

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061492.D
 Acq On : 24 Jan 2019 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 25 04:06:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	207927	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.62	114	355541	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.81	117	316663	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	146469	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	94870	36.96	ug/l	0.04
Spiked Amount	50.000		Recovery	=	73.92%	
35) Dibromofluoromethane	4.14	113	116035	41.36	ug/l	0.04
Spiked Amount	50.000		Recovery	=	82.72%	
50) Toluene-d8	7.58	98	321092	41.77	ug/l	0.03
Spiked Amount	50.000		Recovery	=	83.54%	
62) 4-Bromofluorobenzene	11.43	95	136712	38.07	ug/l	0.03
Spiked Amount	50.000		Recovery	=	76.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	198899	48.685	ug/l	92
3) Chloromethane	1.11	50	152700	50.974	ug/l	94
4) Vinyl Chloride	1.15	62	137122	51.458	ug/l	96
5) Bromomethane	1.32	94	90339	51.989	ug/l	99
6) Chloroethane	1.41	64	64539	54.659	ug/l	98
7) Trichlorofluoromethane	1.49	101	227827	43.979	ug/l	99
8) Diethyl Ether	1.64	74	34860	52.517	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.86	101	121041	48.627	ug/l	97
10) Methyl Iodide	1.92	142	156999	40.685	ug/l	96
11) Tert butyl alcohol	2.59	59	24681	227.136	ug/l #	85
12) 1,1-Dichloroethene	1.82	96	101572	54.925	ug/l	82
13) Acrolein	2.01	56	27765	294.721	ug/l	98
14) Allyl chloride	2.11	41	140884	68.085	ug/l	89
15) Acrylonitrile	2.96	53	67235	241.560	ug/l	94
16) Acetone	2.25	43	151438	294.057	ug/l	99
17) Carbon Disulfide	1.84	76	236261	40.973	ug/l	95
18) Methyl Acetate	2.37	43	52778	51.676	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	189497	45.710	ug/l	98
20) Methylene Chloride	2.19	84	34798	18.809	ug/l	89
21) trans-1,2-Dichloroethene	2.33	96	104283	51.253	ug/l	98
22) Diisopropyl ether	2.81	45	326452	49.605	ug/l	99
23) Vinyl Acetate	3.21	43	739343	255.348	ug/l	98
24) 1,1-Dichloroethane	2.89	63	203129	49.179	ug/l	97
25) 2-Butanone	4.36	43	241857	282.406	ug/l	97
26) 2,2-Dichloropropane	3.62	77	113631	44.777	ug/l	94
27) cis-1,2-Dichloroethene	3.50	96	154457	51.426	ug/l	97
28) Bromochloromethane	3.74	49	89003	47.938	ug/l	92
29) Tetrahydrofuran	4.10	42	90095	244.314	ug/l	96
30) Chloroform	3.89	83	270611	48.546	ug/l	98
31) Cyclohexane	3.72	56	125489	30.415	ug/l	98
32) 1,1,1-Trichloroethane	4.12	97	166367	40.704	ug/l	97
36) 1,1-Dichloropropene	4.31	75	222097	53.877	ug/l	98
37) Ethyl Acetate	4.13	43	87716	53.231	ug/l #	93
38) Carbon Tetrachloride	4.02	117	167852	46.575	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	236298	52.894	ug/l	98
40) Benzene	4.67	78	468857	51.113	ug/l	98
41) Methacrylonitrile	4.78	41	43117	49.175	ug/l	95
42) 1,2-Dichloroethane	4.97	62	162138	49.603	ug/l	98
43) Isopropyl Acetate	6.98	43	111748	54.033	ug/l #	90
44) Trichloroethene	5.53	130	150682	53.549	ug/l	92
45) 1,2-Dichloropropane	6.26	63	129943	53.975	ug/l	97
46) Dibromomethane	6.12	93	81189	50.718	ug/l	96
47) Bromodichloromethane	6.41	83	207698	52.440	ug/l	99
48) Methyl methacrylate	6.74	41	72496	52.202	ug/l	95
49) 1,4-Dioxane	6.74	88	10207	1056.854	ug/l #	81
51) 4-Methyl-2-Pentanone	8.29	43	389304	256.052	ug/l	96
52) Toluene	7.66	92	308709	51.105	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	161283	51.282	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	204490	52.017	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	87818	51.195	ug/l	95
56) Ethyl methacrylate	8.64	69	100985	50.601	ug/l	98
57) 1,3-Dichloropropane	8.88	76	161747	50.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	68141	317.283	ug/l	93
59) 2-Hexanone	9.52	43	299390	282.387	ug/l	99
60) Dibromochloromethane	8.74	129	124247	49.544	ug/l	98
61) 1,2-Dibromoethane	9.02	107	98221	50.017	ug/l	96
64) Tetrachloroethene	8.18	164	129449	54.360	ug/l	99
65) Chlorobenzene	9.83	112	343921	53.408	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	133901	52.197	ug/l	97
67) Ethyl Benzene	9.92	91	602174	51.182	ug/l	99
68) m/p-Xylenes	10.16	106	433634	102.474	ug/l	94
69) o-Xylene	10.73	106	245531	53.536	ug/l	95
70) Styrene	10.81	104	316183	50.364	ug/l	96
71) Bromoform	10.79	173	61739	53.565	ug/l #	98
73) Isopropylbenzene	11.15	105	680133	57.094	ug/l	99
74) N-amyl acetate	11.39	43	173956	61.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	112792	53.149	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	83912	55.028	ug/l	92
77) Bromobenzene	11.51	156	141282	56.157	ug/l	85
78) n-propylbenzene	11.61	91	766282	53.245	ug/l	98
79) 2-Chlorotoluene	11.74	91	444788	53.813	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	542895	56.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	50876	76.749	ug/l	94
82) 4-Chlorotoluene	11.92	91	450594	54.024	ug/l	100
83) tert-Butylbenzene	12.15	119	555629	55.840	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	545314	55.068	ug/l	97
85) sec-Butylbenzene	12.32	105	753654	55.773	ug/l	97
86) p-Isopropyltoluene	12.48	119	619909	55.885	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	260573	52.371	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	251503	52.902	ug/l	97
89) n-Butylbenzene	12.86	91	617352	53.965	ug/l	99
90) Hexachloroethane	12.93	117	163235	62.427	ug/l	93
91) 1,2-Dichlorobenzene	12.96	146	252678	53.689	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20871	55.447	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

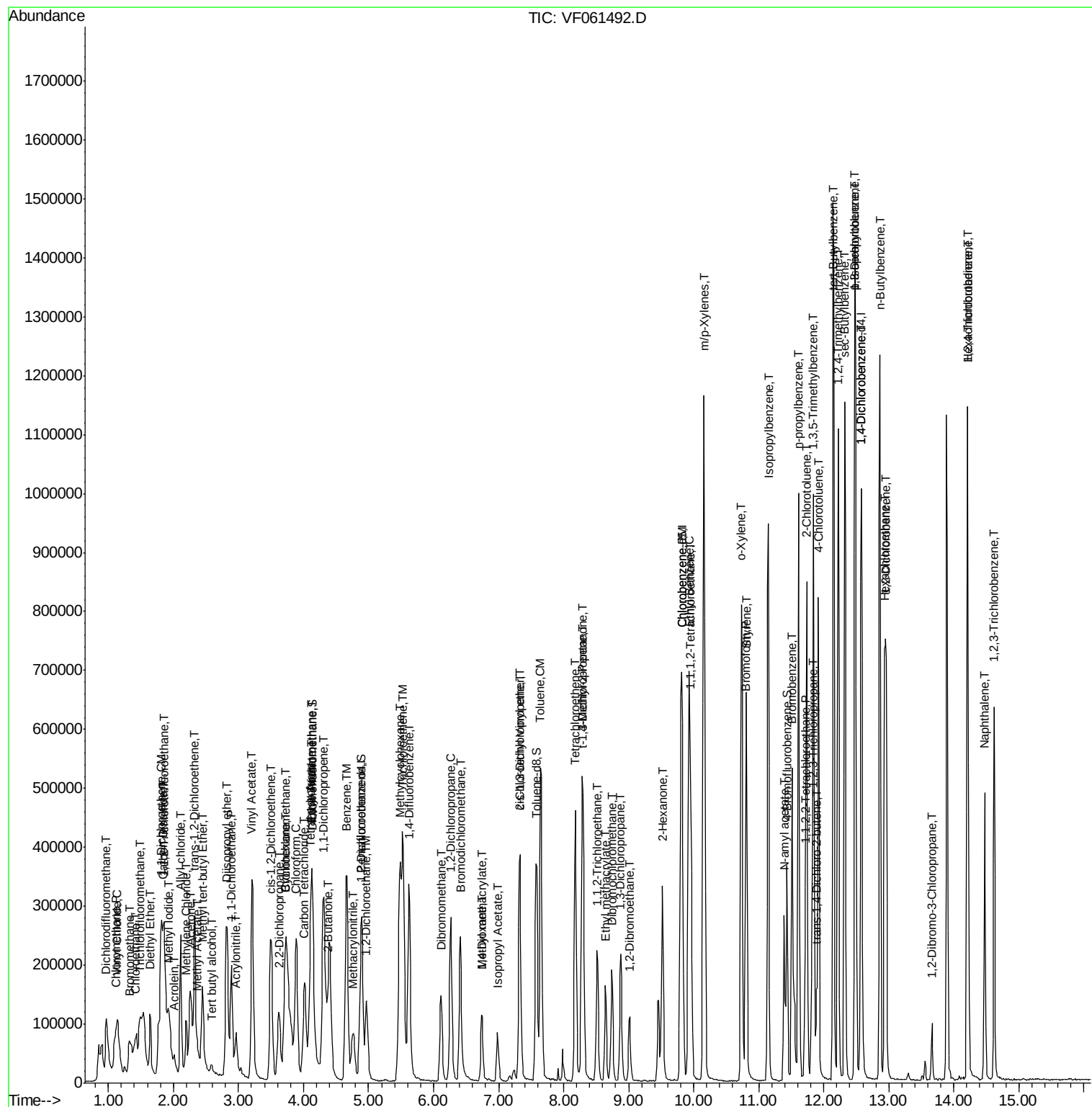
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	178121	54.027	ug/l	98
94) Hexachlorobutadiene	14.21	225	112303	54.895	ug/l	97
95) Naphthalene	14.47	128	334369	53.381	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	162815	53.348	ug/l	99

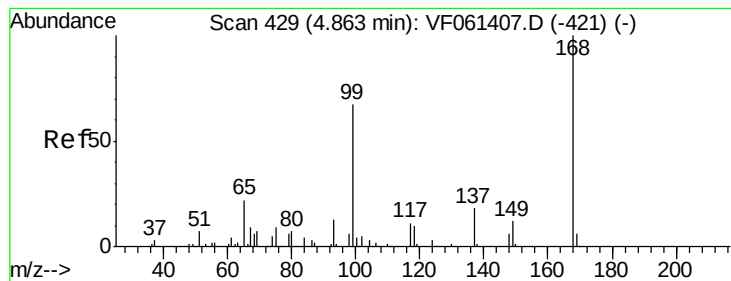
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

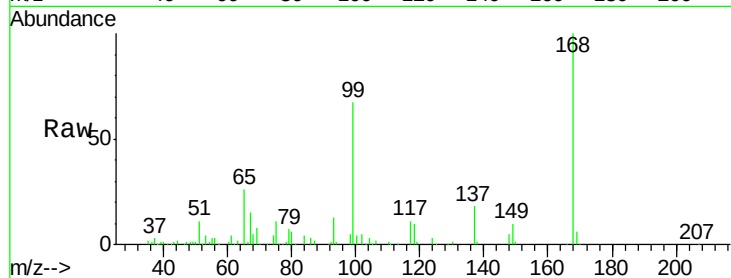
VSTDCCC050

Tot Ion:168 Resp: 207927

Ion Ratio Lower Upper

168 100

99 67.5 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

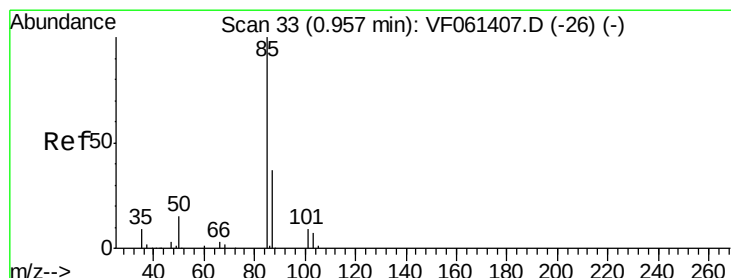
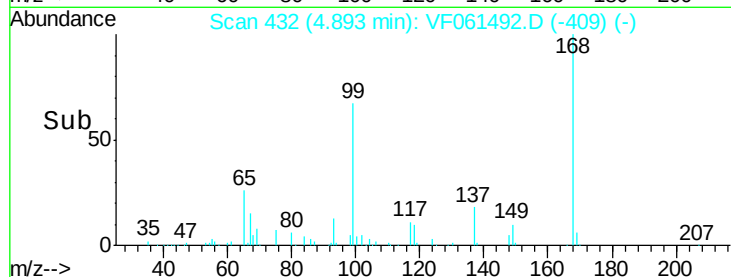
40000

20000

0

Time-->

4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 48.685 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061492.D

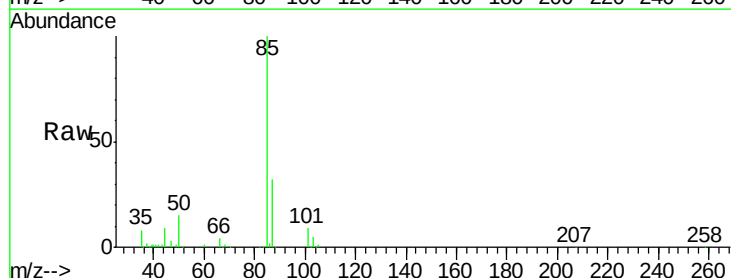
Acq: 24 Jan 2019 10:54

Tgt Ion: 85 Resp: 198899

Ion Ratio Lower Upper

85 100

87 31.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

60000

50000

40000

30000

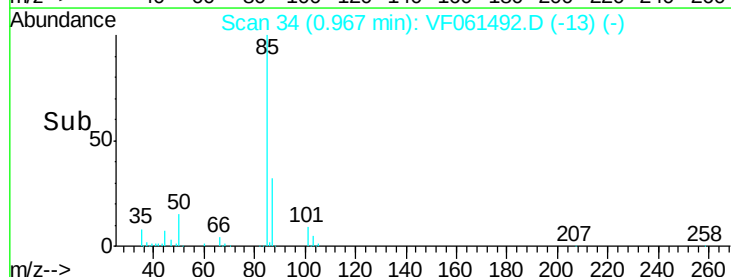
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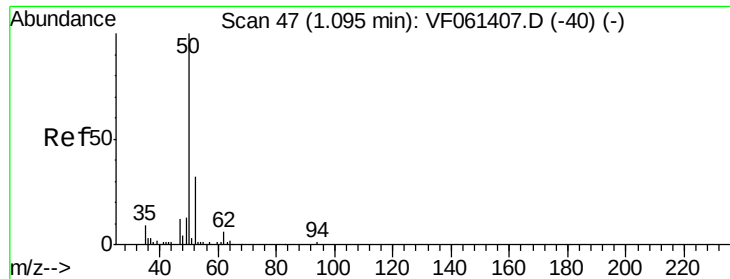
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 50.974 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

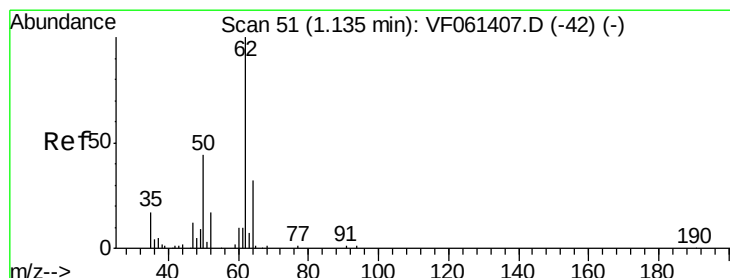
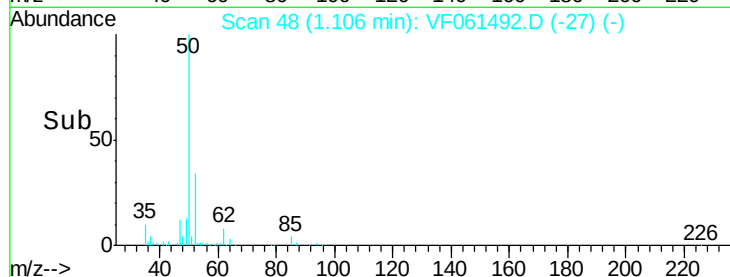
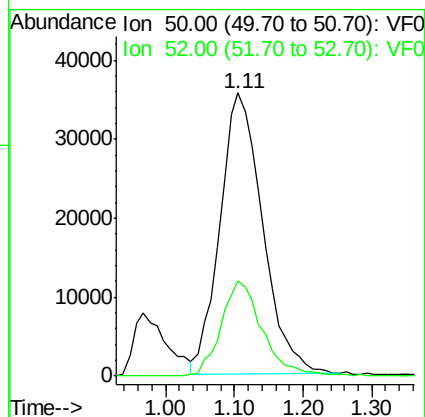
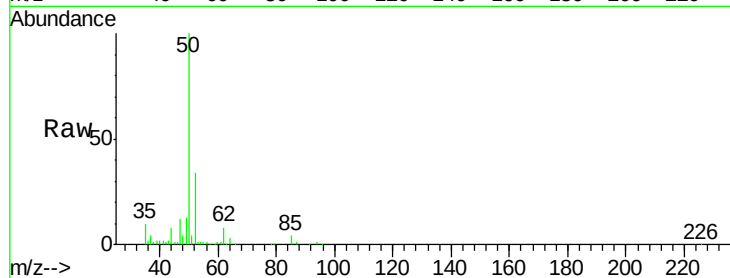
VSTDCCC050

Tot Ion: 50 Resp: 152700

Ion Ratio Lower Upper

50 100

52 33.8 24.6 36.8



#4

Vinyl Chloride

Concen: 51.458 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061492.D

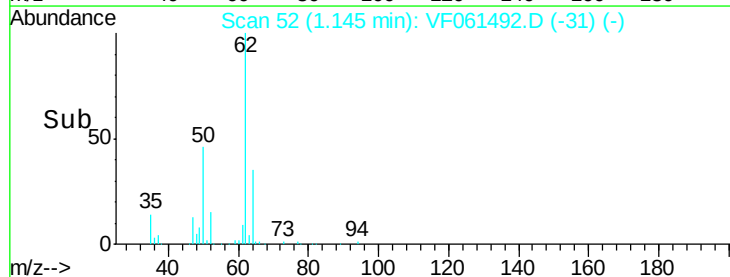
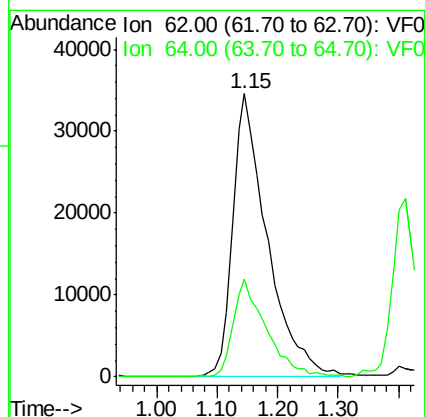
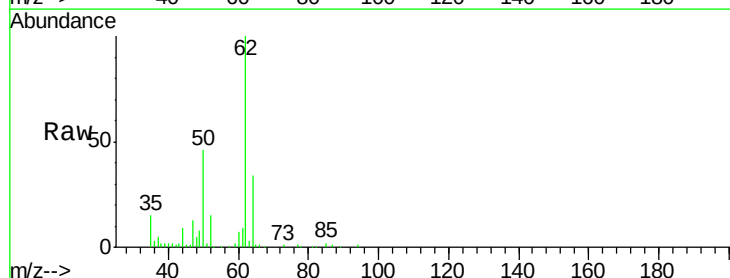
Acq: 24 Jan 2019 10:54

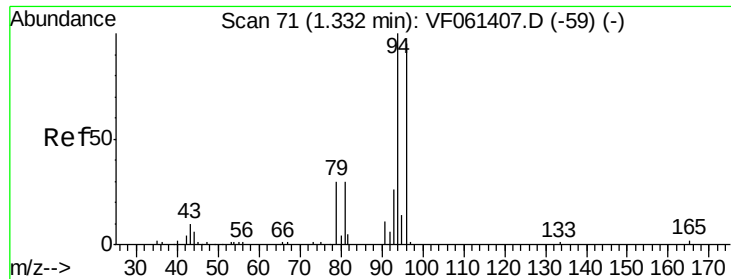
Tgt Ion: 62 Resp: 137122

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4





#5

Bromomethane

Concen: 51.989 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

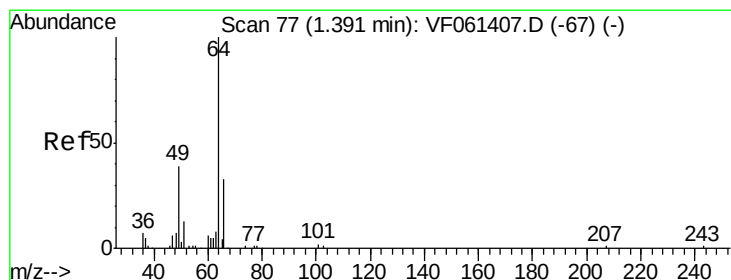
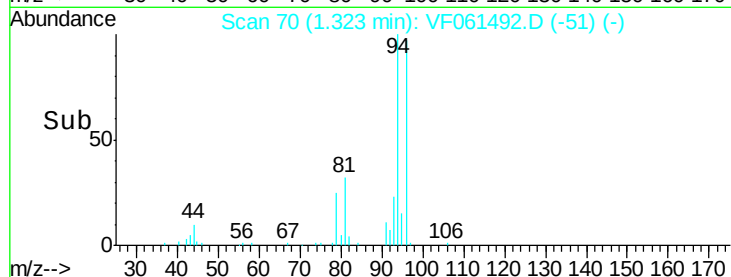
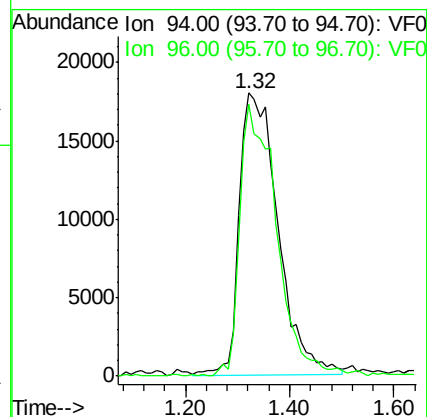
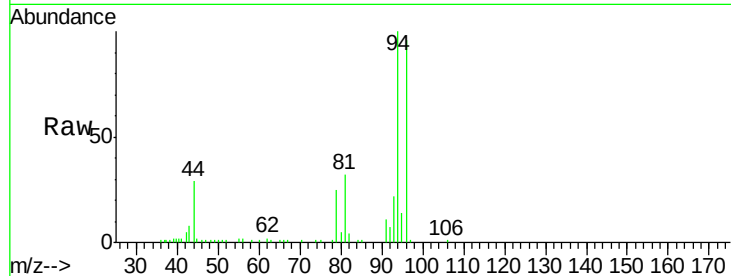
VSTDCCC050

