39.1 20.1 60.2

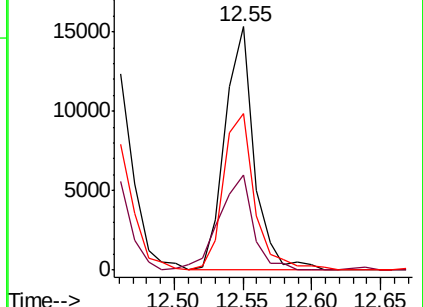
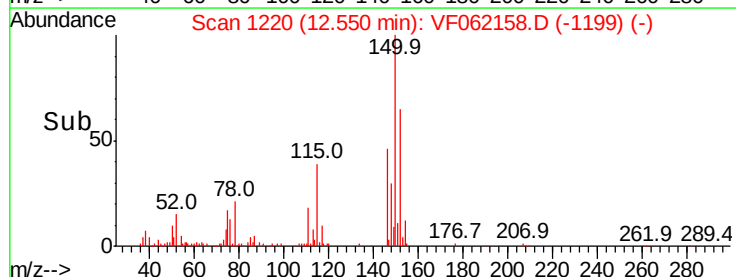
148 64.5 32.5 97.4

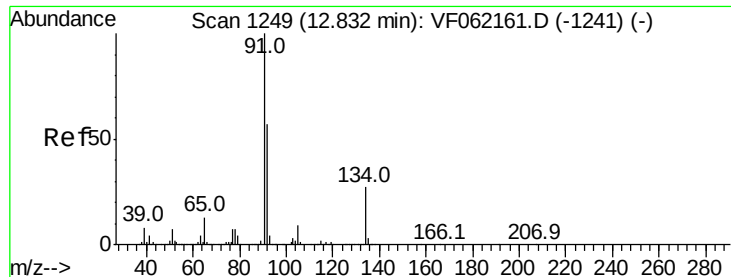


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 5.995 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

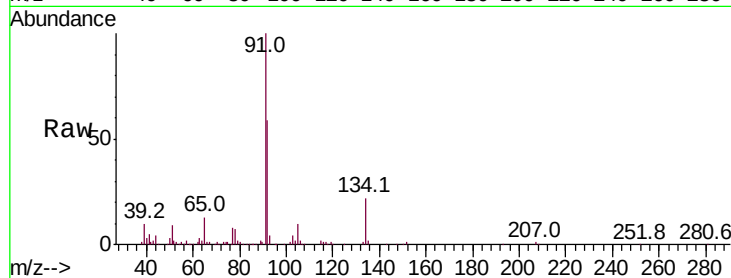
Tot Ion: 91 Resp: 52138

Ion Ratio Lower Upper

91 100

92 59.3 28.3 85.0

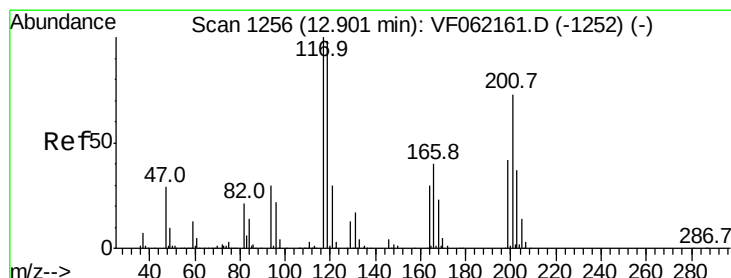
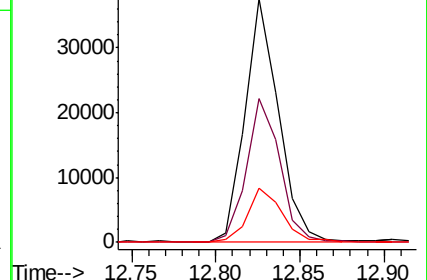
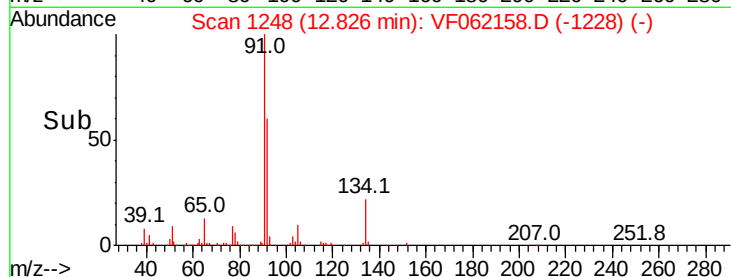
134 22.0 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 6.374 ug/l