Tot Ion: 94 Resp: 90339

Ion Ratio Lower Upper

94 100

96 96.1 76.0 114.0



#6

Chloroethane

Concen: 54.659 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061492.D

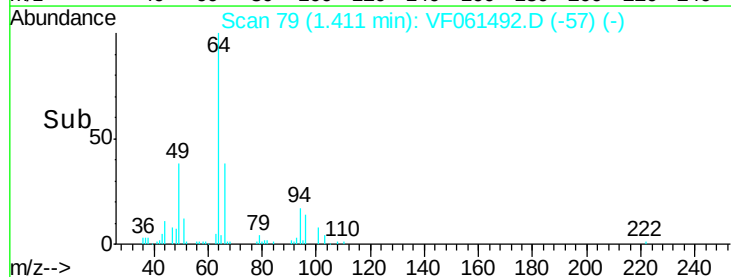
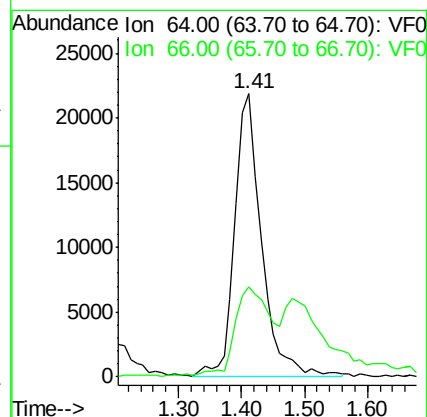
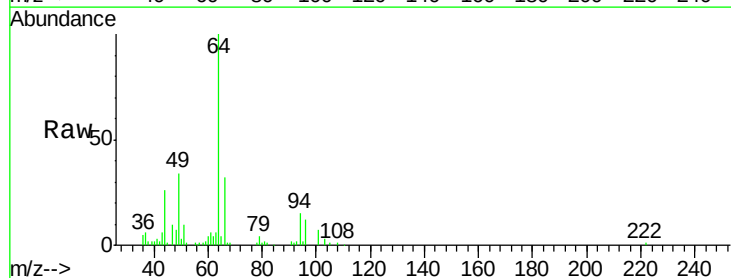
Acq: 24 Jan 2019 10:54

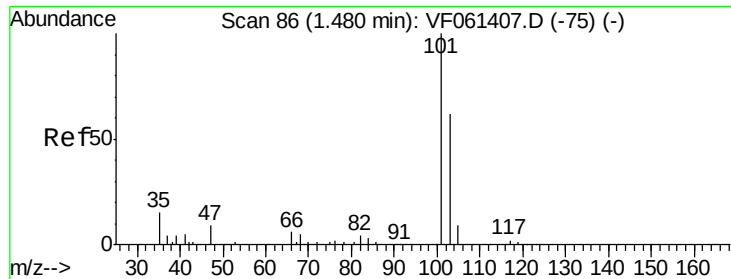
Tgt Ion: 64 Resp: 64539

Ion Ratio Lower Upper

64 100

66 32.0 26.6 40.0



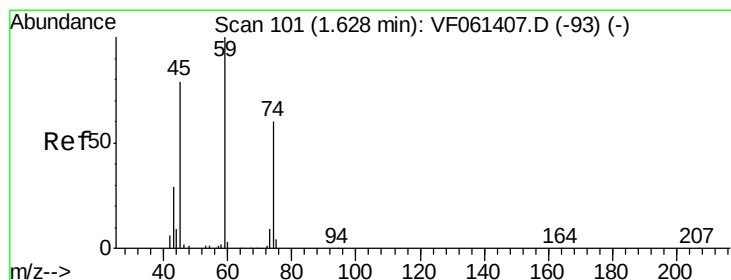
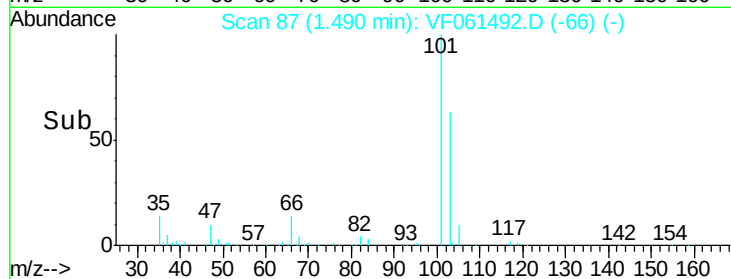
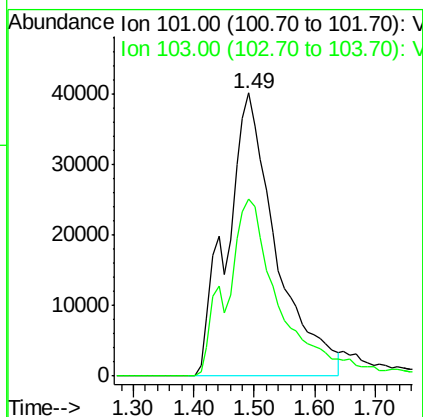
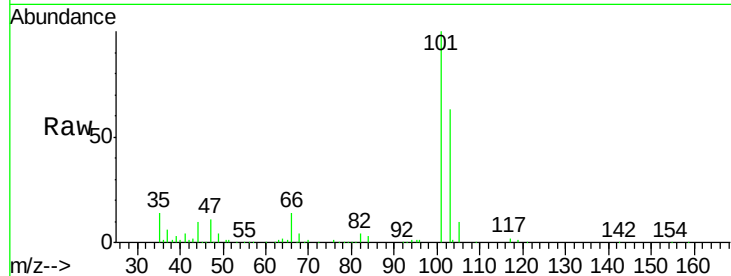


#7

Trichlorofluoromethane
Concen: 43.979 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

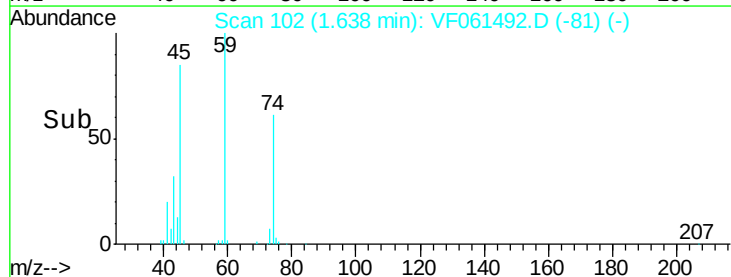
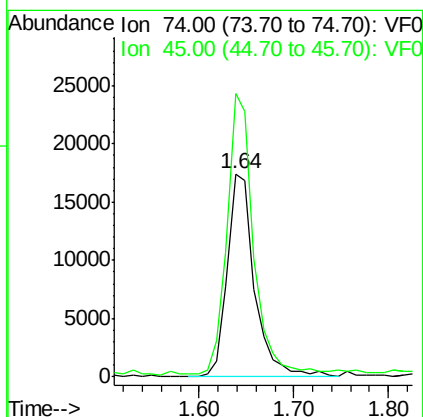
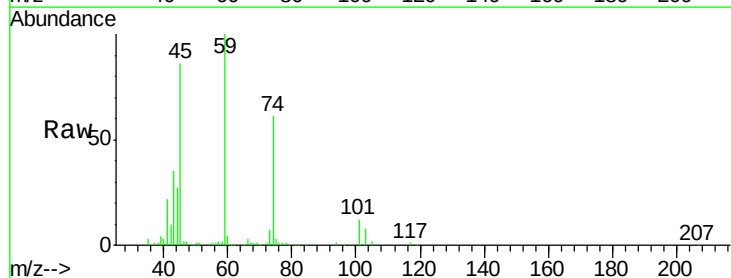
Tot Ion:101 Resp: 227827
Ion Ratio Lower Upper
101 100
103 62.6 49.7 74.5

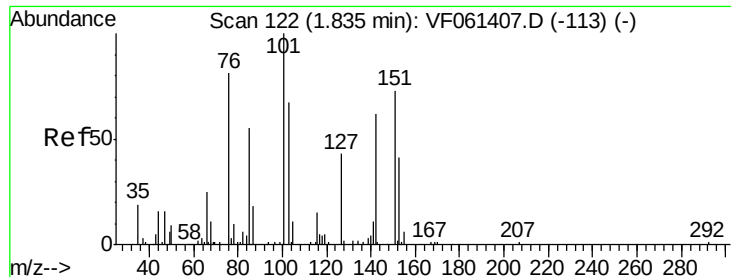


#8

Diethyl Ether
Concen: 52.517 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 74 Resp: 34860
Ion Ratio Lower Upper
74 100
45 139.5 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.627 ug/l

RT: 1.86 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

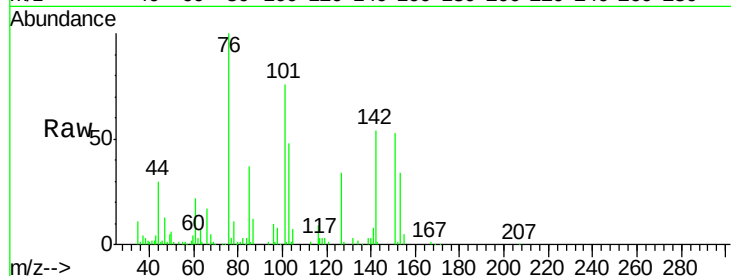
Tot Ion:101 Resp: 121041

Ion Ratio Lower Upper

101 100

85 48.3 41.9 62.9

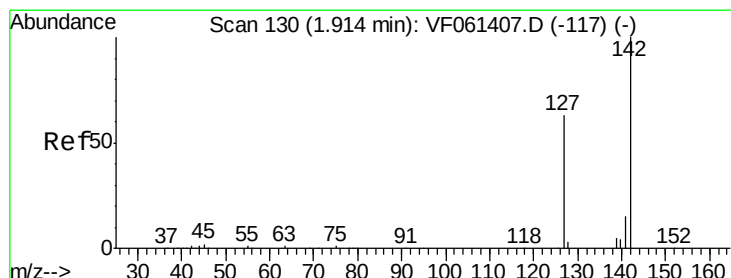
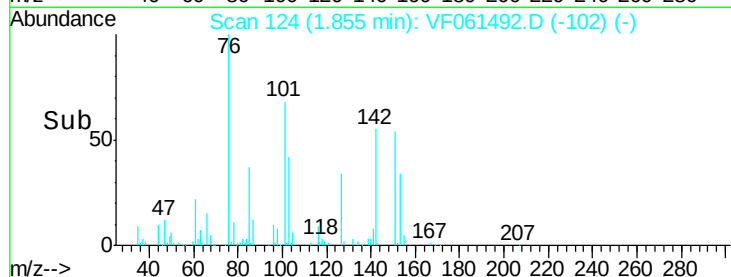
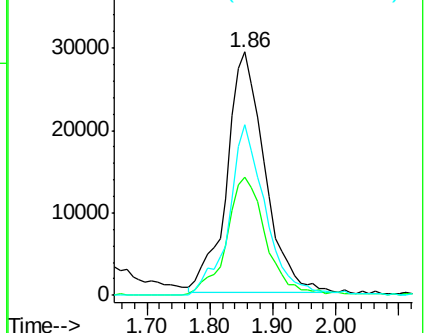
151 70.3 55.1 82.7



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: 40.685 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

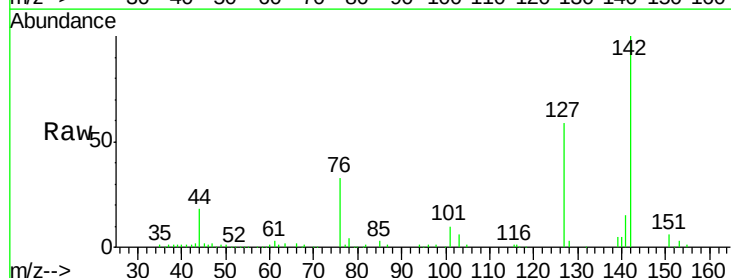
Tgt Ion:142 Resp: 156999

Ion Ratio Lower Upper

142 100

127 59.2 50.7 76.1

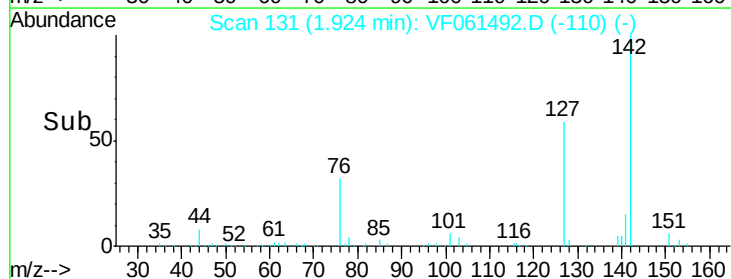
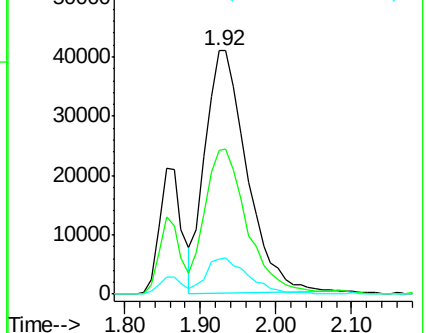
141 14.6 11.8 17.6

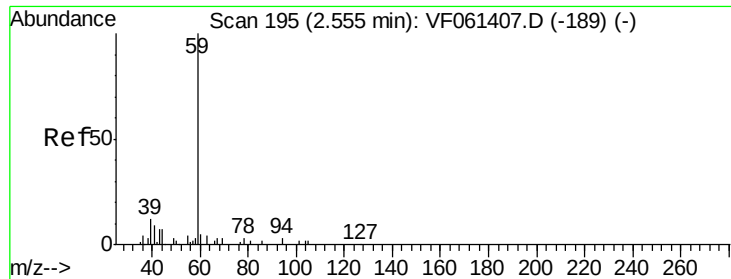


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



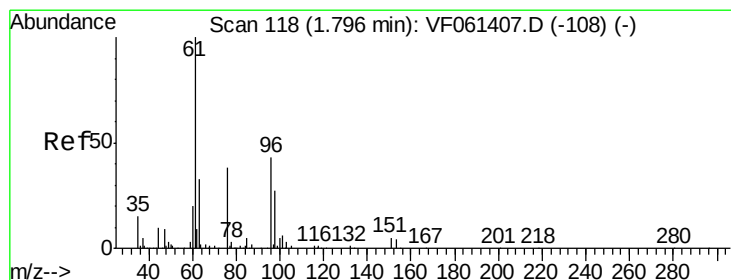
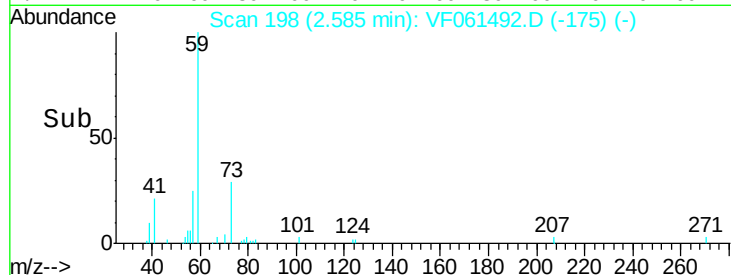
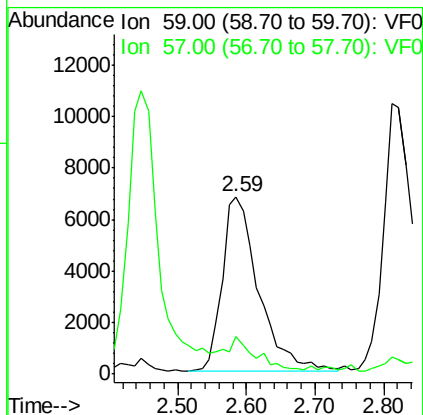
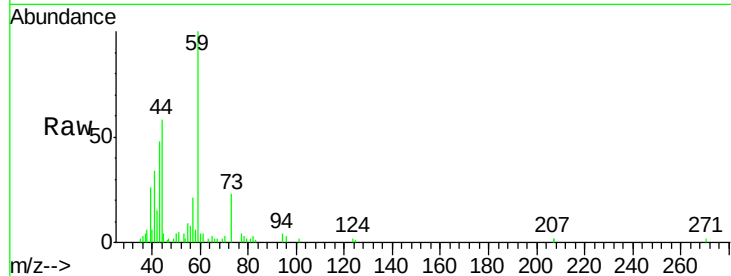


#11

Tert butyl alcohol
 Concen: 227.136 ug/l
 RT: 2.59 min Scan# 198
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

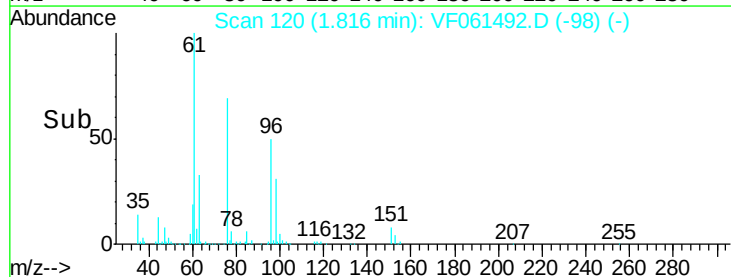
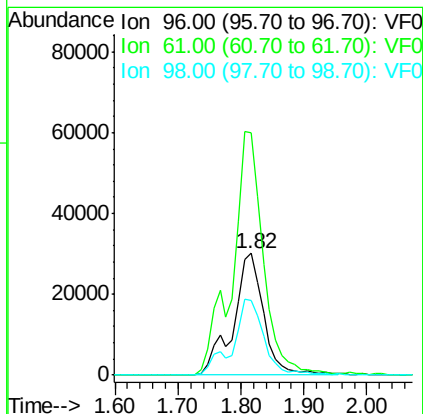
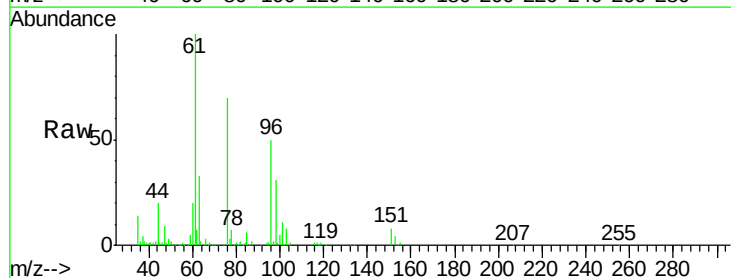
Tot Ion: 59 Resp: 24681
 Ion Ratio Lower Upper
 59 100
 57 21.2 11.9 17.9#

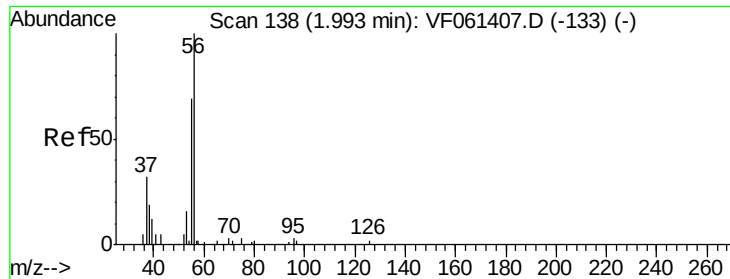


#12

1,1-Dichloroethene
 Concen: 54.925 ug/l
 RT: 1.82 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion: 96 Resp: 101572
 Ion Ratio Lower Upper
 96 100
 61 198.9 186.9 280.3
 98 60.8 53.0 79.4





#13

Acrolein

Concen: 294.721 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

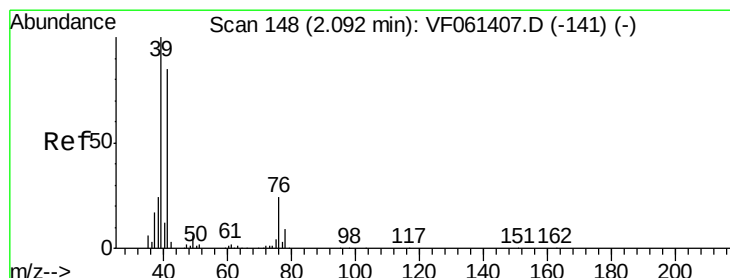
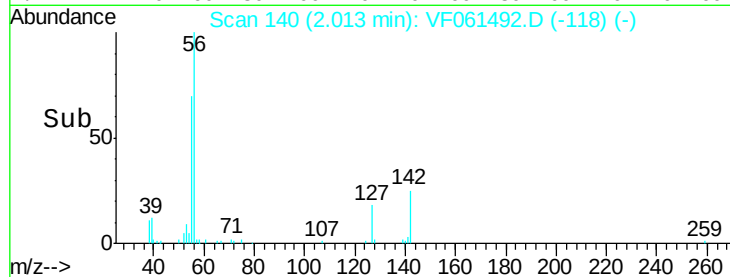
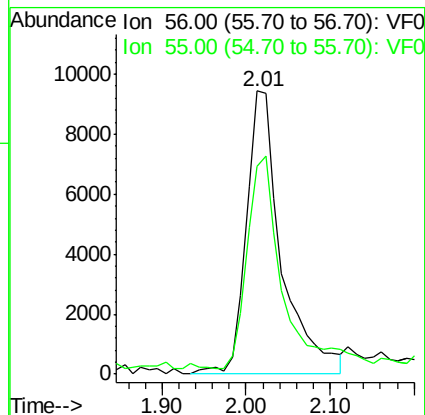
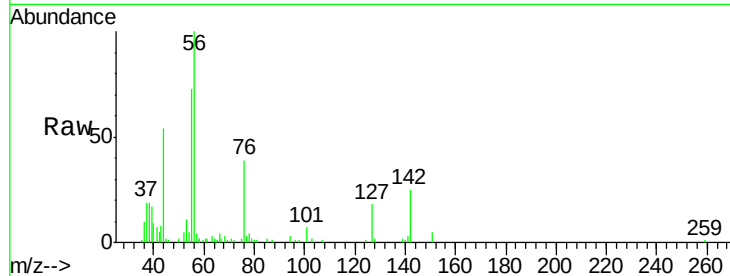
VSTDCCC050

Tot Ion: 56 Resp: 27765

Ion Ratio Lower Upper

56 100

55 73.5 57.5 86.3



#14

Allyl chloride

Concen: 68.085 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

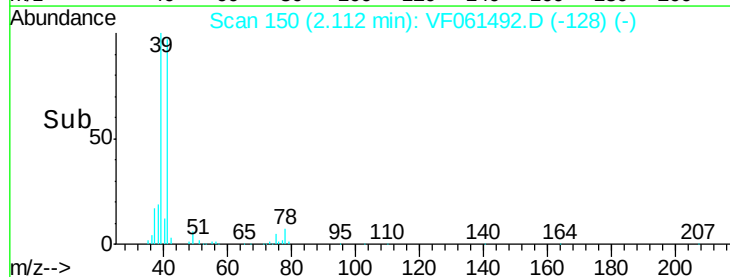
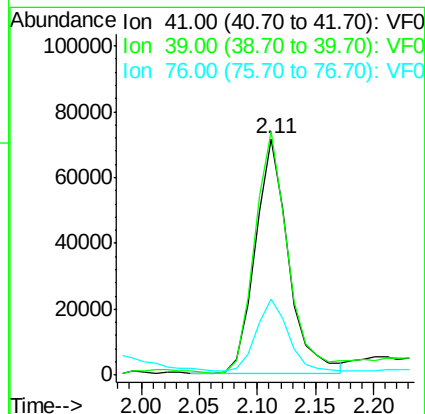
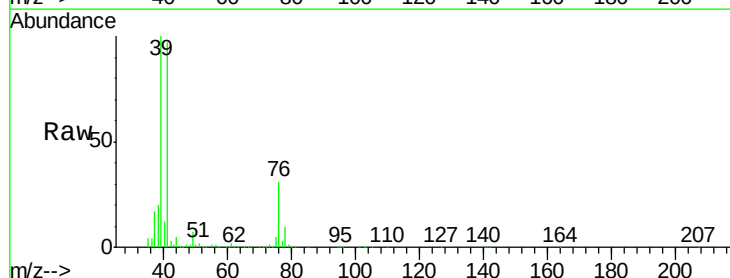
Tgt Ion: 41 Resp: 140884