RT: 12.90 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062158.D

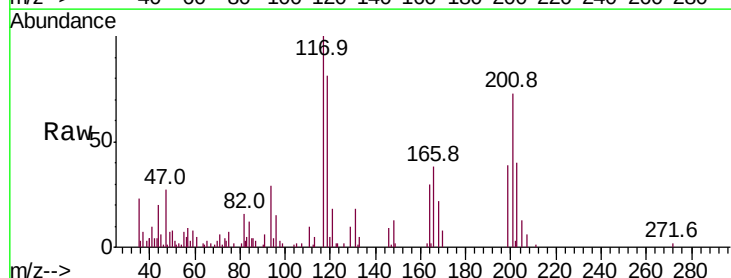
Acq: 4 Apr 2019 15:39

Tgt Ion: 117 Resp: 13644

Ion Ratio Lower Upper

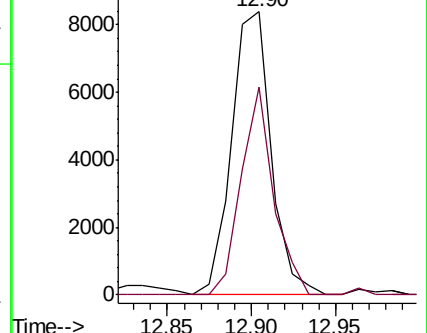
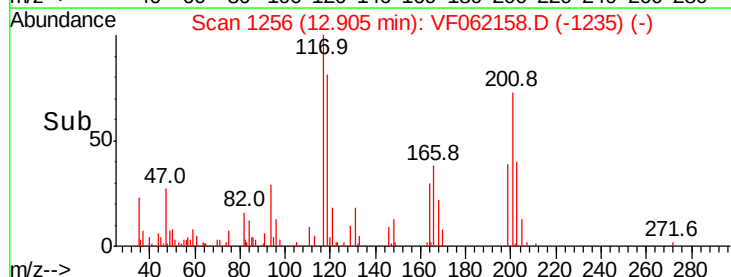
117 100

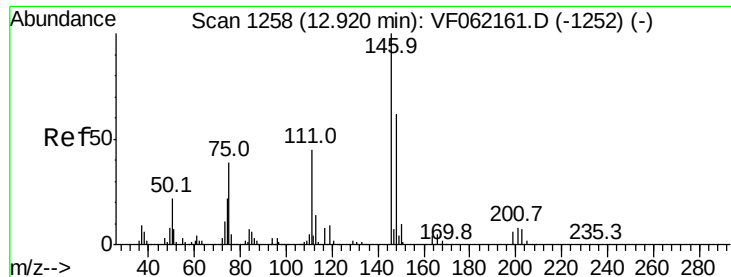
201 73.3 36.8 110.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 5.816 ug/l

RT: 12.92 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

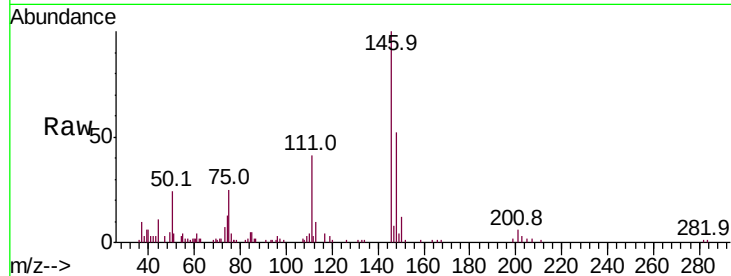
Tot Ion:146 Resp: 22815

Ion Ratio Lower Upper

146 100

111 41.4 22.4 67.0

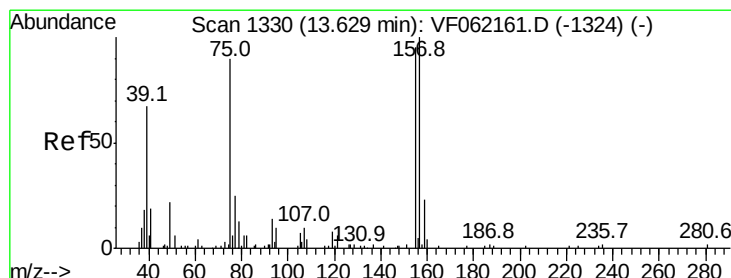
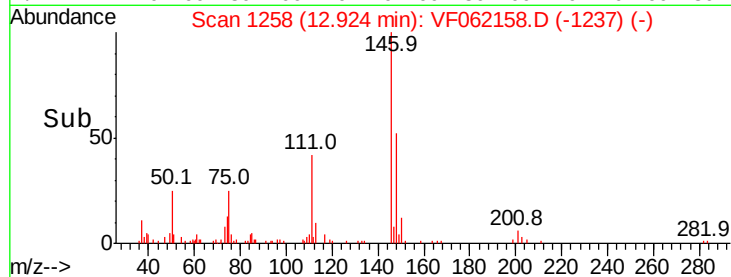
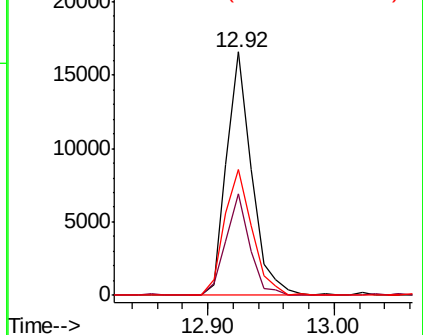
148 51.8 30.9 92.7



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: 9.012 ug/l

RT: 13.63 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VF062158.D

Acq: 4 Apr 2019 15:39

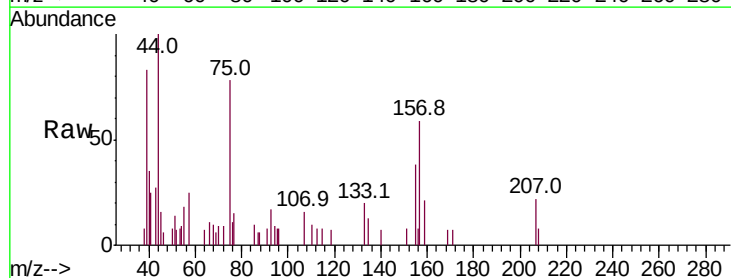
Tgt Ion: 75 Resp: 2244

Ion Ratio Lower Upper

75 100

155 48.6 52.8 158.3#

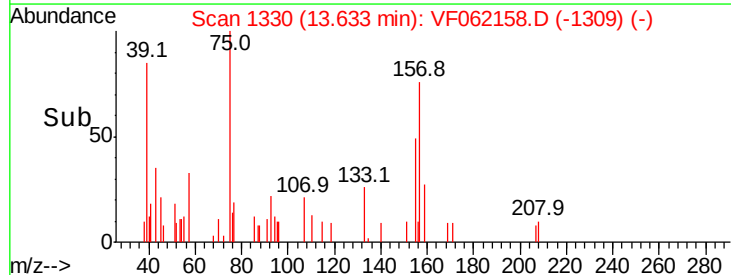
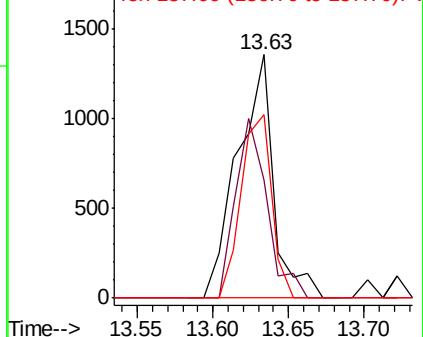
157 75.5 55.7 167.1