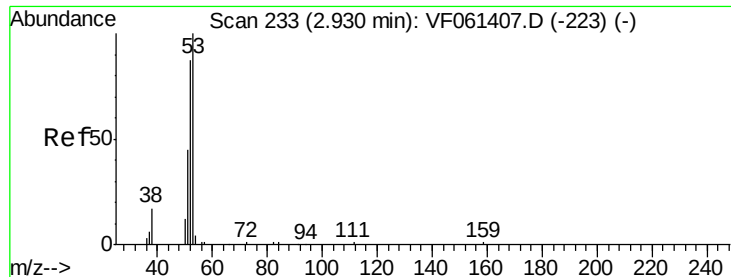
Ion Ratio Lower Upper

41 100

39 103.0 94.6 141.8

76 32.0 25.9 38.9





#15

Acrylonitrile

Concen: 241.560 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

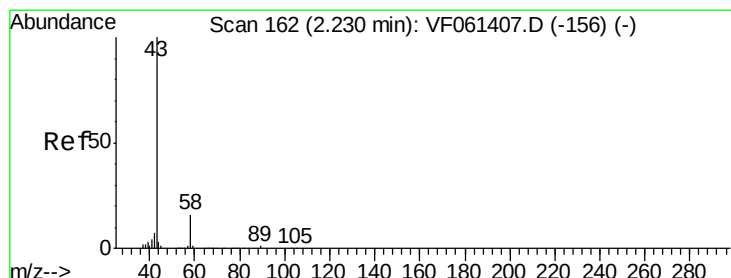
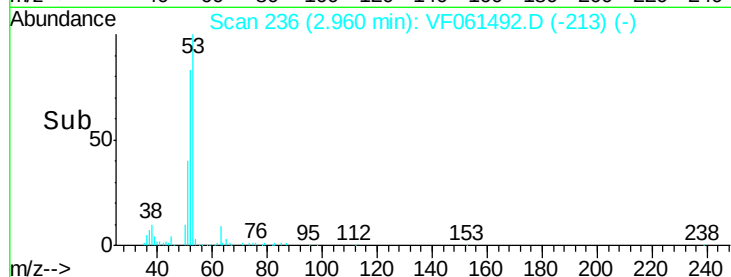
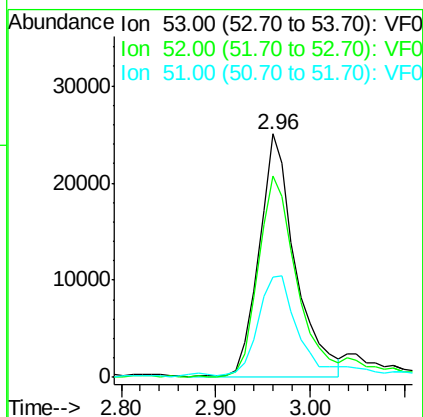
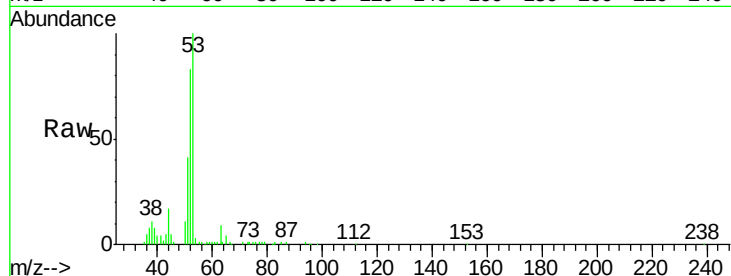
Tot Ion: 53 Resp: 67235

Ion Ratio Lower Upper

53 100

52 82.5 69.6 104.4

51 41.0 36.8 55.2



#16

Acetone

Concen: 294.057 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF061492.D

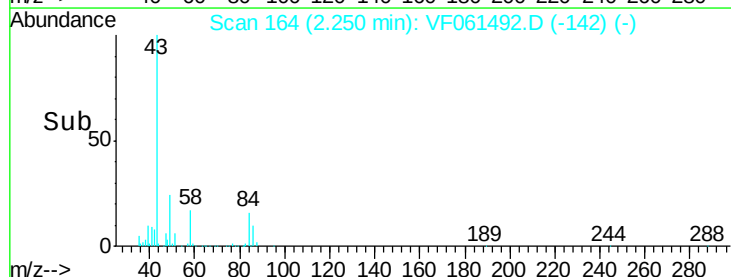
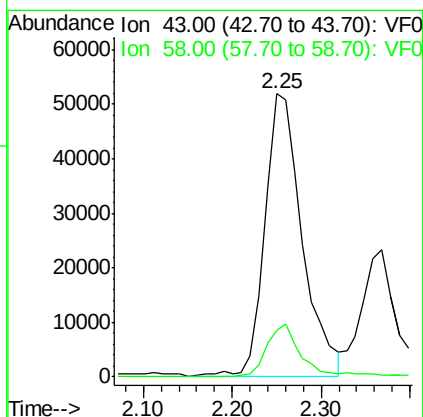
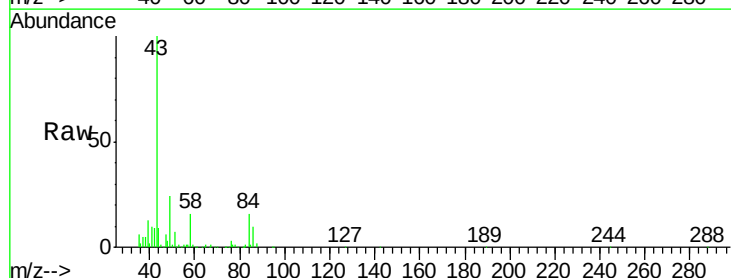
Acq: 24 Jan 2019 10:54

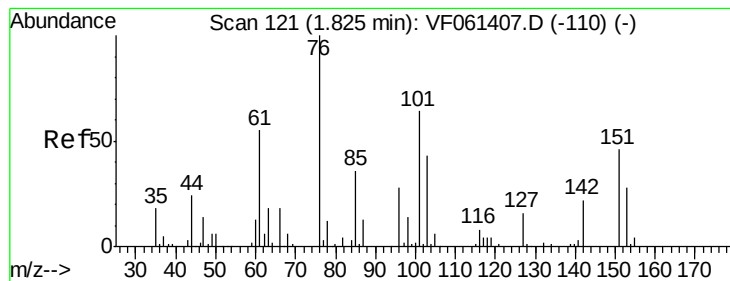
Tgt Ion: 43 Resp: 151438

Ion Ratio Lower Upper

43 100

58 16.3 13.3 19.9





#17

Carbon Disulfide

Concen: 40.973 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

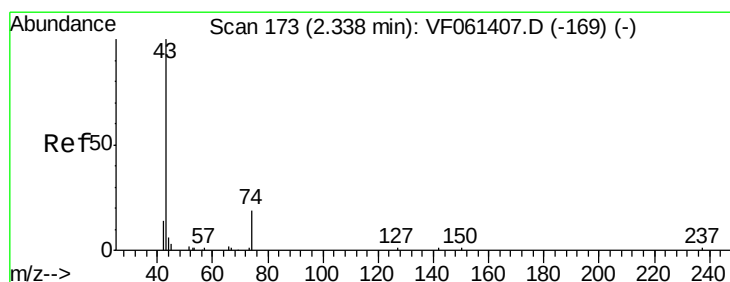
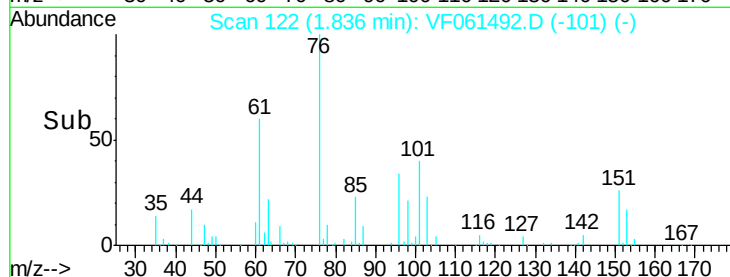
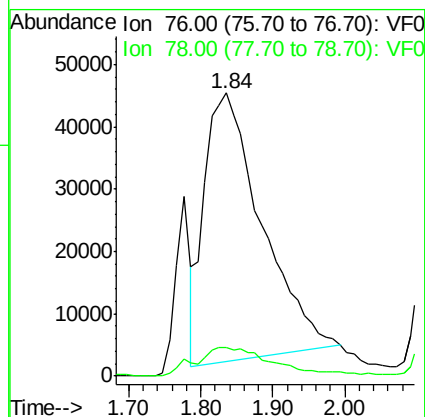
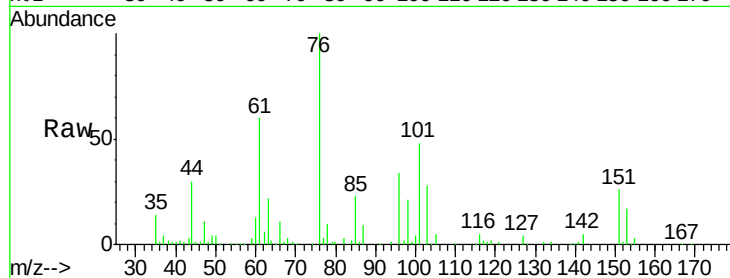
VSTDCCC050

Tot Ion: 76 Resp: 236261

Ion Ratio Lower Upper

76 100

78 10.0 9.6 14.4



#18

Methyl Acetate

Concen: 51.676 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.03 min

Lab File: VF061492.D

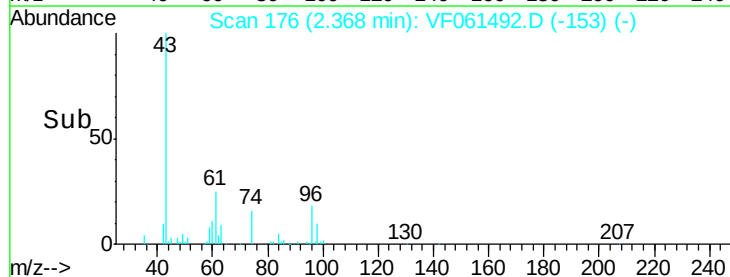
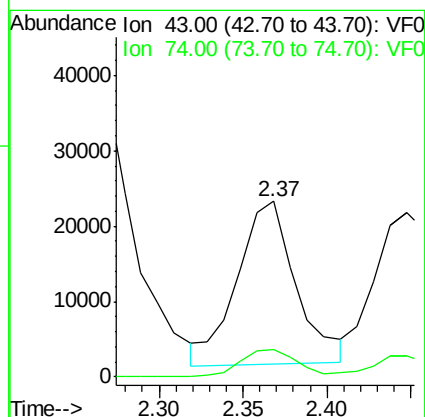
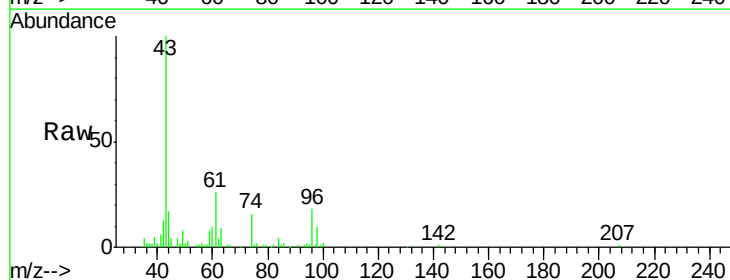
Acq: 24 Jan 2019 10:54

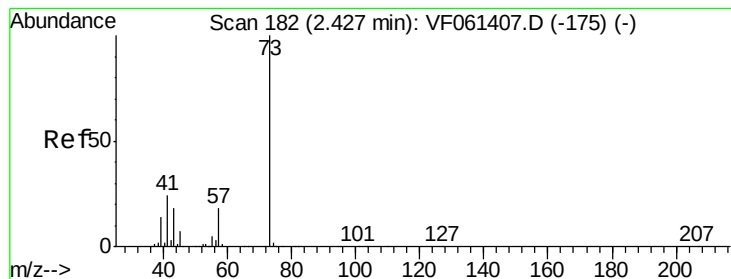
Tgt Ion: 43 Resp: 52778

Ion Ratio Lower Upper

43 100

74 15.9 13.4 20.0



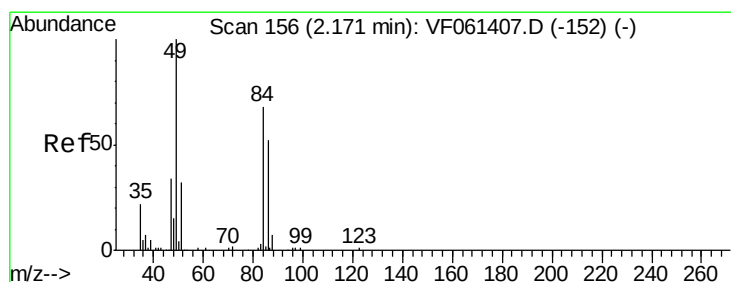
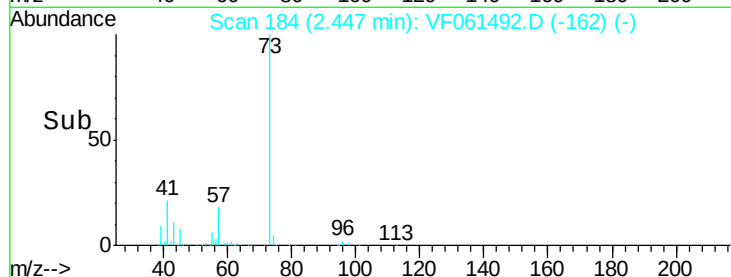
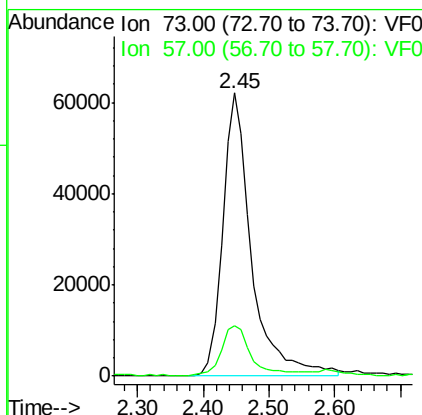
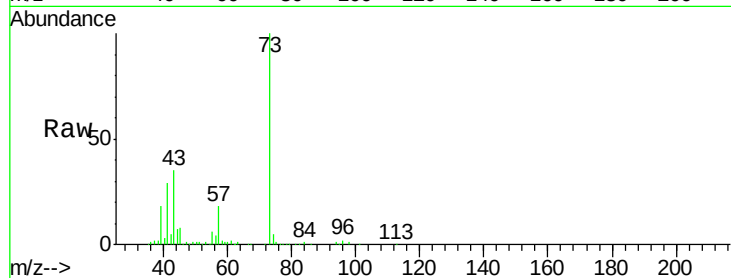


#19

Methyl tert-butyl Ether
 Concen: 45.710 ug/l
 RT: 2.45 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

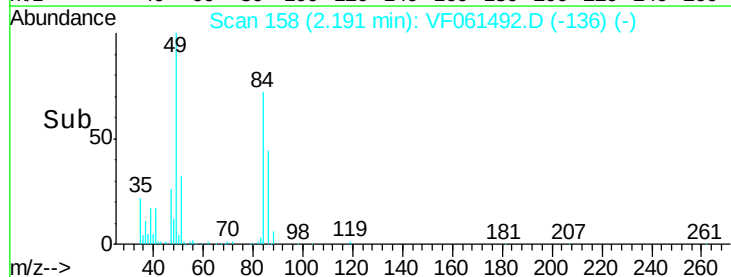
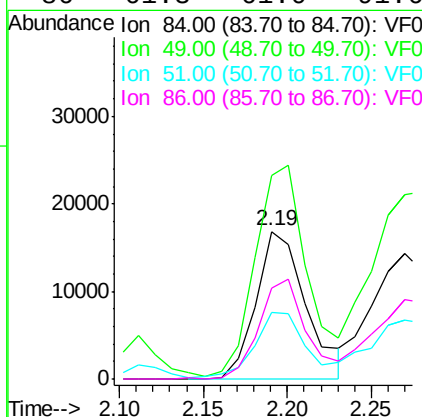
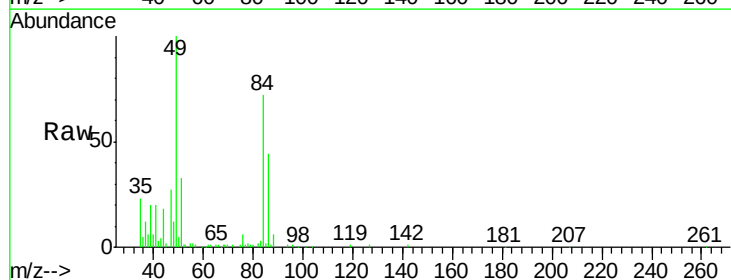
Tot Ion: 73 Resp: 189497
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.8 22.2

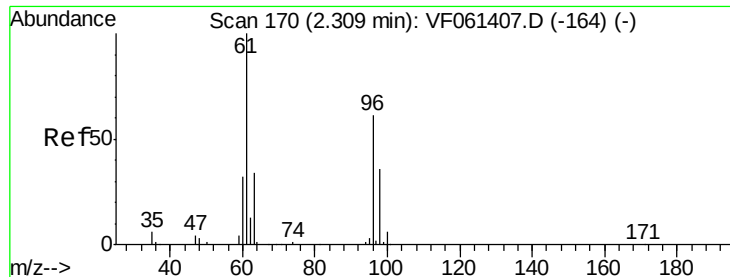


#20

Methylene Chloride
 Concen: 18.809 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion: 84 Resp: 34798
 Ion Ratio Lower Upper
 84 100
 49 138.0 120.0 180.0
 51 45.3 38.6 58.0
 86 61.3 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 51.253 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

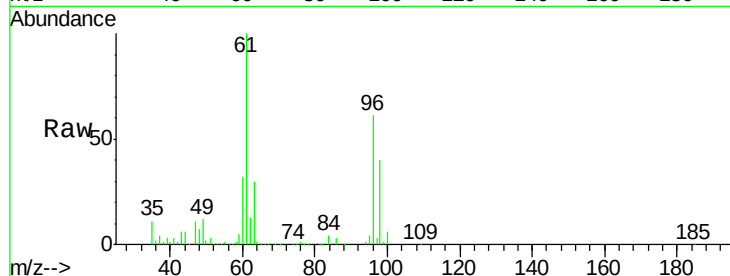
Tot Ion: 96 Resp: 104283

Ion Ratio Lower Upper

96 100

61 165.2 131.8 197.8

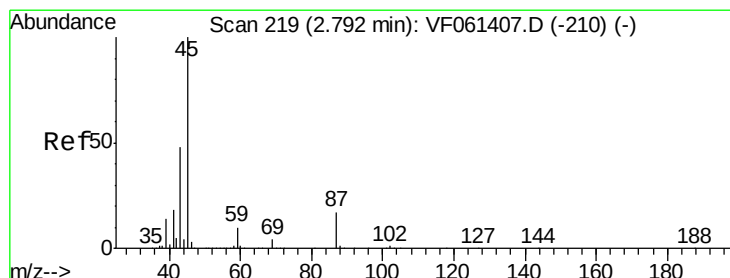
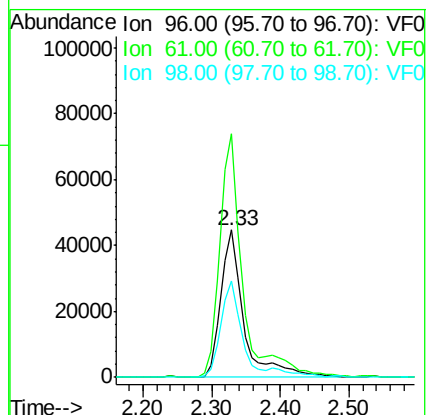
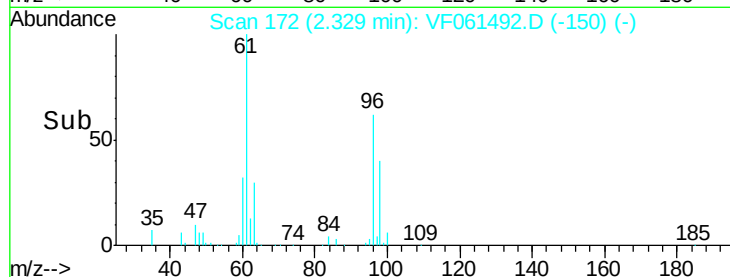
98 65.4 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 49.605 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion: 45 Resp: 326452

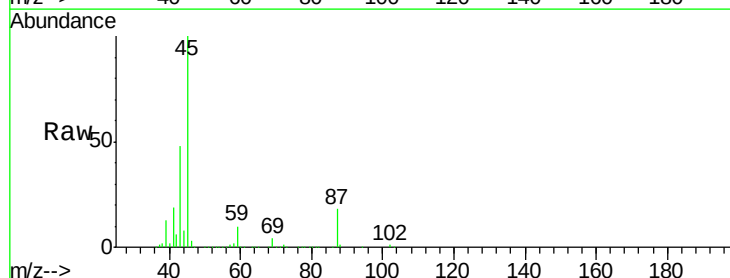
Ion Ratio Lower Upper

45 100

43 47.7 39.0 58.6

87 17.6 13.9 20.9

59 9.6 7.8 11.6

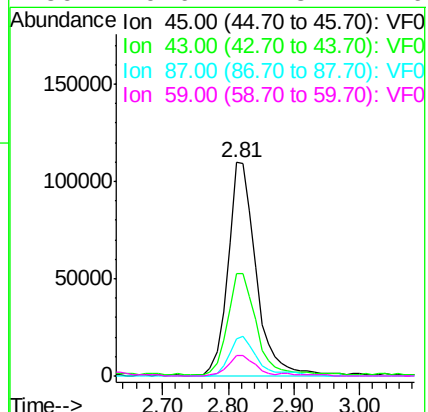
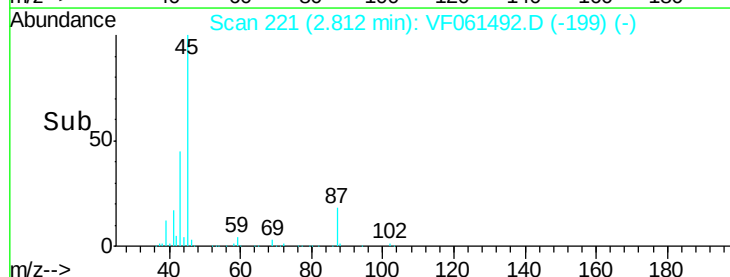


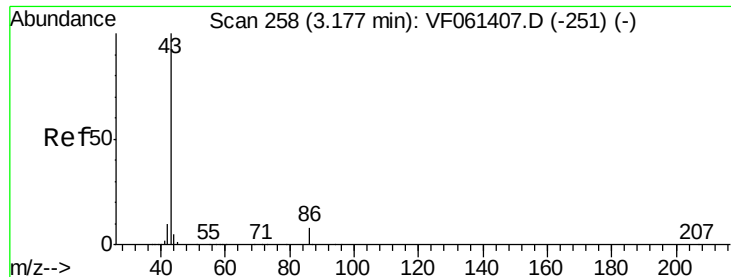
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 255.348 ug/l

RT: 3.21 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

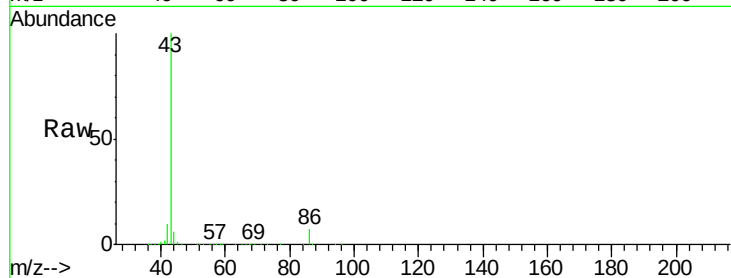
VSTDCCC050

Tot Ion: 43 Resp: 739343

Ion Ratio Lower Upper

43 100

86 7.2 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.21

250000

200000

150000

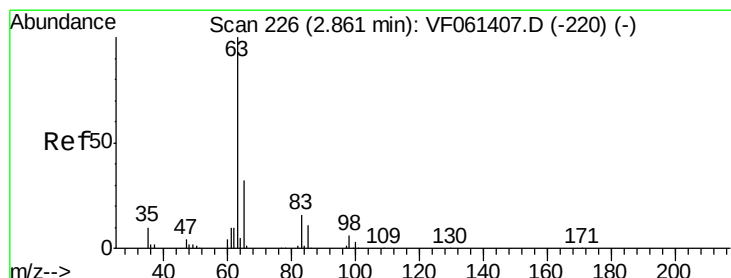
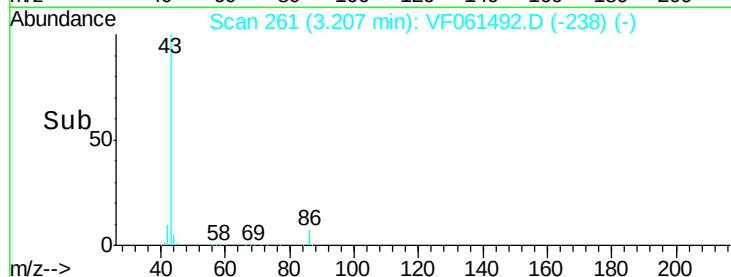
100000

50000

0

Time-->

3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 49.179 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

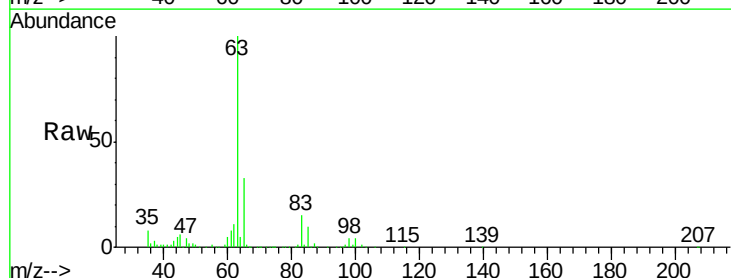
Tgt Ion: 63 Resp: 203129

Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.8

100 3.6 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.89

100000

80000

60000

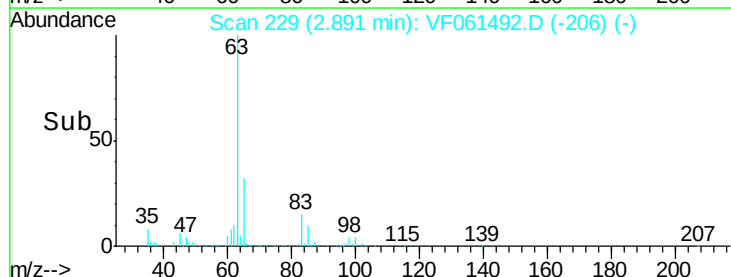
40000

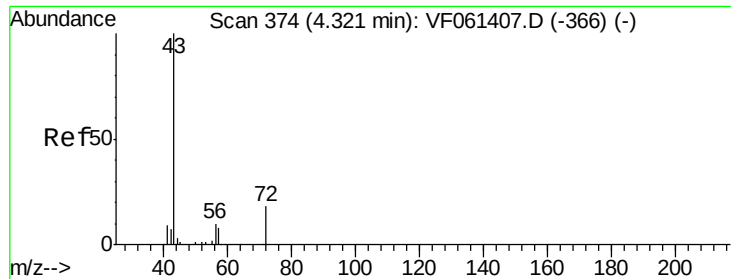
20000

0

Time-->

2.80 2.90 3.00





#25

2-Butanone

Concen: 282.406 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

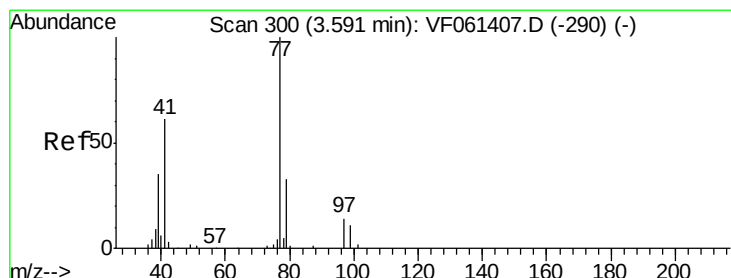
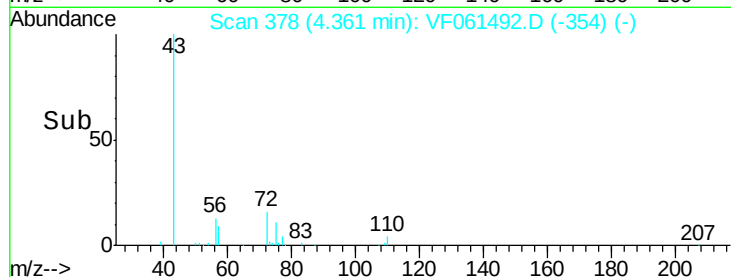
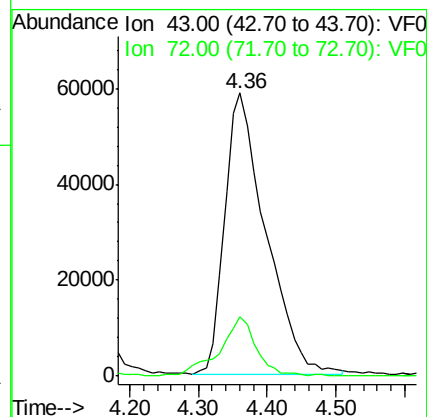
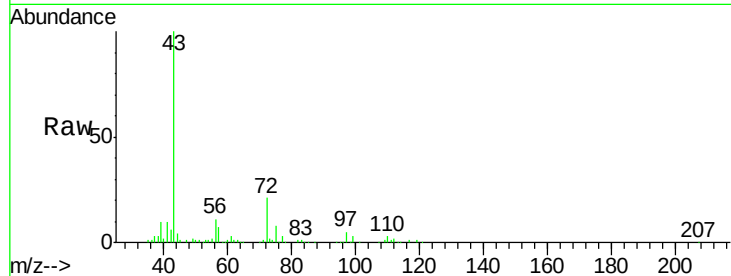
VSTDCCC050

Tot Ion: 43 Resp: 241857

Ion Ratio Lower Upper

43 100

72 21.0 15.8 23.6



#26

2,2-Dichloropropane

Concen: 44.777 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.03 min

Lab File: VF061492.D

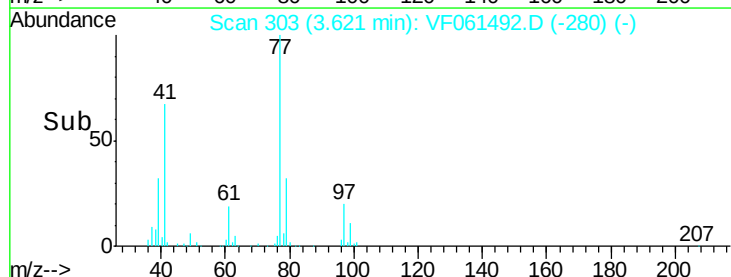
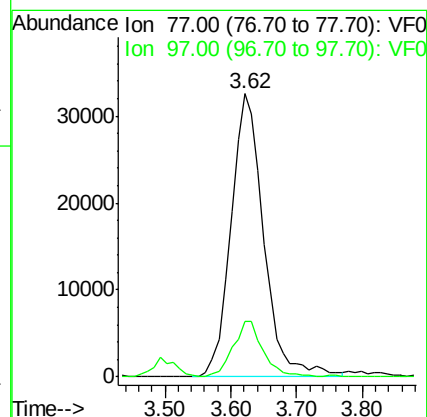
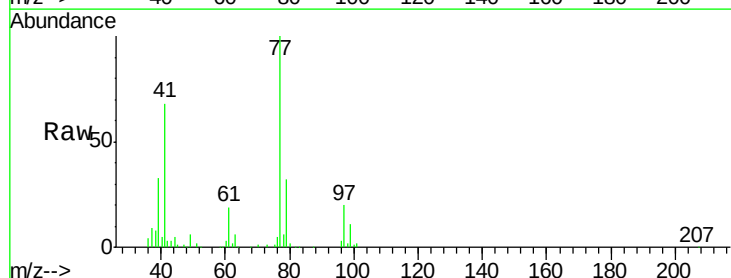
Acq: 24 Jan 2019 10:54

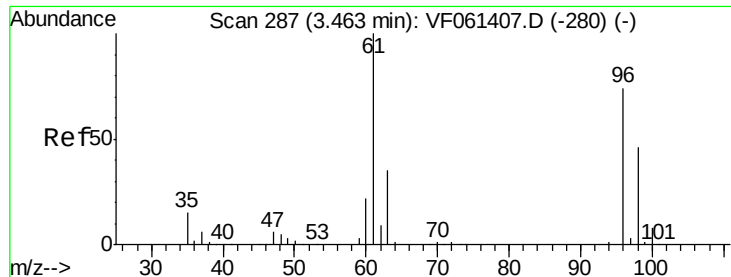
Tgt Ion: 77 Resp: 113631

Ion Ratio Lower Upper

77 100

97 19.8 8.5 25.5



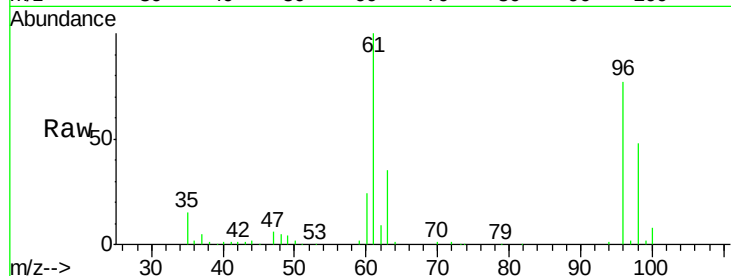


#27

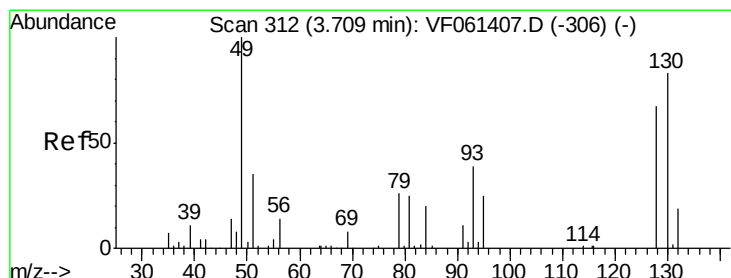
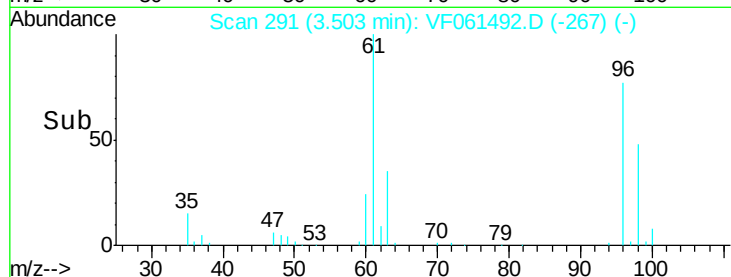
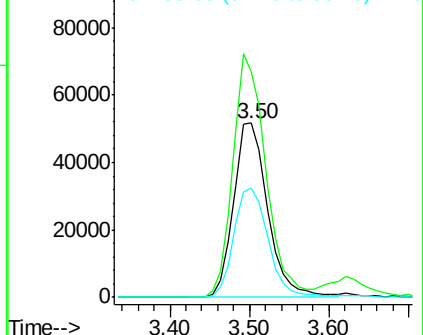
cis-1,2-Dichloroethene
Concen: 51.426 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	154457
Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	270.2
98	62.6	0.0	124.0



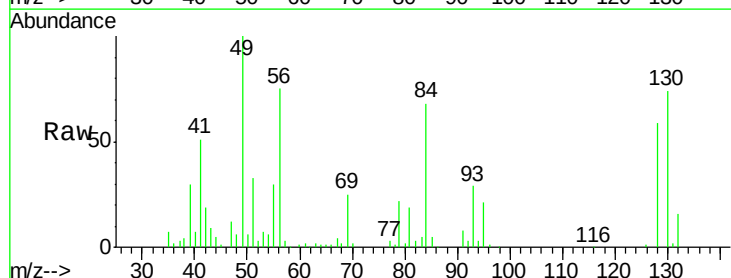
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



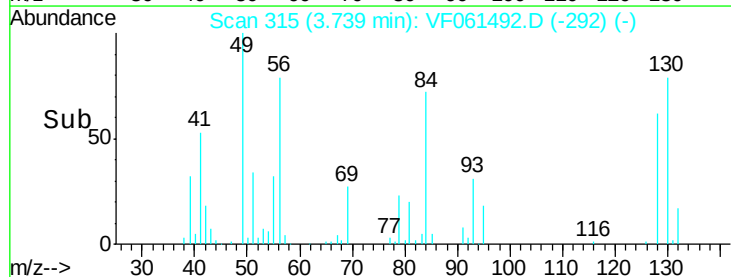
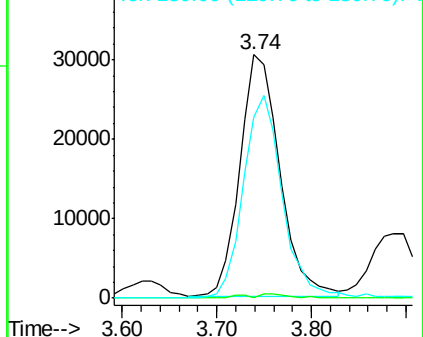
#28

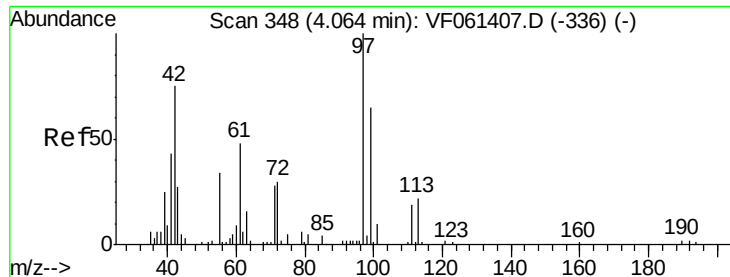
Bromochloromethane
Concen: 47.938 ug/l
RT: 3.74 min Scan# 315
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion	49	Resp	89003
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	74.2	65.4	98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 244.314 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

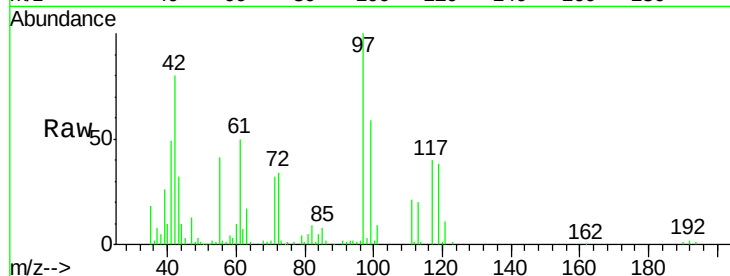
Tot Ion: 42 Resp: 90095

Ion Ratio Lower Upper

42 100

72 39.8 28.9 43.3

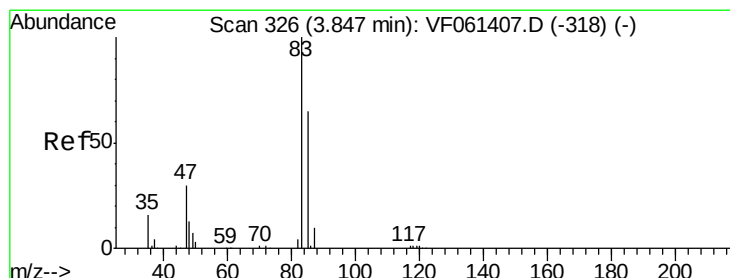
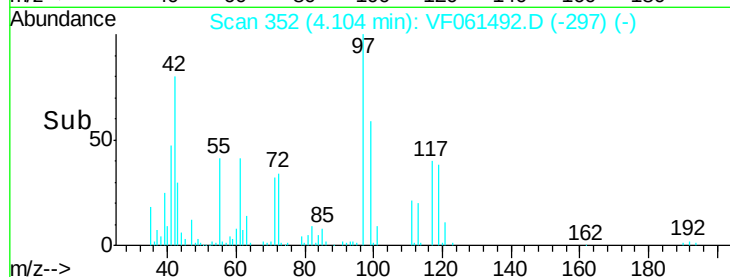
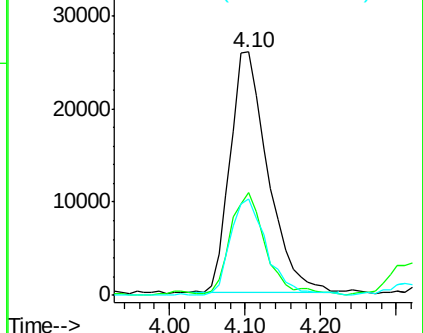
71 38.5 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 48.546 ug/l

RT: 3.89 min Scan# 330

Delta R.T. 0.04 min

Lab File: VF061492.D

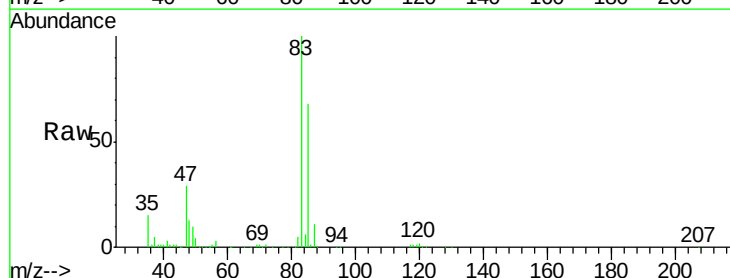
Acq: 24 Jan 2019 10:54

Tgt Ion: 83 Resp: 270611

Ion Ratio Lower Upper

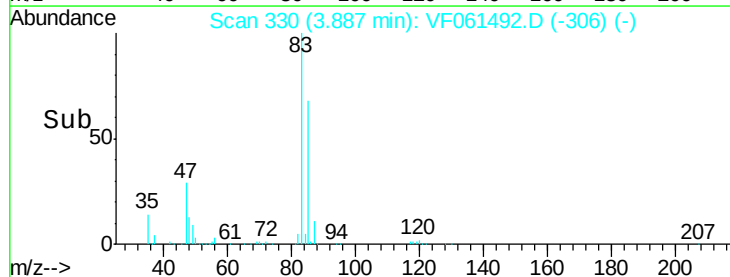
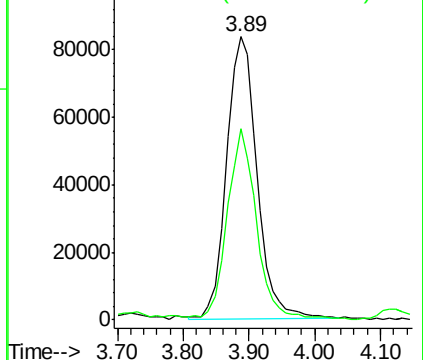
83 100

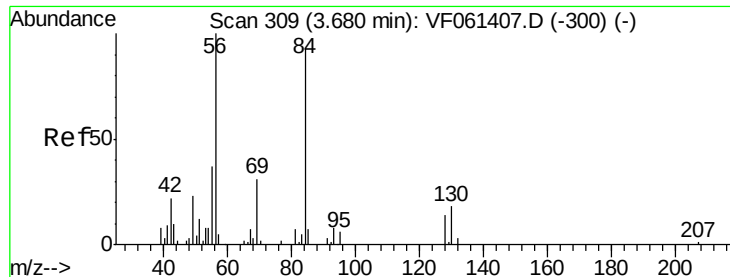
85 67.7 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

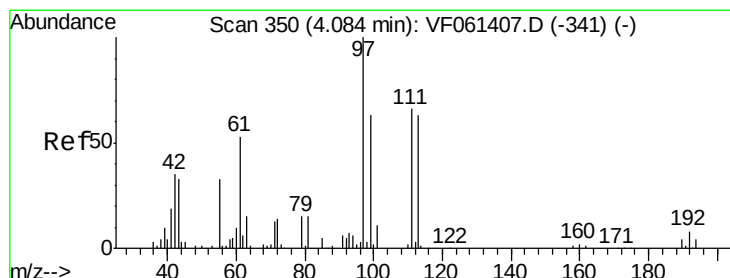
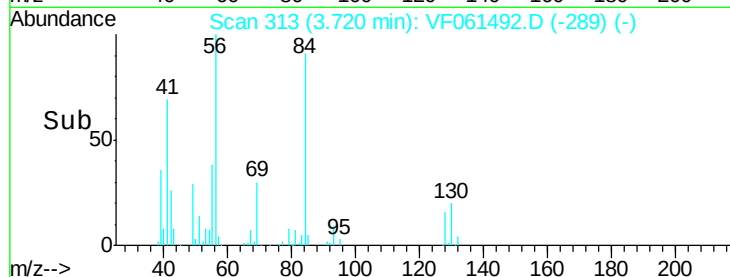
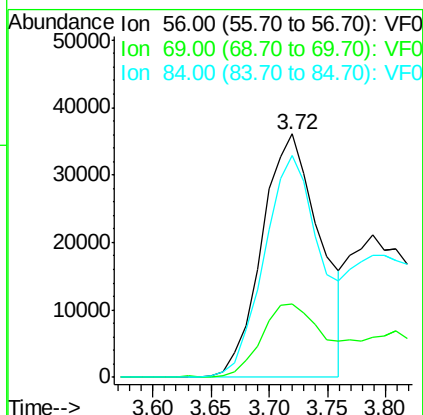
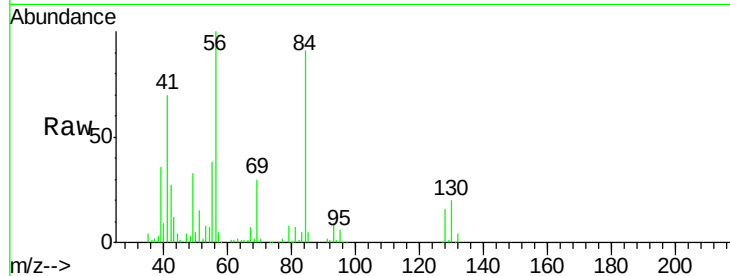




#31
Cyclohexane
Concen: 30.415 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

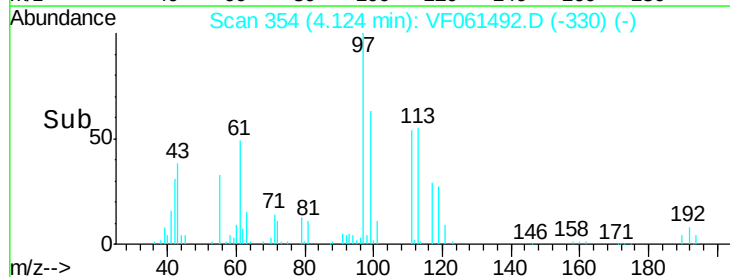
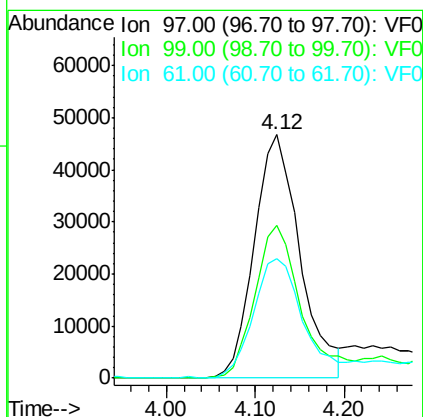
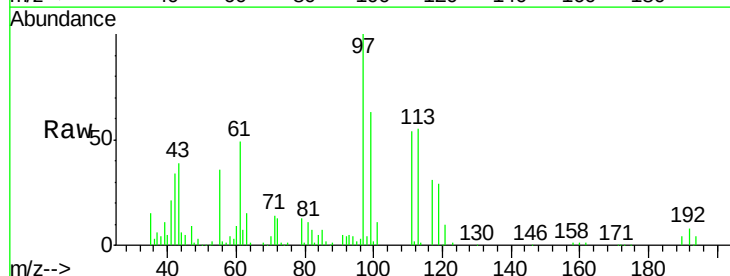
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

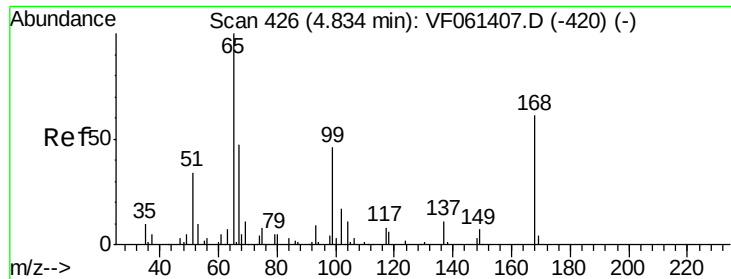
Tot Ion: 56 Resp: 125489
Ion Ratio Lower Upper
56 100
69 30.0 24.6 36.8
84 91.0 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 40.704 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 97 Resp: 166367
Ion Ratio Lower Upper
97 100
99 62.8 50.1 75.1
61 48.8 43.1 64.7