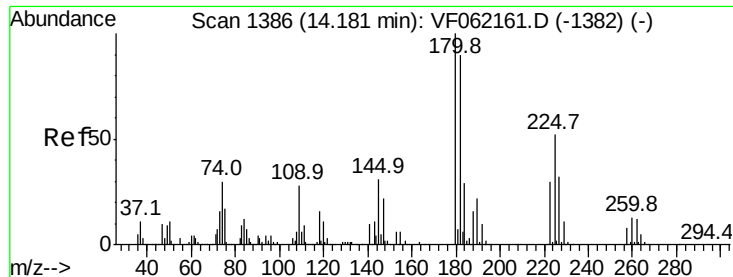


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

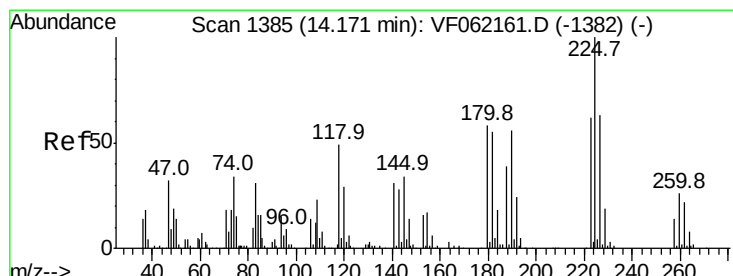
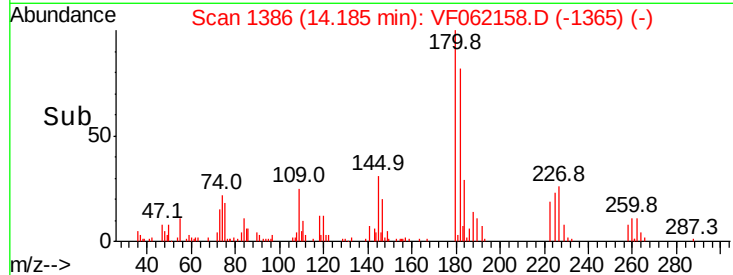
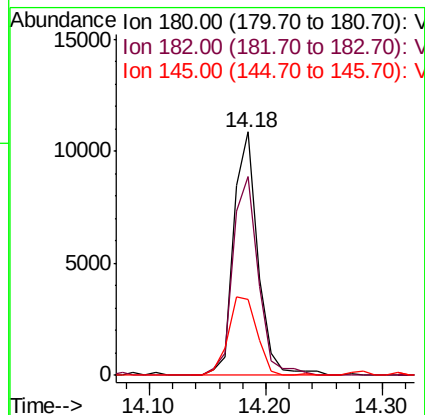
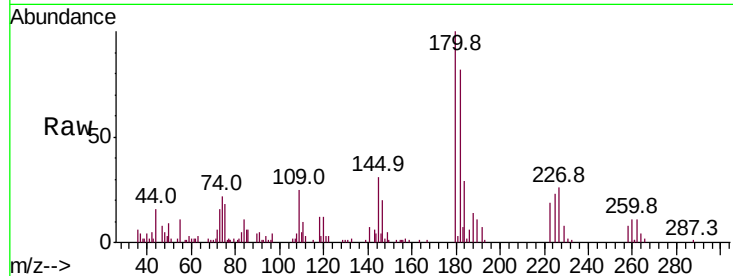




#93
 1,2,4-Trichlorobenzene
 Concen: 5.669 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062158.D
 Acq: 4 Apr 2019 15:39

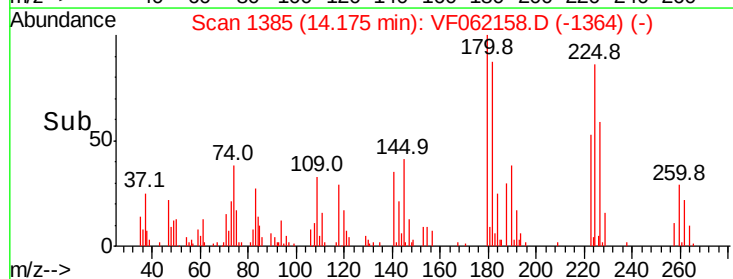
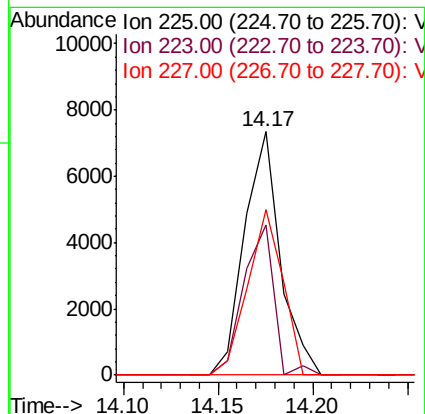
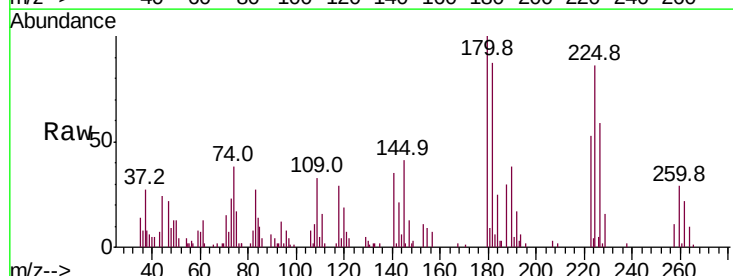
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