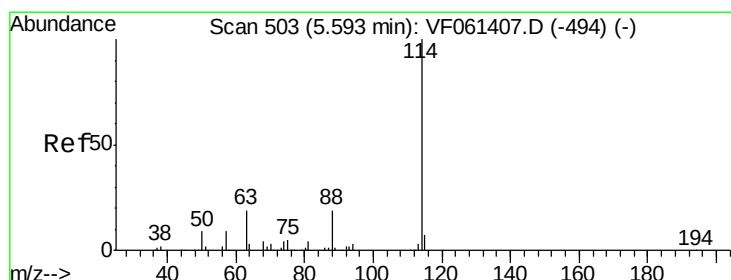
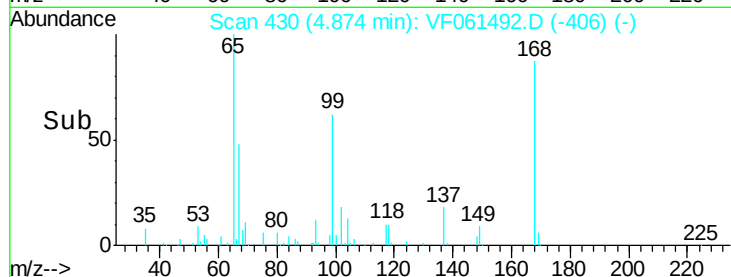
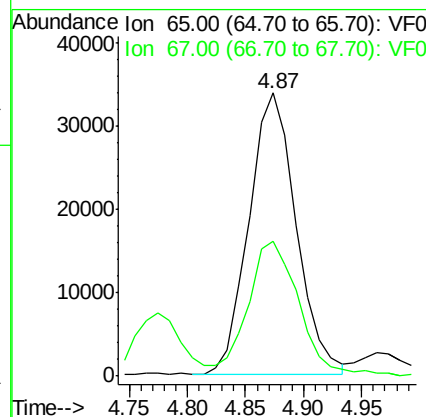
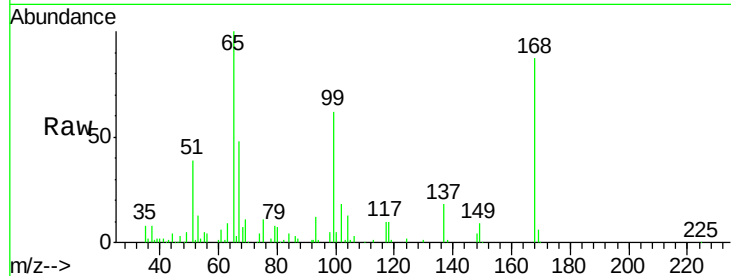




#33
 1,2-Dichloroethane-d4
 Concen: 36.956 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.04 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

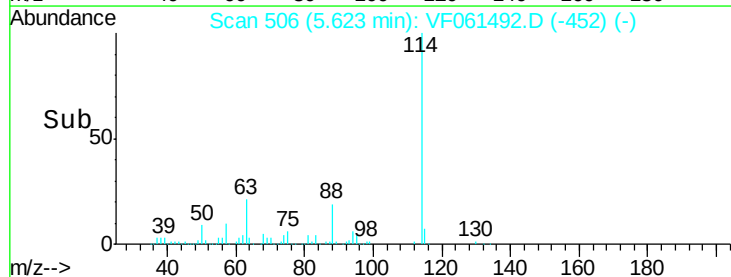
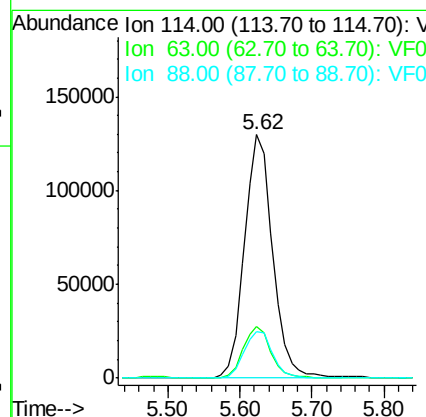
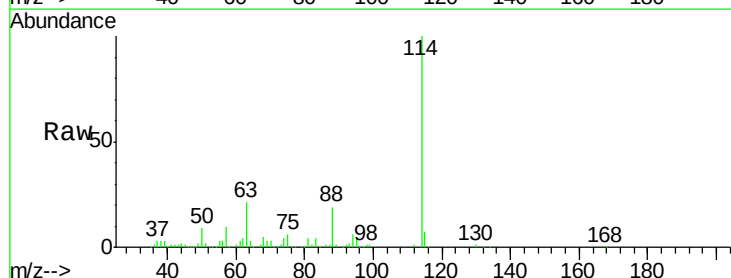
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

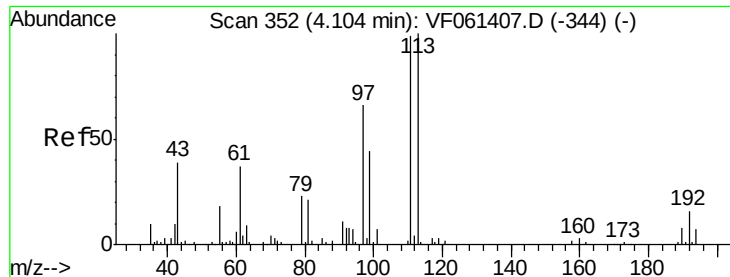
Tot Ion: 65 Resp: 94870
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion: 114 Resp: 355541
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 19.2 0.0 37.4





#35

Dibromofluoromethane

Concen: 41.359 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

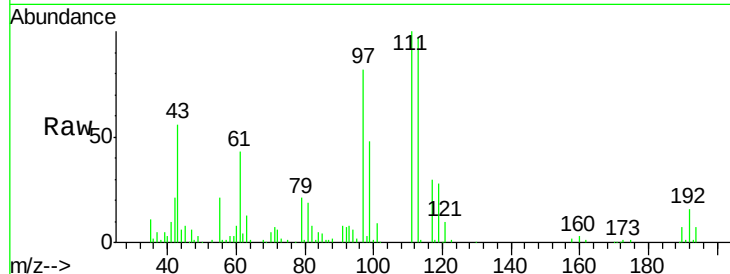
Tot Ion:113 Resp: 116035

Ion Ratio Lower Upper

113 100

111 102.9 79.4 119.0

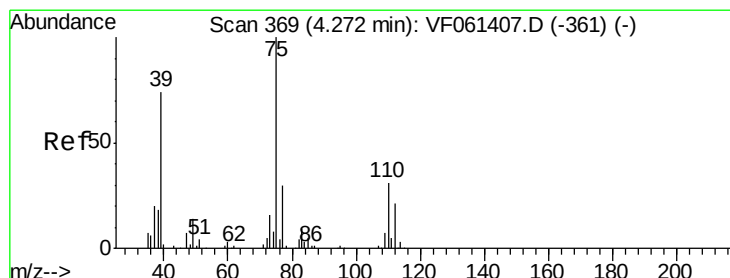
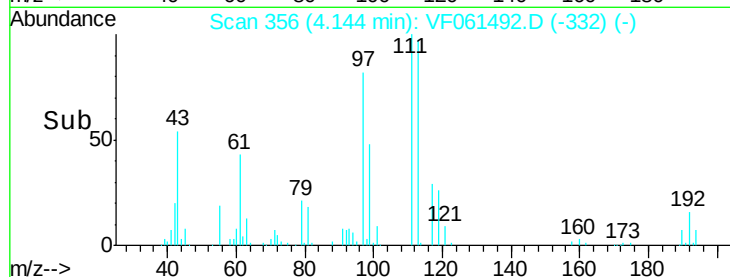
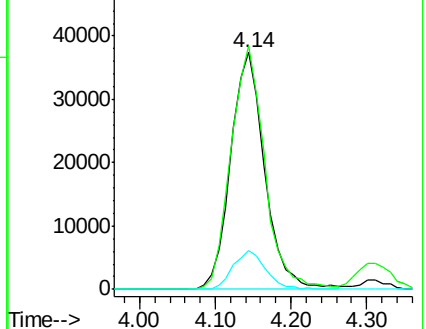
192 16.3 12.4 18.6



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: 53.877 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

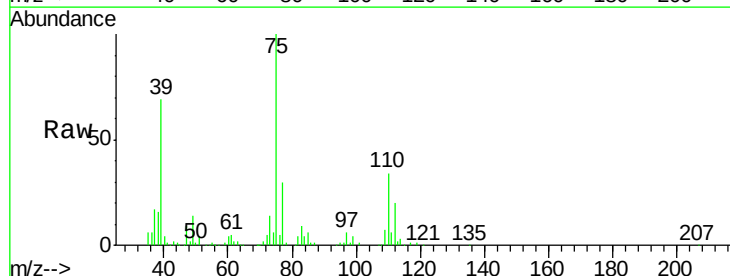
Tgt Ion: 75 Resp: 222097

Ion Ratio Lower Upper

75 100

110 33.7 15.8 47.3

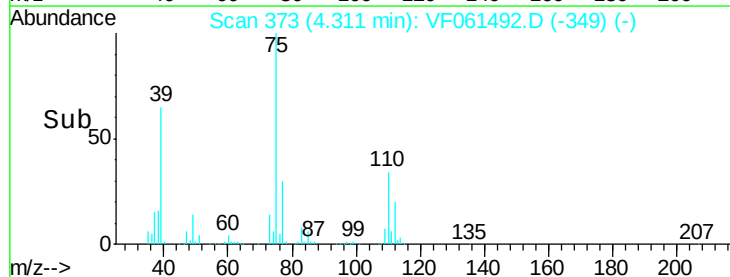
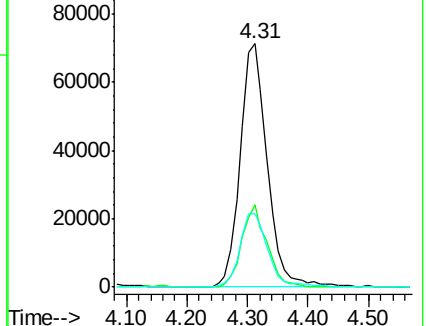
77 30.1 24.0 36.0

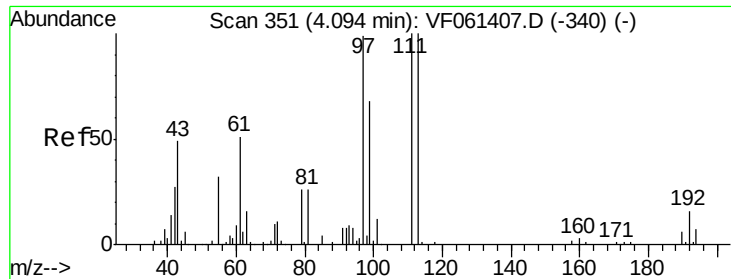


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 53.231 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

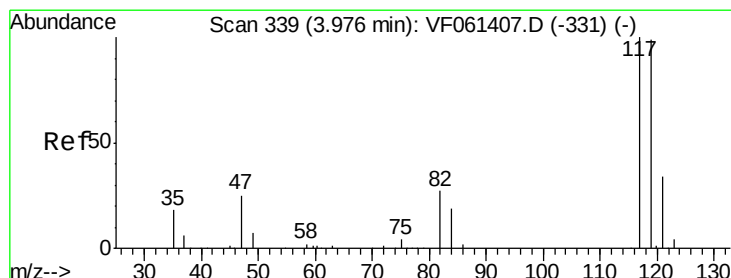
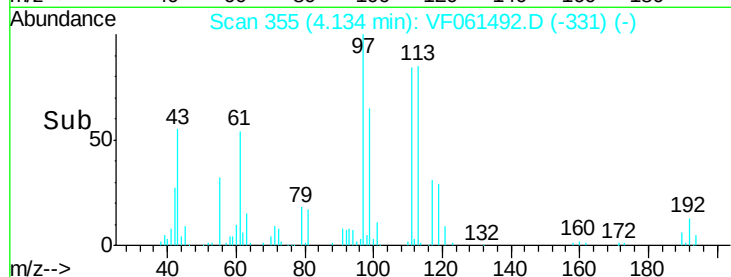
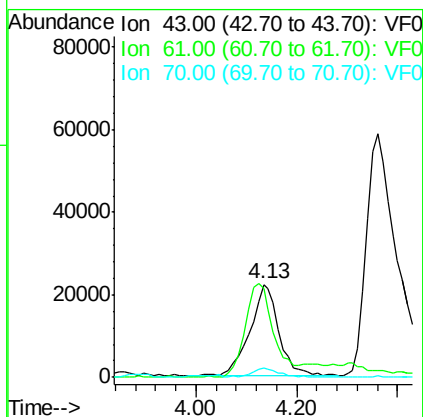
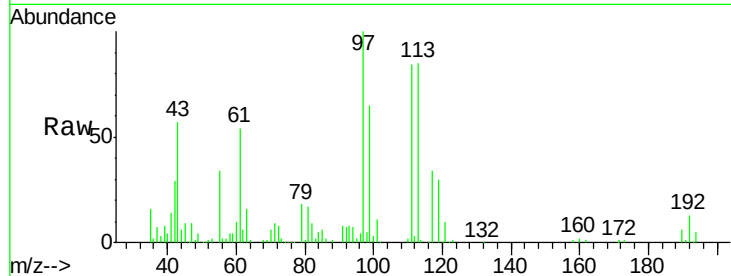
Tot Ion: 43 Resp: 87716

Ion Ratio Lower Upper

43 100

61 95.2 81.7 122.5

70 10.4 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 46.575 ug/l

RT: 4.02 min Scan# 343

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

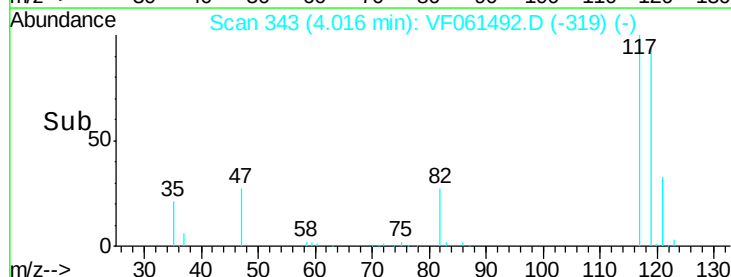
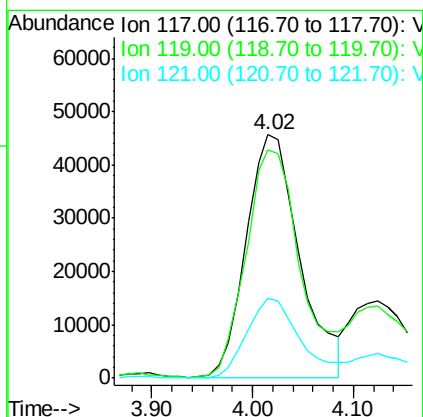
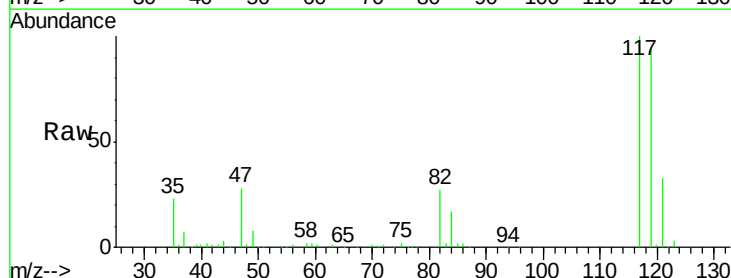
Tgt Ion: 117 Resp: 167852

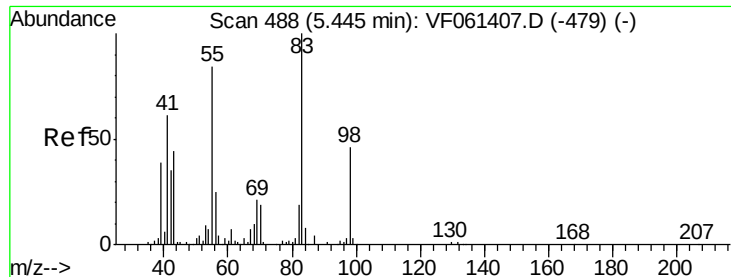
Ion Ratio Lower Upper

117 100

119 93.9 79.0 118.6

121 32.6 27.0 40.6

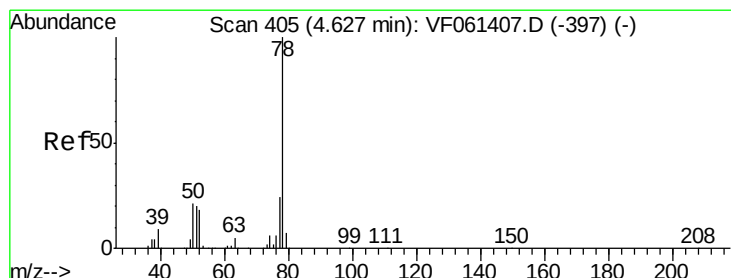
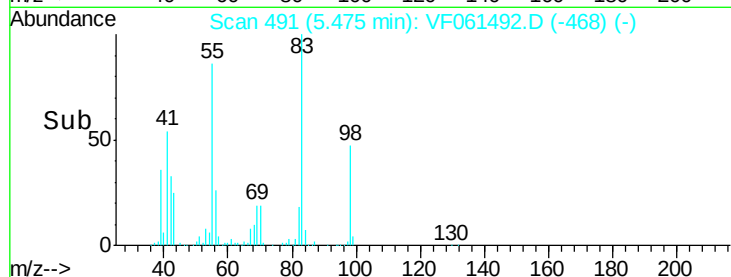
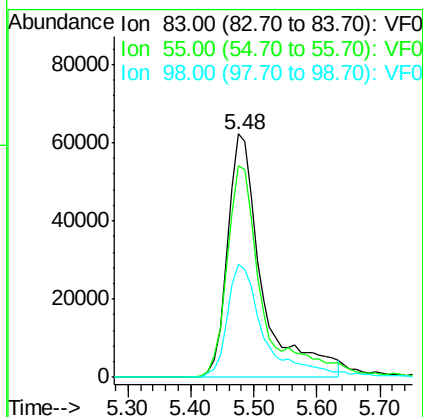
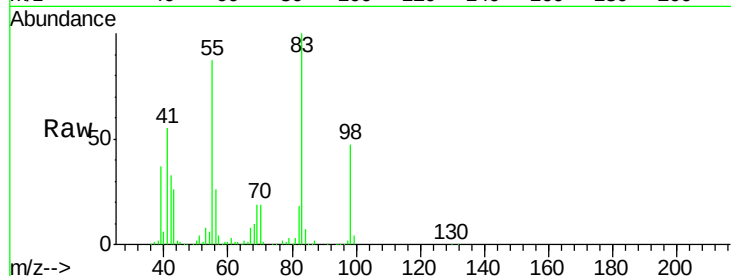




#39
Methylvlcyclohexane
Concen: 52.894 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

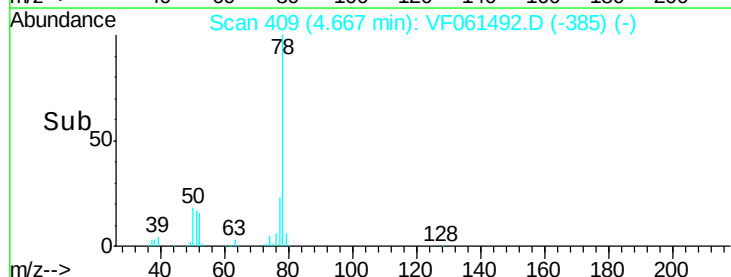
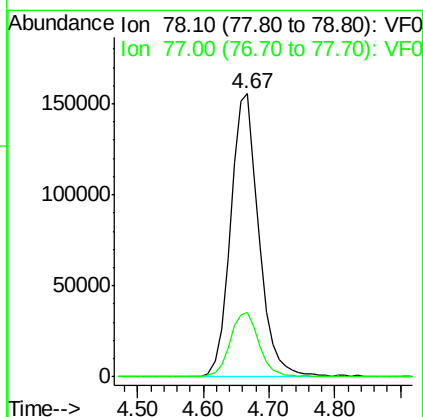
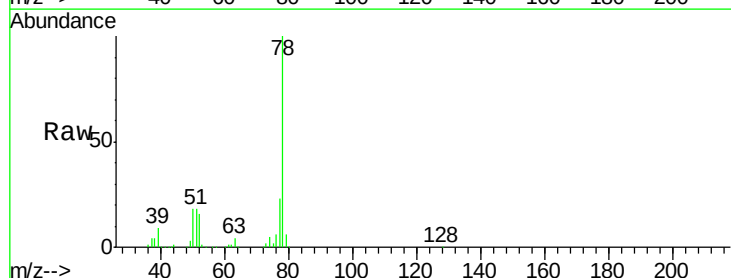
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

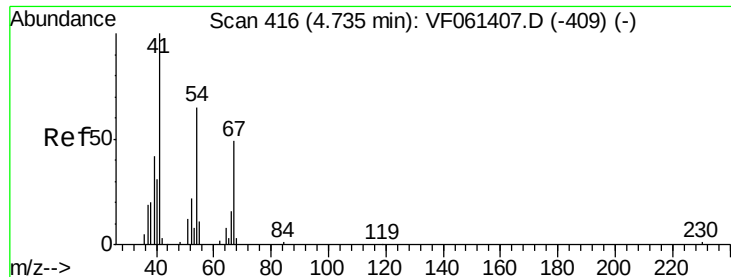
Tot Ion: 83 Resp: 236298
Ion Ratio Lower Upper
83 100
55 86.8 67.4 101.2
98 46.6 36.7 55.1



#40
Benzene
Concen: 51.113 ug/l
RT: 4.67 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 78 Resp: 468857
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6





#41

Methacrylonitrile

Concen: 49.175 ug/l

RT: 4.78 min Scan# 420

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 43117

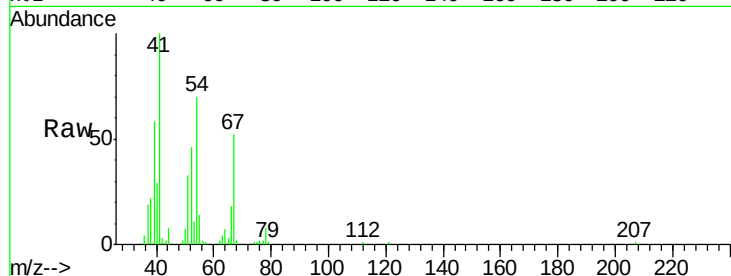
Ion Ratio Lower Upper

41 100

39 57.5 43.1 64.7

67 52.0 38.8 58.2

52 45.5 33.2 49.8

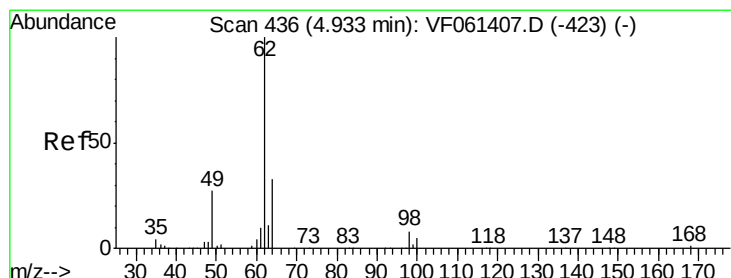
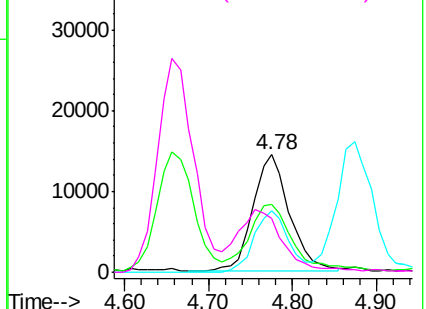
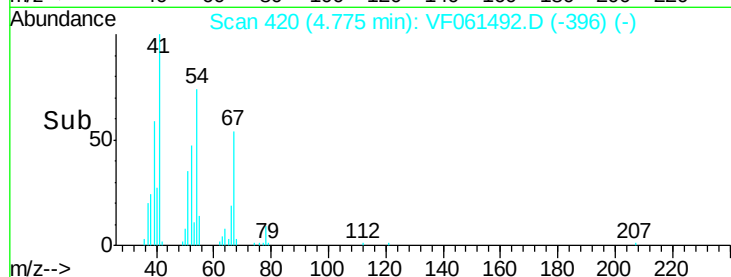


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 49.603 ug/l

RT: 4.97 min Scan# 440

Delta R.T. 0.04 min

Lab File: VF061492.D

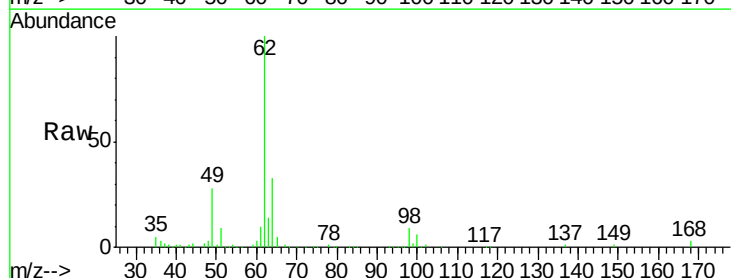
Acq: 24 Jan 2019 10:54

Tgt Ion: 62 Resp: 162138

Ion Ratio Lower Upper

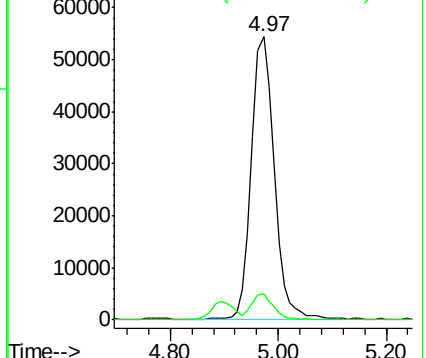
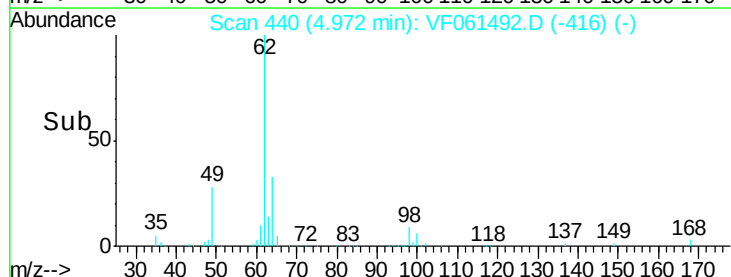
62 100

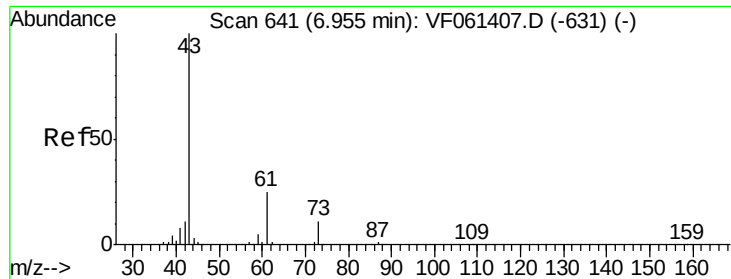
98 9.1 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 54.033 ug/l

RT: 6.98 min Scan# 644

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

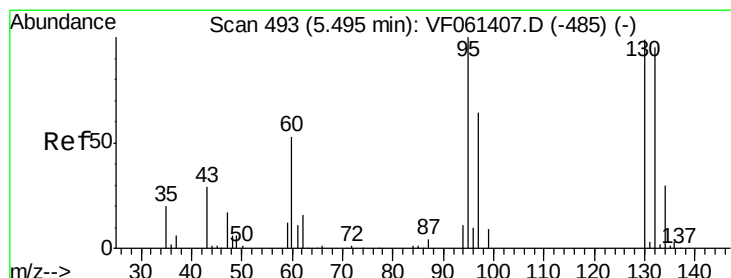
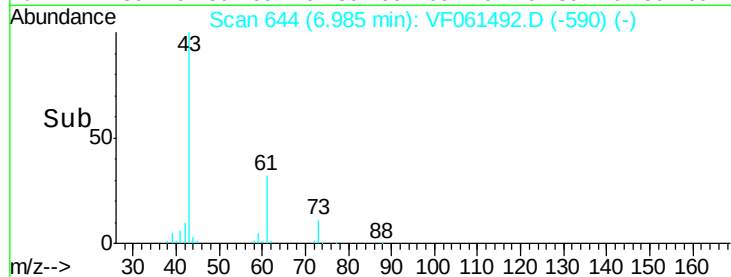
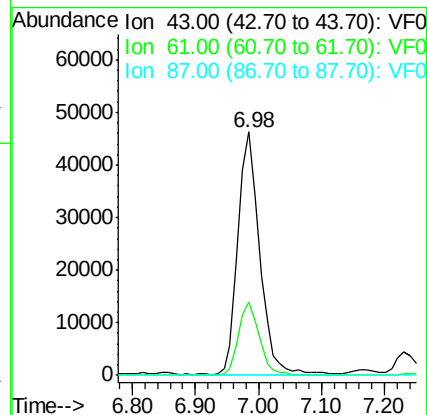
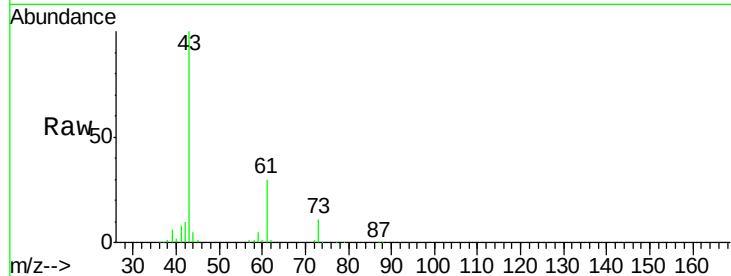
Tot Ion: 43 Resp: 111748

Ion Ratio Lower Upper

43 100

61 30.4 20.3 30.5

87 0.3 0.5 0.7#



#44

Trichloroethene

Concen: 53.549 ug/l

RT: 5.53 min Scan# 497

Delta R.T. 0.04 min

Lab File: VF061492.D

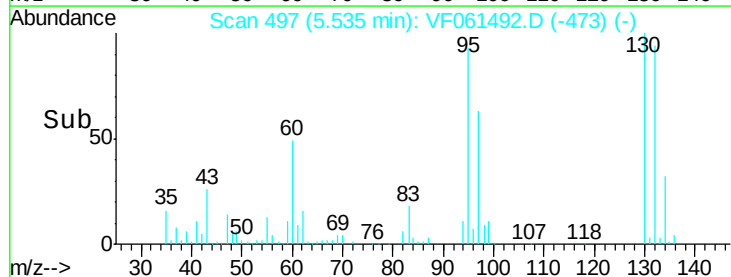
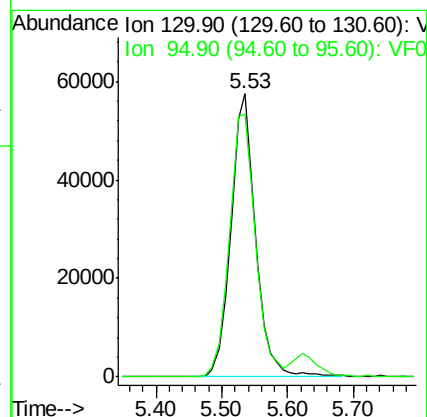
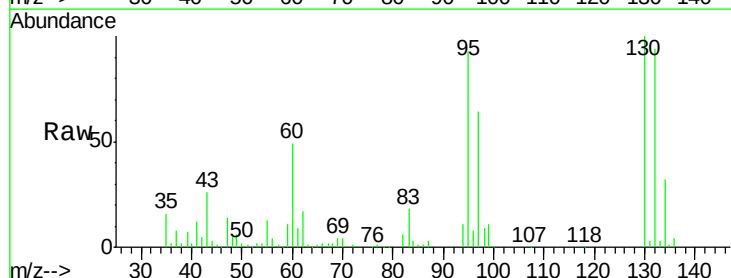
Acq: 24 Jan 2019 10:54

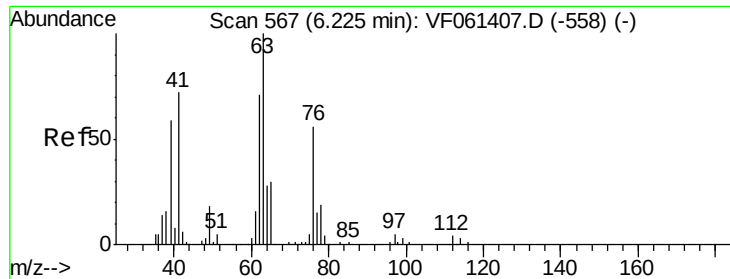
Tgt Ion:130 Resp: 150682

Ion Ratio Lower Upper

130 100

95 92.8 0.0 202.8

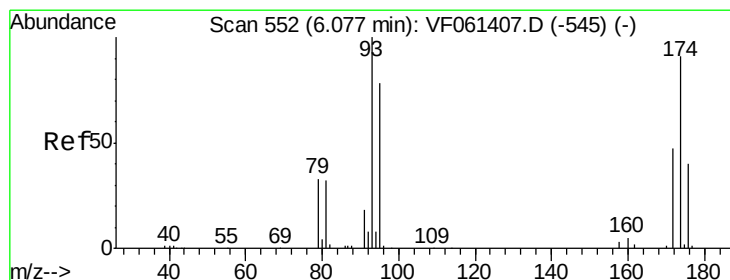
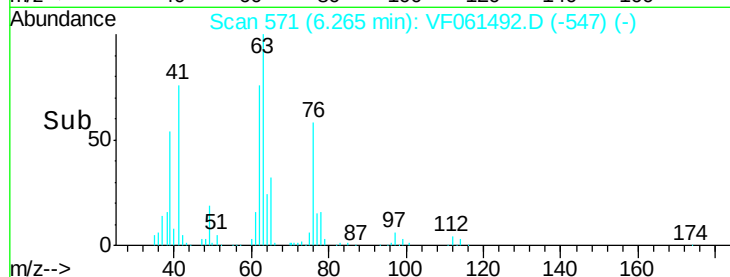
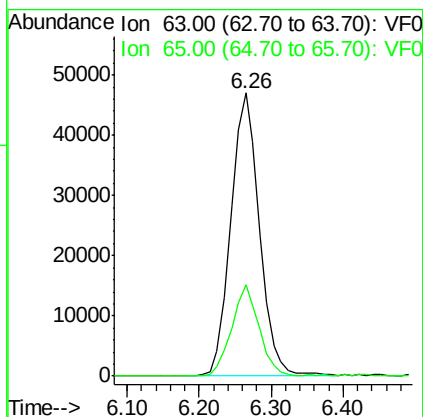
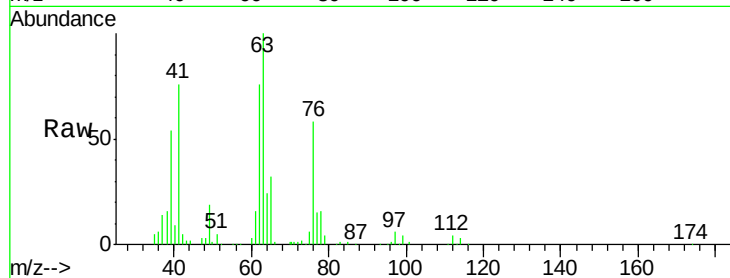




#45
 1,2-Dichloropropane
 Concen: 53.975 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. 0.04 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

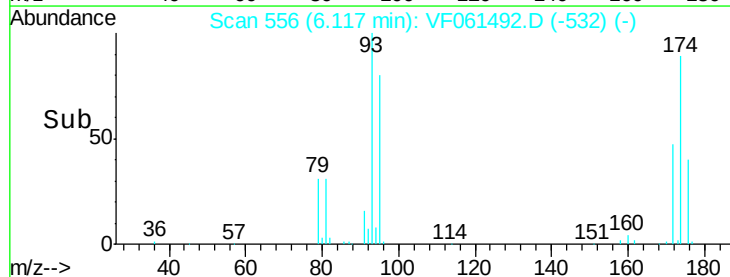
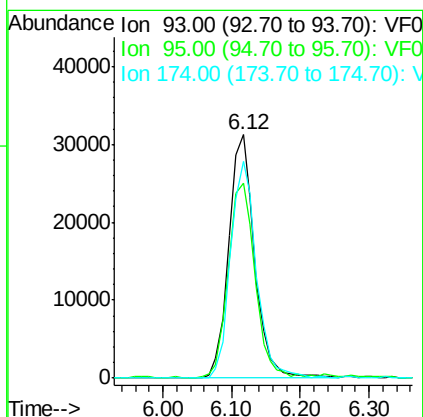
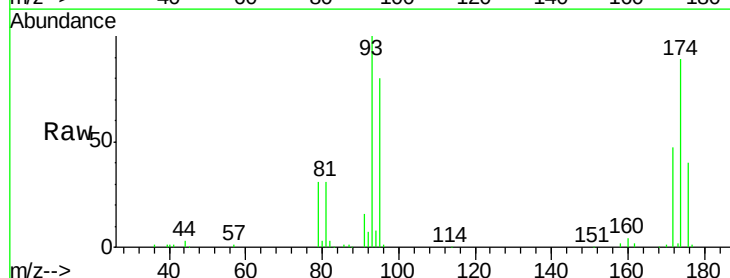
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

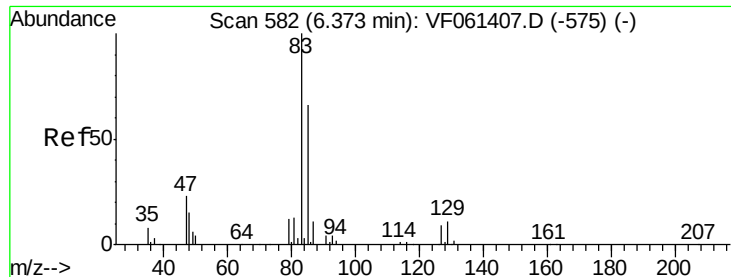
Tot Ion: 63 Resp: 129943
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.4 36.6



#46
 Dibromomethane
 Concen: 50.718 ug/l
 RT: 6.12 min Scan# 556
 Delta R.T. 0.04 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion: 93 Resp: 81189
 Ion Ratio Lower Upper
 93 100
 95 80.2 62.1 93.1
 174 89.0 74.6 111.8





#47

Bromodichloromethane

Concen: 52.440 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

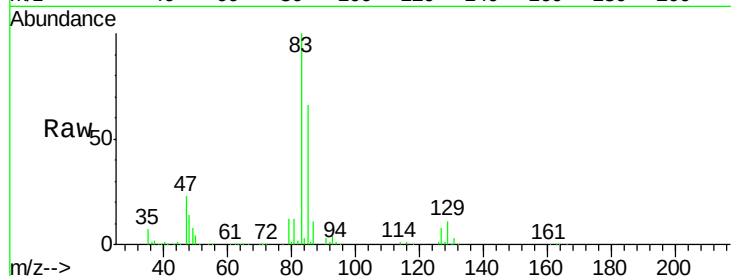
Tot Ion: 83 Resp: 207698

Ion Ratio Lower Upper

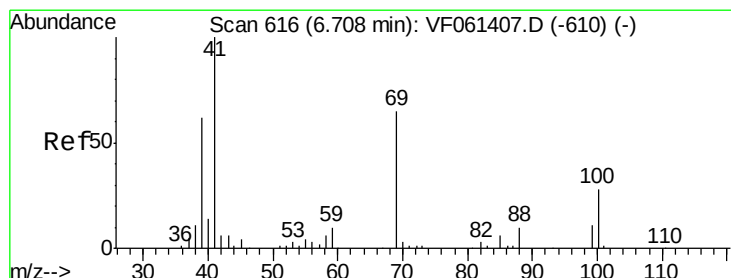
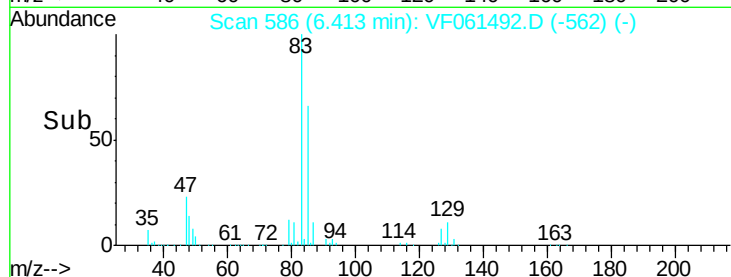
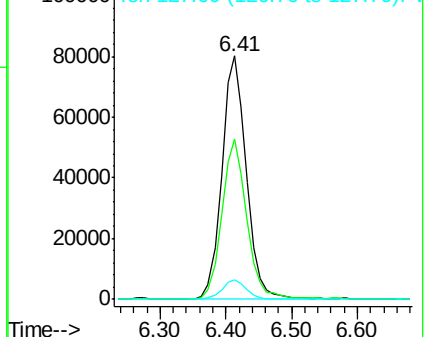
83 100

85 65.7 53.0 79.4

127 8.1 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 52.202 ug/l

RT: 6.74 min Scan# 619

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

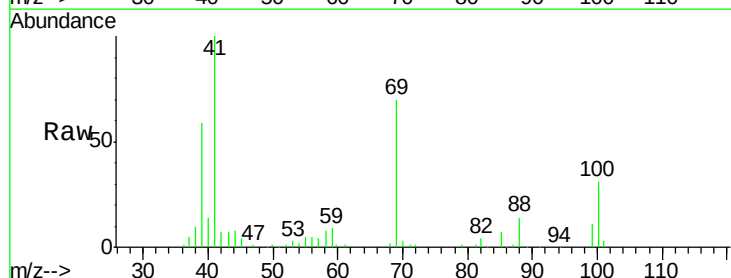
Tgt Ion: 41 Resp: 72496

Ion Ratio Lower Upper

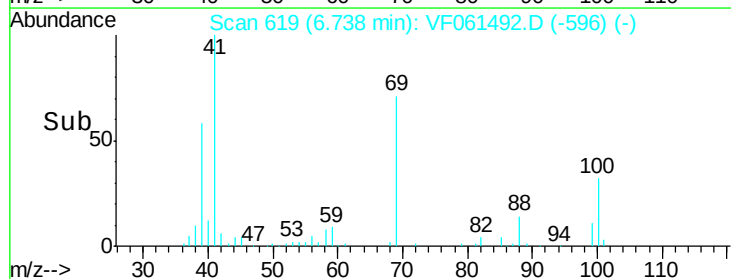
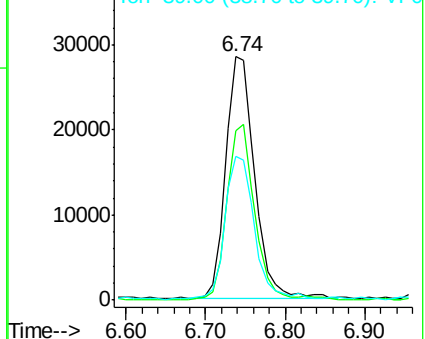
41 100

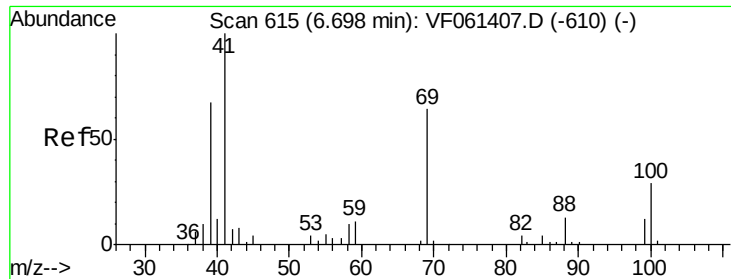
69 69.6 51.7 77.5

39 58.9 49.2 73.8



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: 1056.854 ug/l

RT: 6.74 min Scan# 619

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

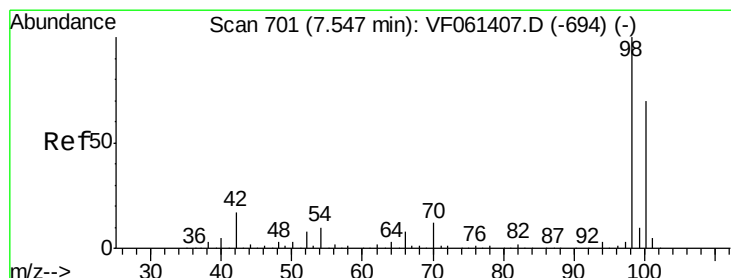
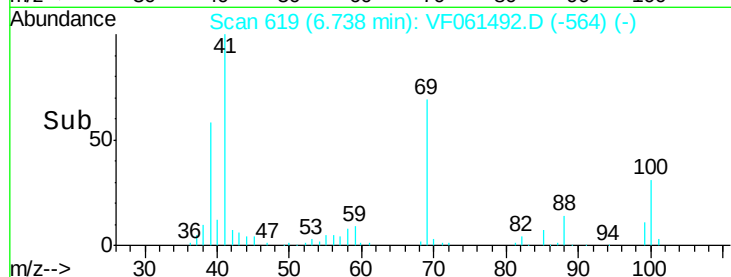
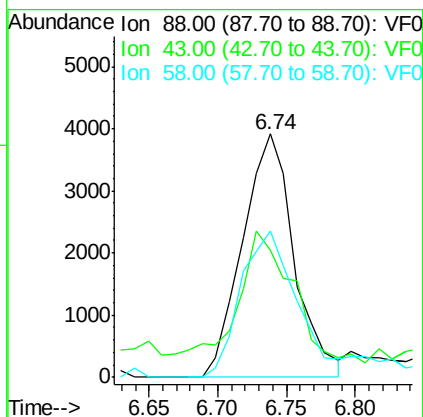
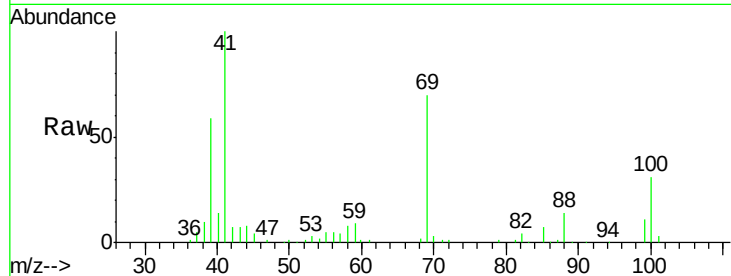
Tot Ion: 88 Resp: 10207

Ion Ratio Lower Upper

88 100

43 52.2 55.5 83.3#

58 60.3 59.9 89.9



#50

Toluene-d8

Concen: 41.773 ug/l

RT: 7.58 min Scan# 704

Delta R.T. 0.03 min

Lab File: VF061492.D

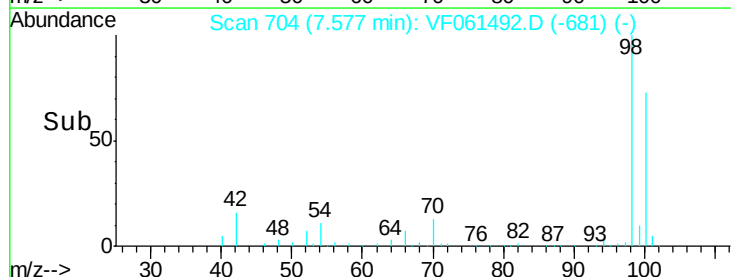
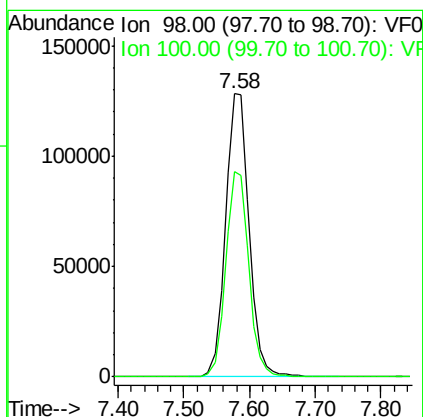
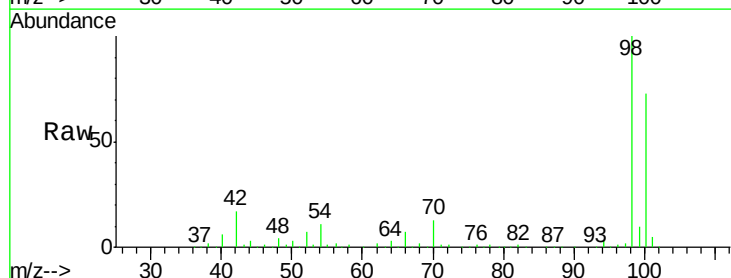
Acq: 24 Jan 2019 10:54

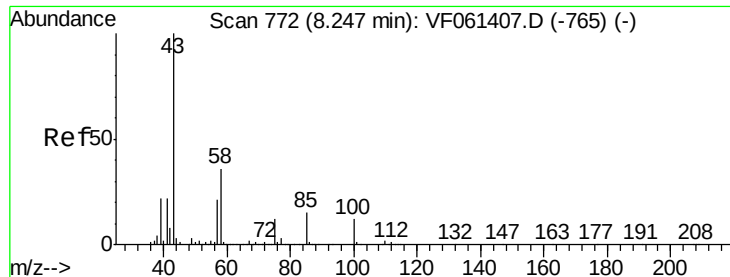
Tgt Ion: 98 Resp: 321092

Ion Ratio Lower Upper

98 100

100 72.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 256.052 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