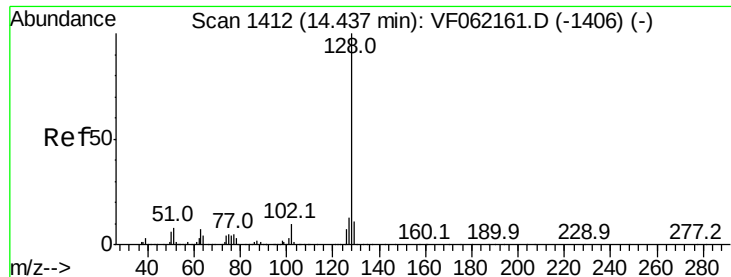
Tot Ion:180 Resp: 15664
 Ion Ratio Lower Upper
 180 100
 182 81.8 45.1 135.2
 145 31.4 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 5.271 ug/l
 RT: 14.17 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VF062158.D
 Acq: 4 Apr 2019 15:39

Tgt Ion:225 Resp: 9620
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.0 93.0
 227 68.1 32.8 98.3

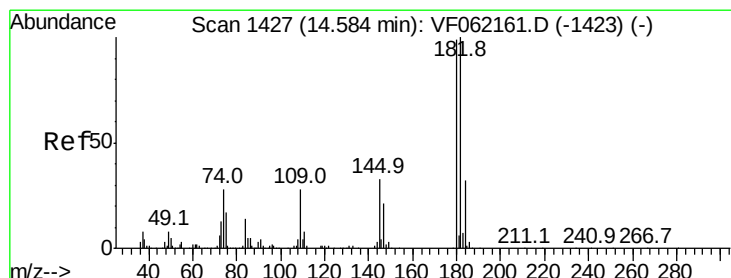
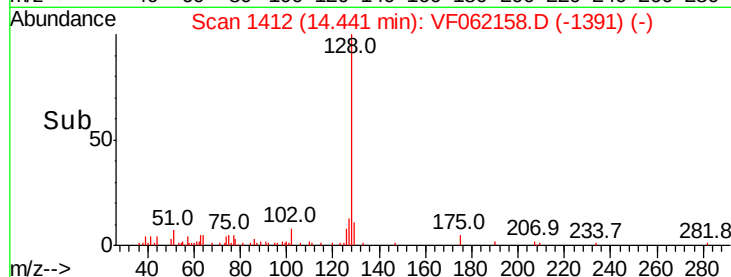
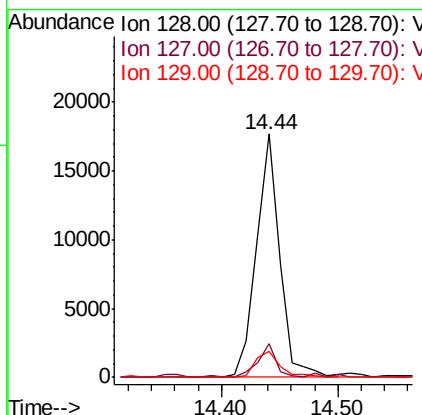
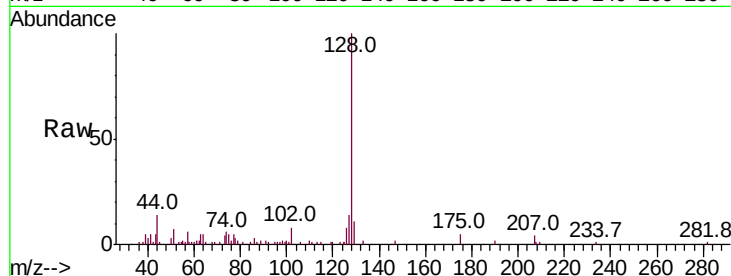




#95
Naphthalene
Concen: 5.210 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 24632
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.2
129 10.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 4.781 ug/l
RT: 14.59 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VF062158.D
Acq: 4 Apr 2019 15:39

Tgt Ion:180 Resp: 12114
Ion Ratio Lower Upper
180 100
182 106.0 50.4 151.2
145 38.6 16.7 50.1