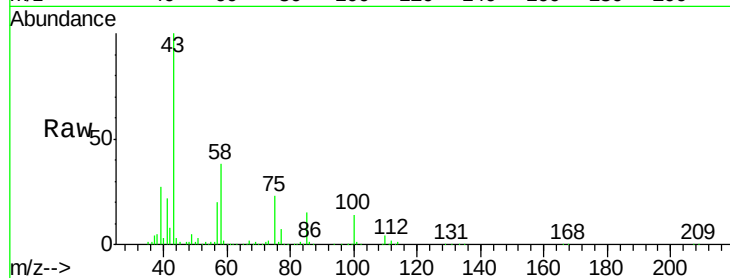
VSTDCCC050

Tot Ion: 43 Resp: 389304

Ion Ratio Lower Upper

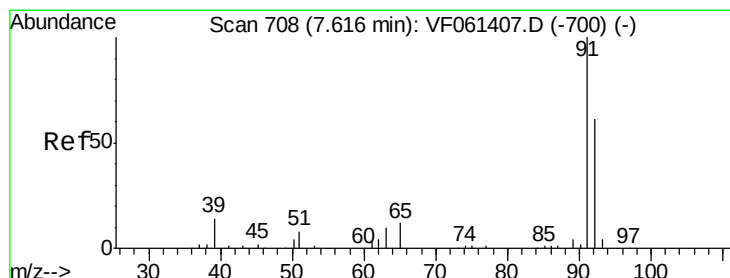
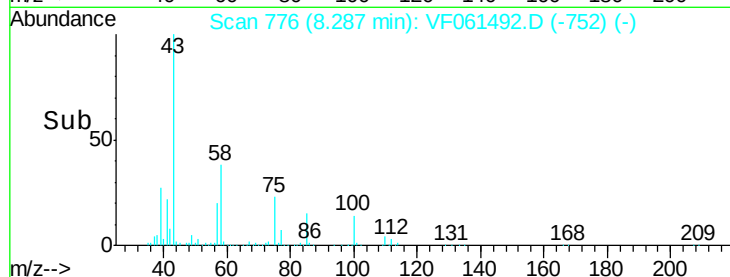
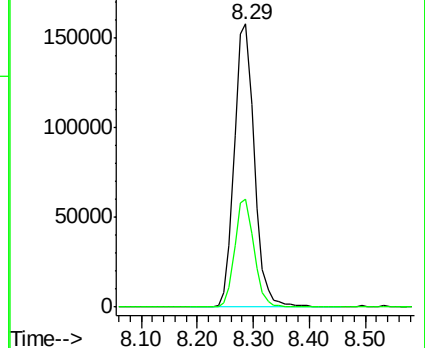
43 100

58 38.3 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.105 ug/l

RT: 7.66 min Scan# 712

Delta R.T. 0.04 min

Lab File: VF061492.D

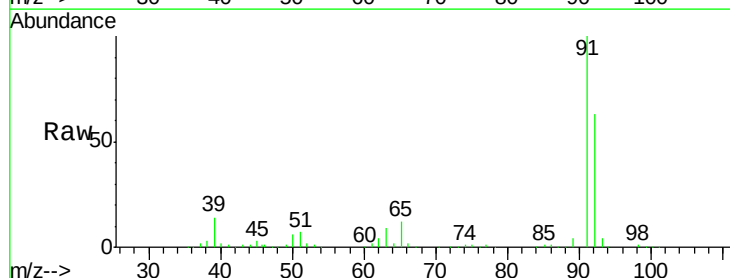
Acq: 24 Jan 2019 10:54

Tgt Ion: 92 Resp: 308709

Ion Ratio Lower Upper

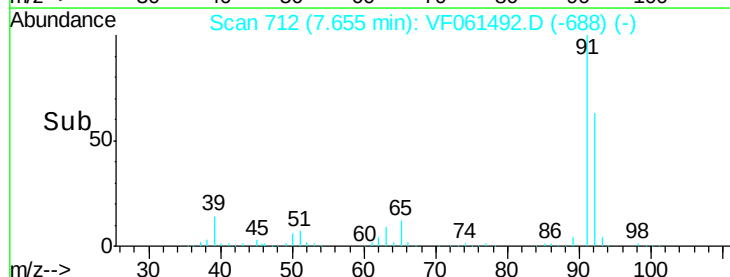
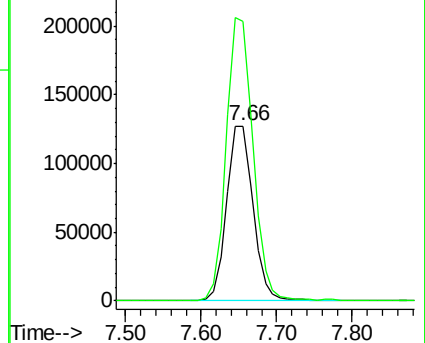
92 100

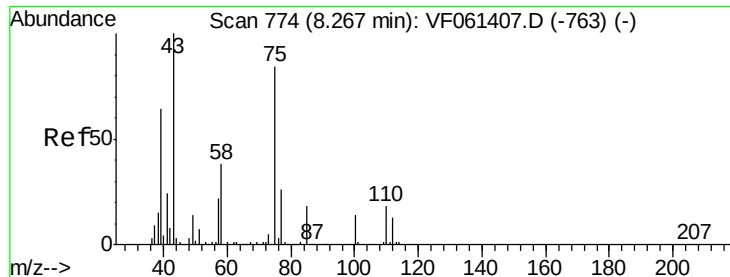
91 159.7 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.282 ug/l

RT: 8.31 min Scan# 778

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

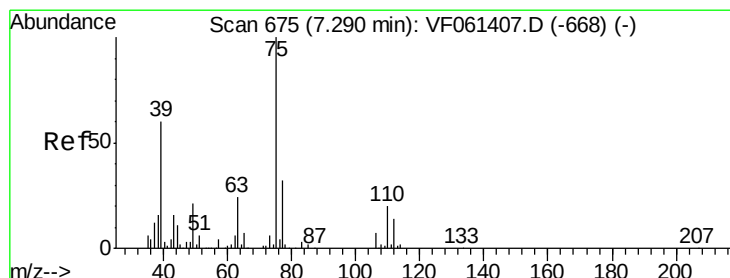
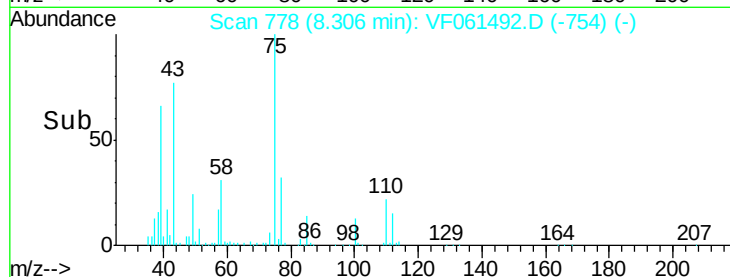
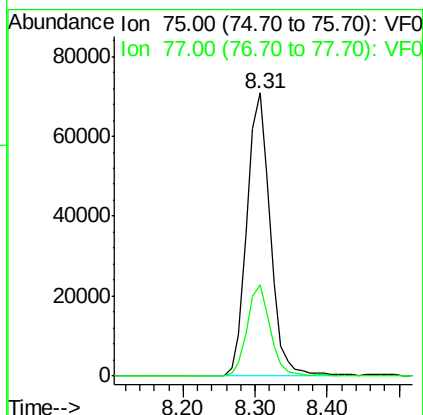
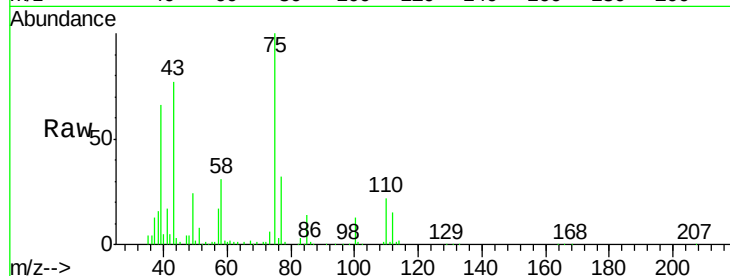
VSTDCCC050

Tot Ion: 75 Resp: 161283

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 52.017 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

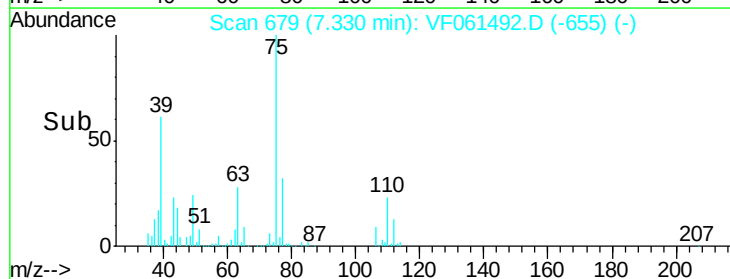
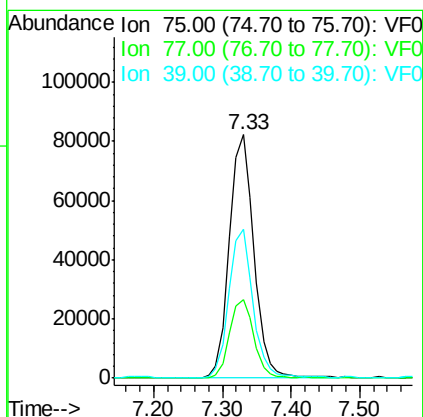
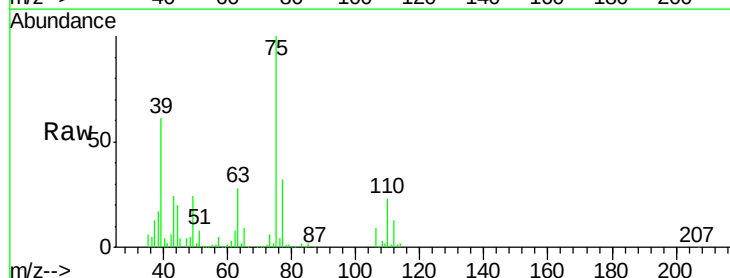
Tgt Ion: 75 Resp: 204490

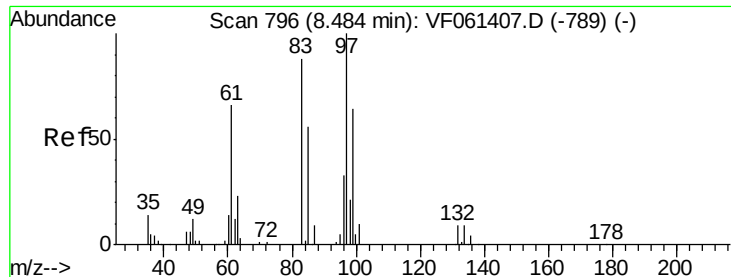
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 61.4 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 51.195 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 87818

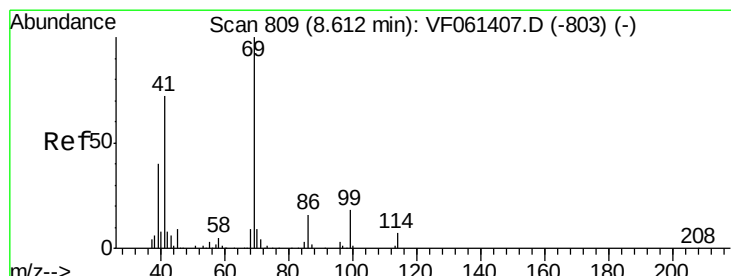
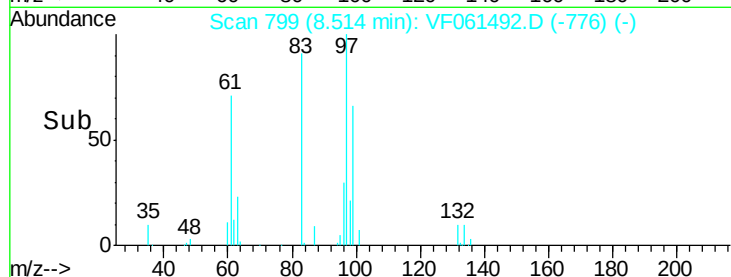
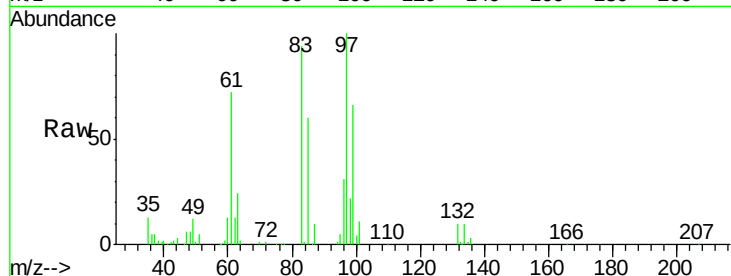
Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.4	105.6
85	59.8	44.7	67.1
99	66.3	50.8	76.2

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.601 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

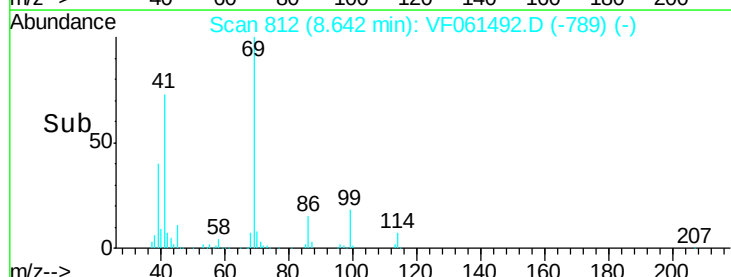
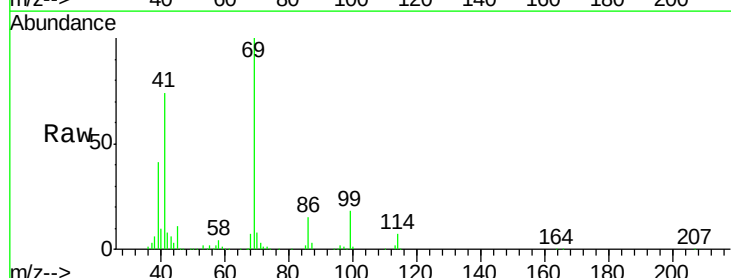
Tgt Ion: 69 Resp: 100985

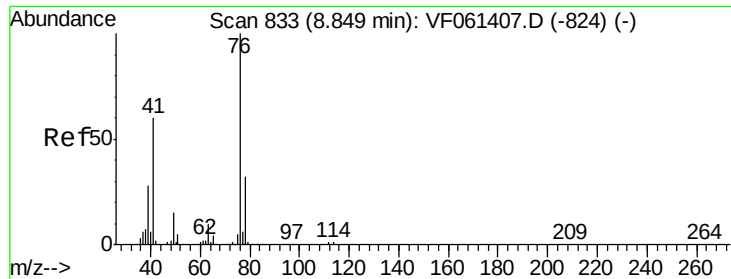
Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.5	86.3
39	40.9	32.0	48.0

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

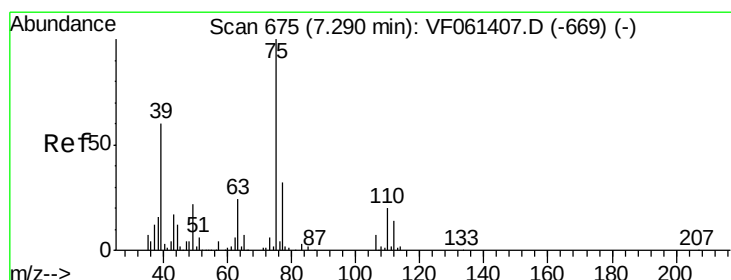
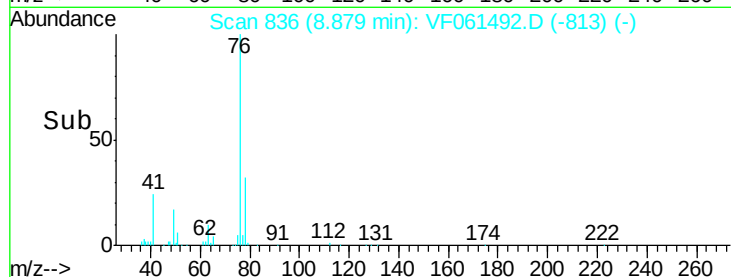
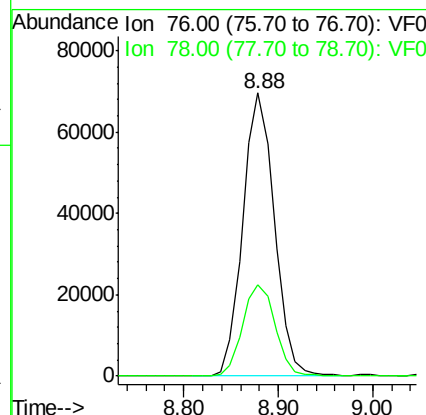
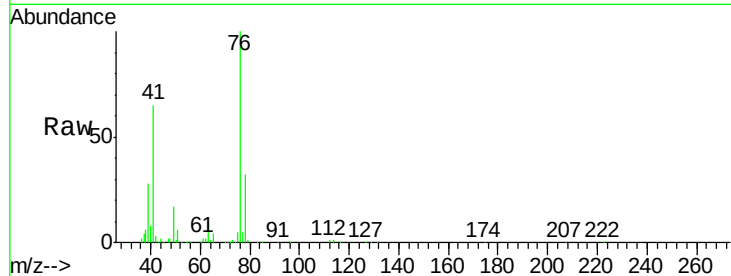




#57
 1,3-Dichloropropane
 Concen: 50.306 ug/l
 RT: 8.88 min Scan# 836
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

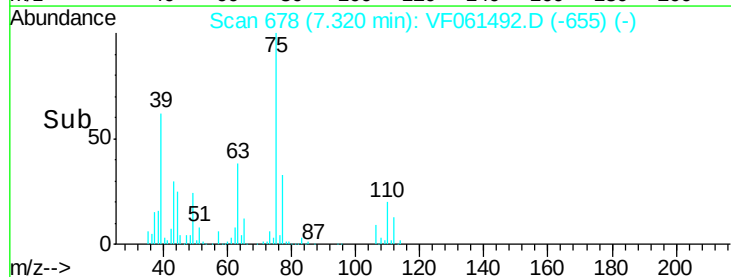
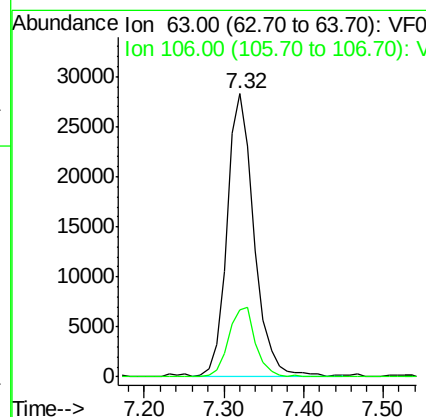
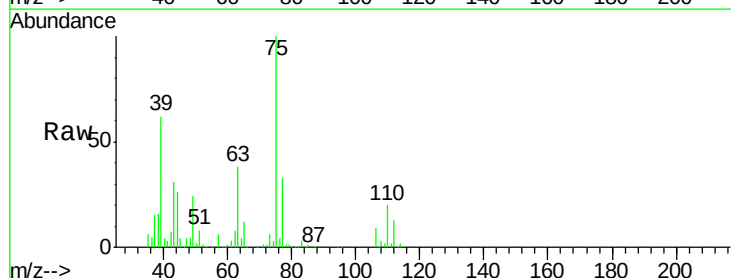
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

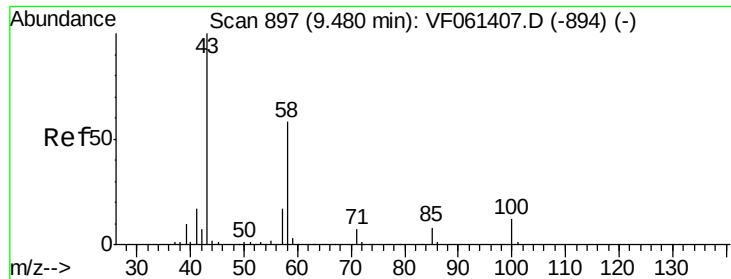
Tot Ion: 76 Resp: 161747
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 317.283 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion: 63 Resp: 68141
 Ion Ratio Lower Upper
 63 100
 106 23.8 21.9 32.9

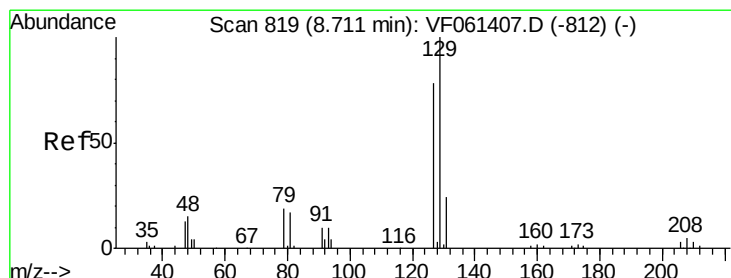
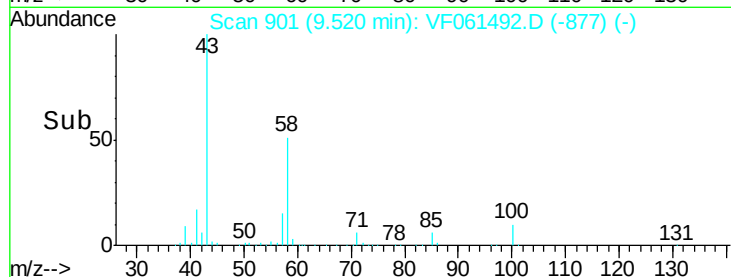
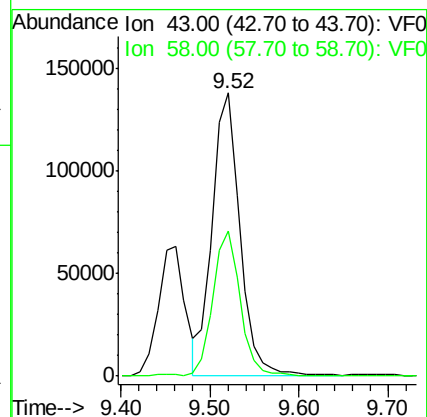
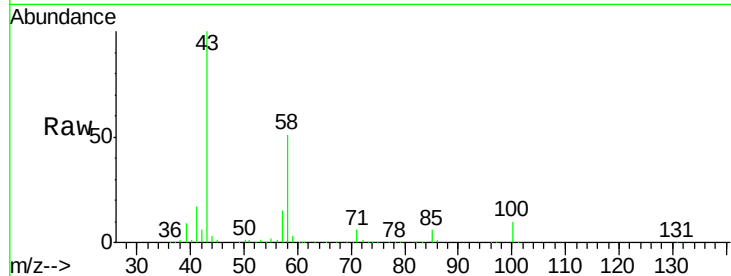




#59
2-Hexanone
Concen: 282.387 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

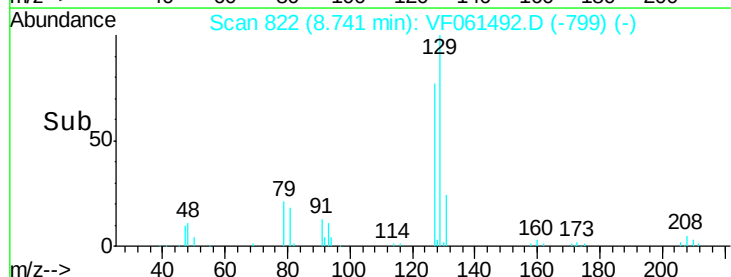
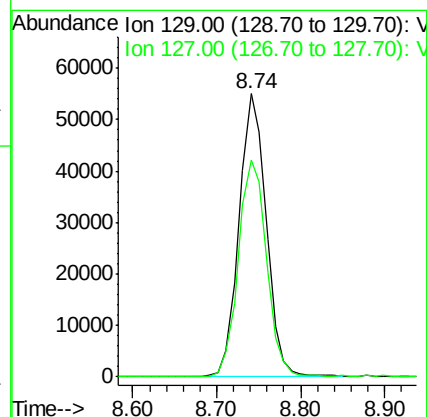
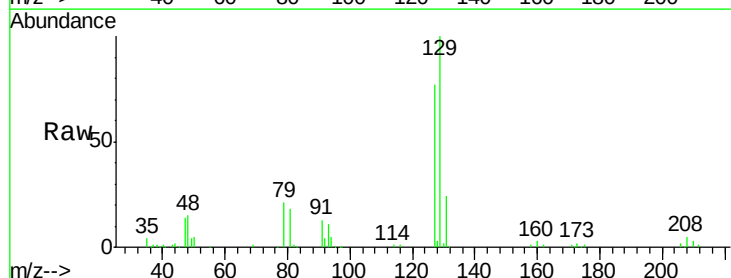
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

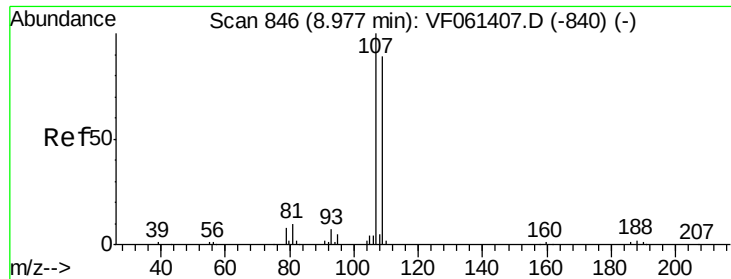
Tot Ion: 43 Resp: 299390
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6



#60
Dibromochloromethane
Concen: 49.544 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 129 Resp: 124247
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.017 ug/l

RT: 9.02 min Scan# 850

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

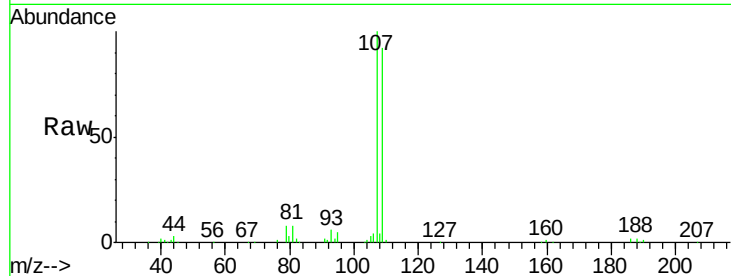
VSTDCCC050

Tot Ion:107 Resp: 98221

Ion Ratio Lower Upper

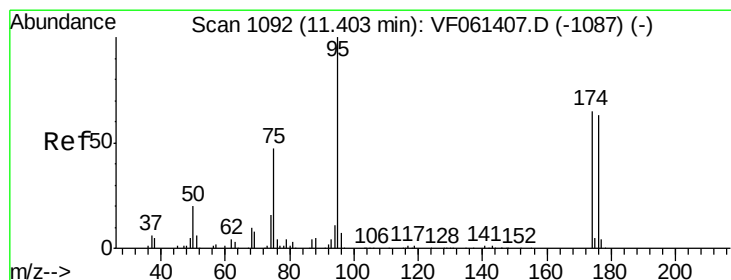
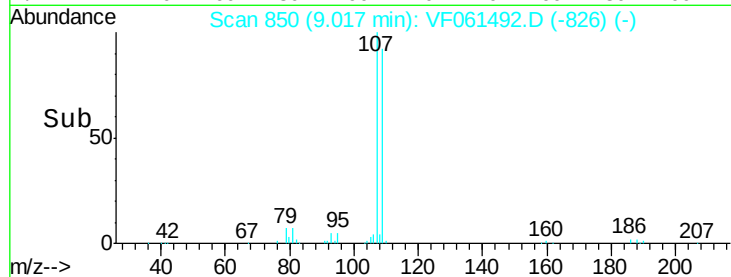
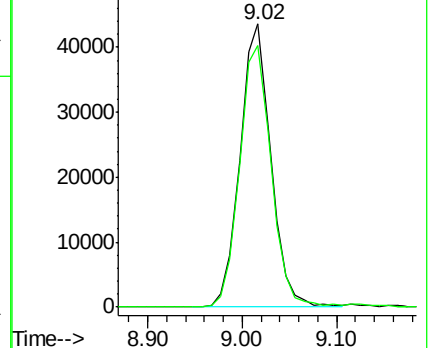
107 100

109 92.5 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 38.066 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

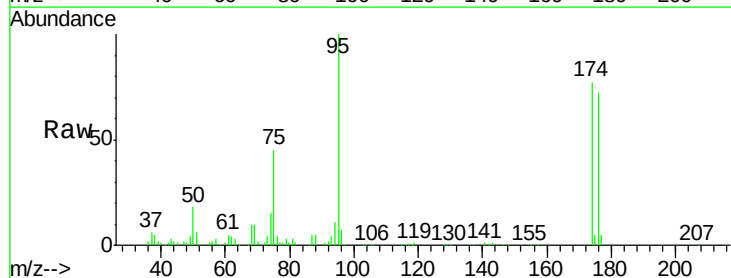
Tgt Ion: 95 Resp: 136712

Ion Ratio Lower Upper

95 100

174 77.4 0.0 130.4

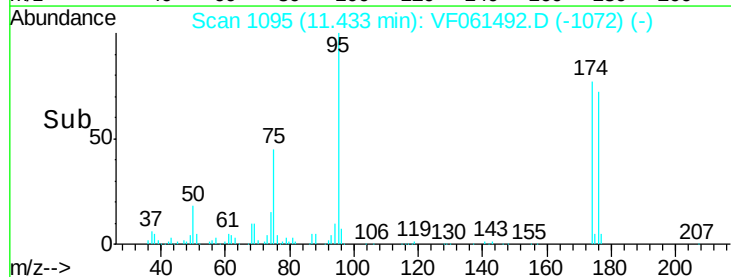
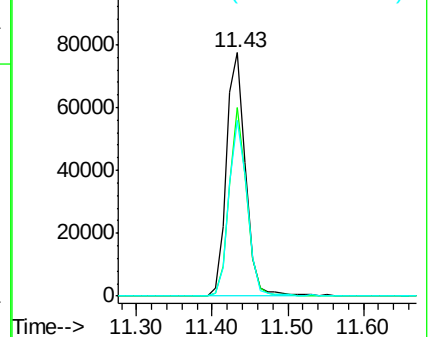
176 72.4 0.0 126.2

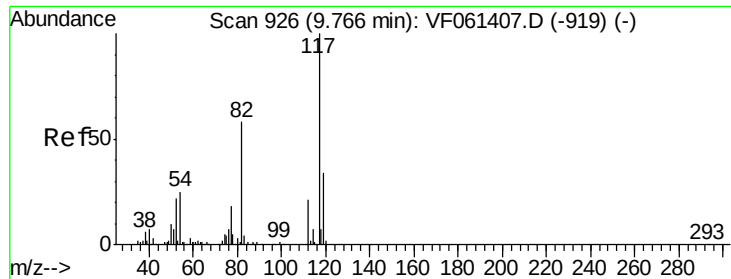


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

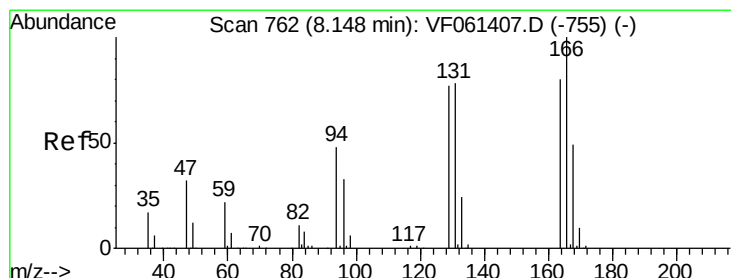
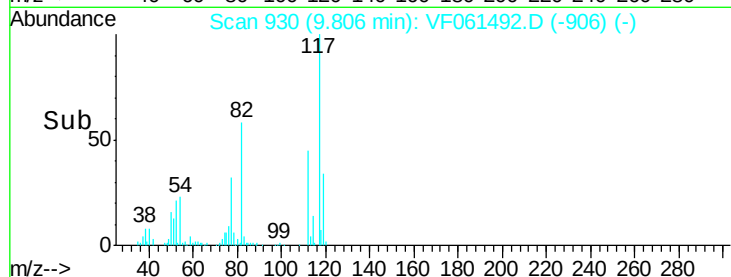
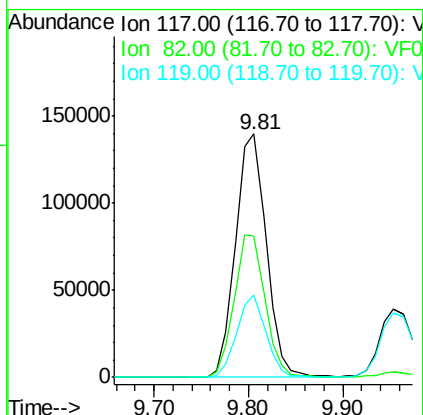
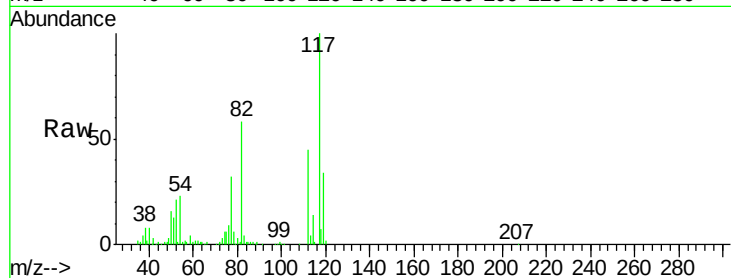




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.04 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

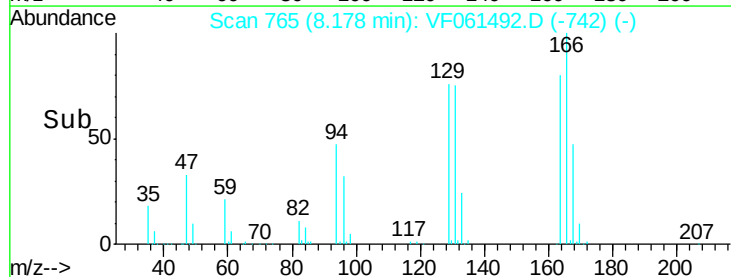
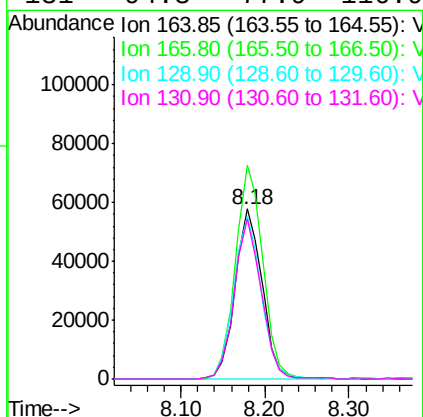
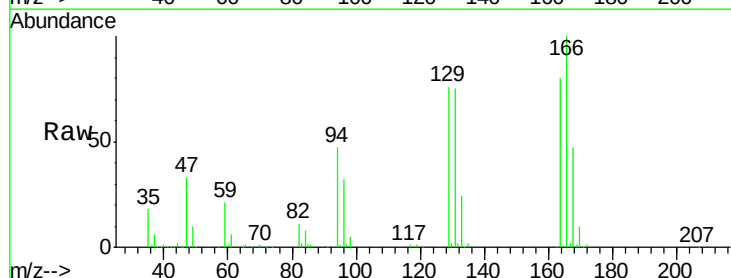
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

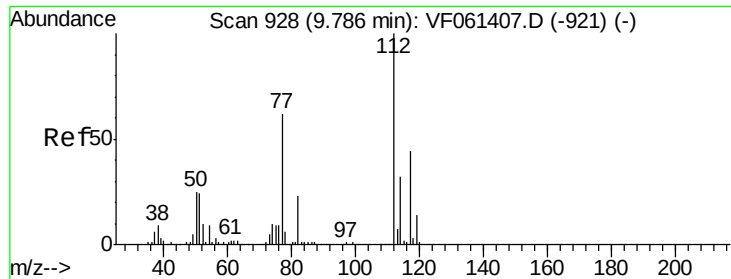
Tot Ion:117 Resp: 316663
Ion Ratio Lower Upper
117 100
82 57.8 46.4 69.6
119 33.9 27.2 40.8



#64
Tetrachloroethene
Concen: 54.360 ug/l
RT: 8.18 min Scan# 765
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion:164 Resp: 129449
Ion Ratio Lower Upper
164 100
166 125.7 99.6 149.4
129 95.4 76.4 114.6
131 94.3 77.9 116.9





#65

Chlorobenzene

Concen: 53.408 ug/l

RT: 9.83 min Scan# 932

Delta R.T. 0.04 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

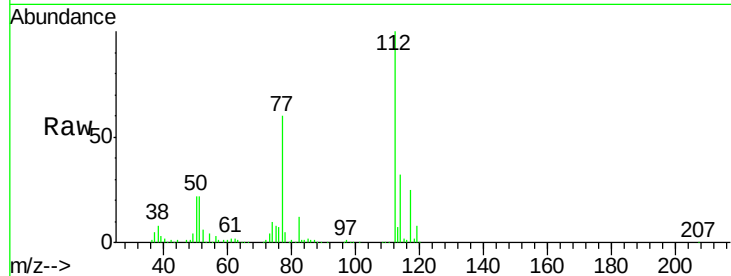
VSTDCCC050

Tot Ion:112 Resp: 343921

Ion Ratio Lower Upper

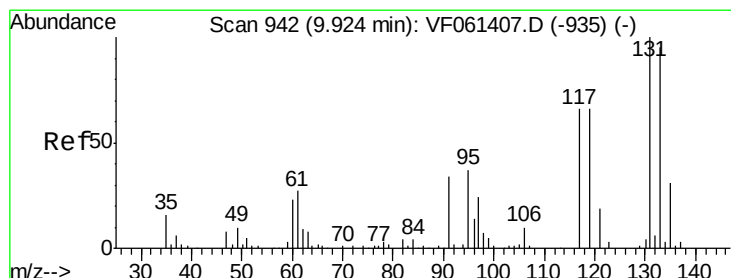
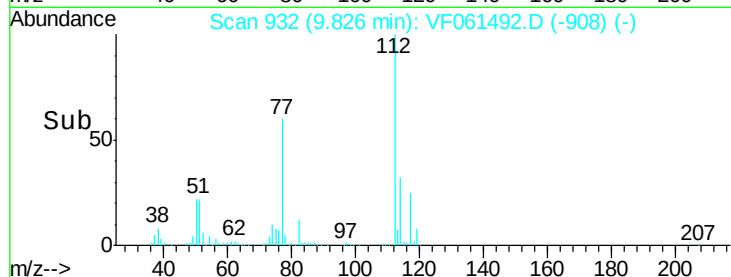
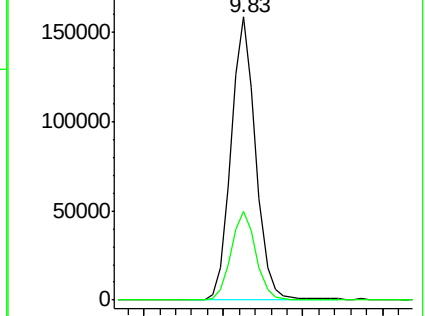
112 100

114 31.6 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.197 ug/l

RT: 9.95 min Scan# 945

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

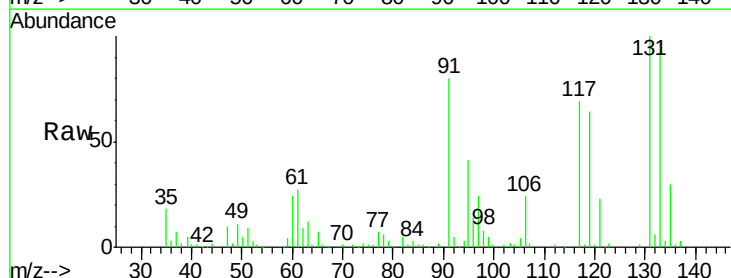
Tgt Ion:131 Resp: 133901

Ion Ratio Lower Upper

131 100

133 97.2 47.4 142.2

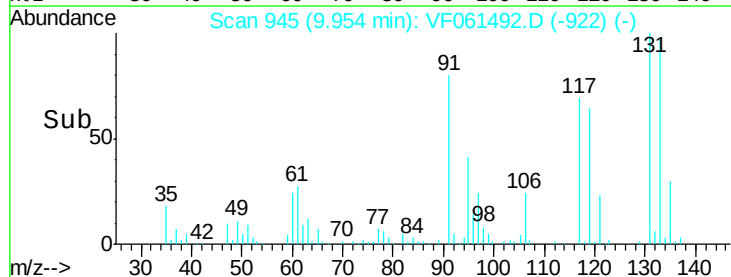
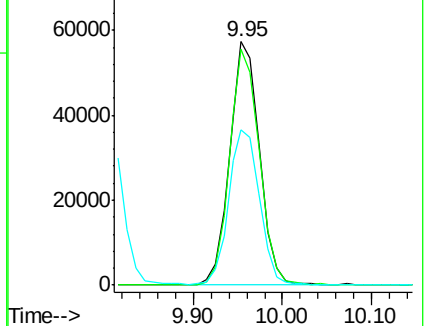
119 64.0 33.1 99.3

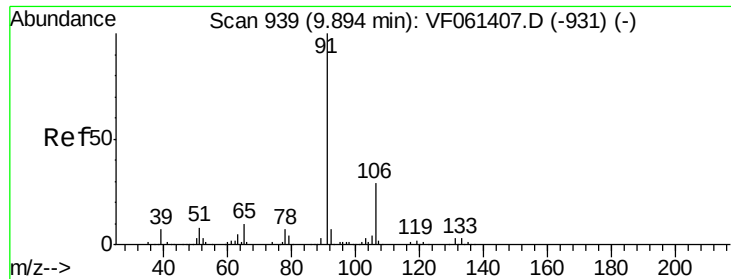


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 51.182 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

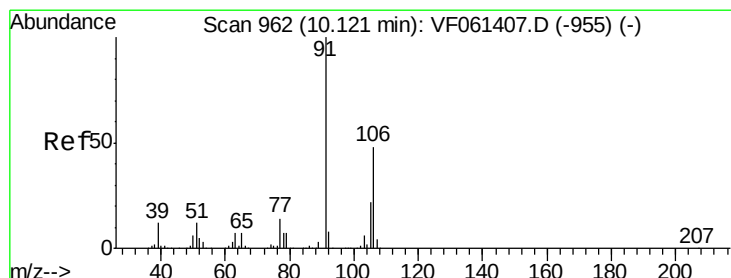
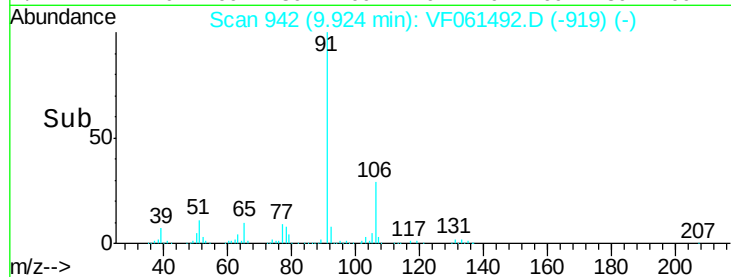
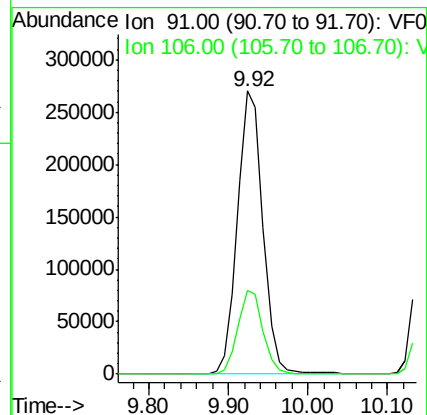
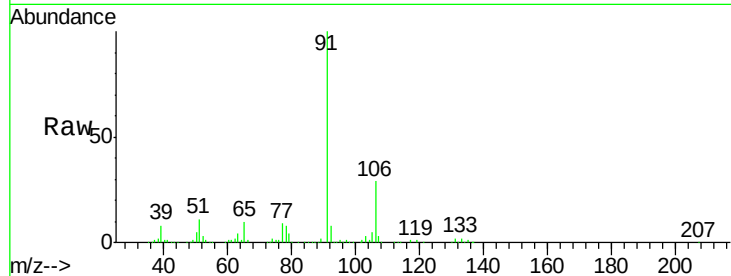
VSTDCCC050

Tot Ion: 91 Resp: 602174

Ion Ratio Lower Upper

91 100

106 29.4 23.1 34.7



#68

m/p-Xylenes

Concen: 102.474 ug/l

RT: 10.16 min Scan# 966

Delta R.T. 0.04 min

Lab File: VF061492.D

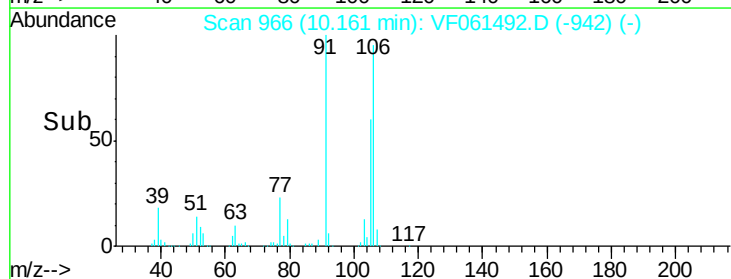
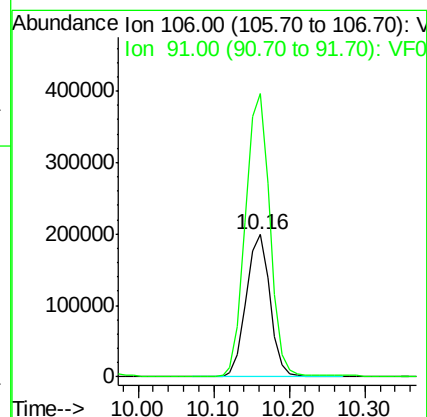
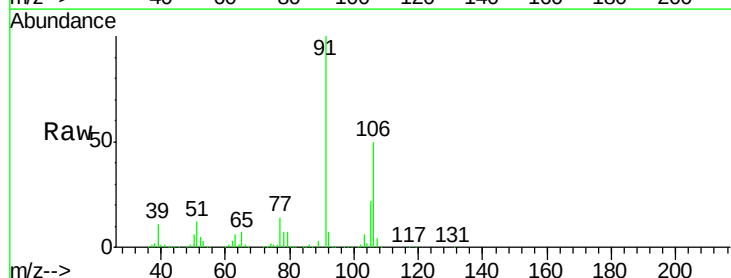
Acq: 24 Jan 2019 10:54

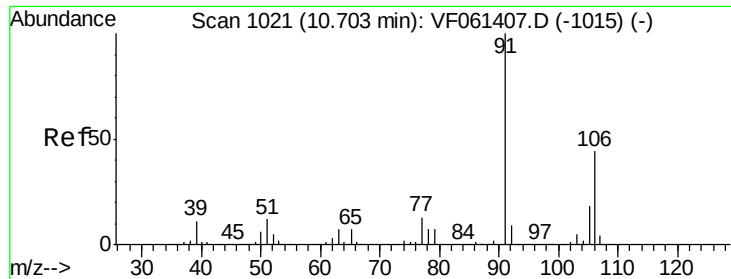
Tgt Ion: 106 Resp: 433634

Ion Ratio Lower Upper

106 100

91 199.0 166.2 249.4

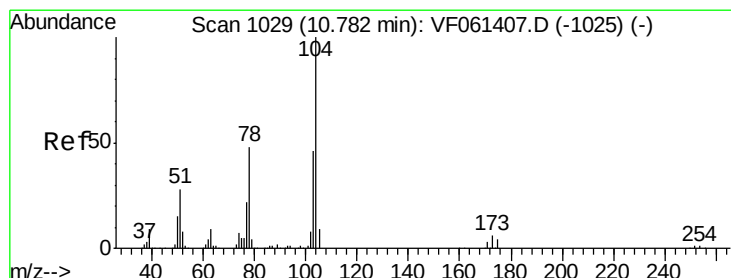
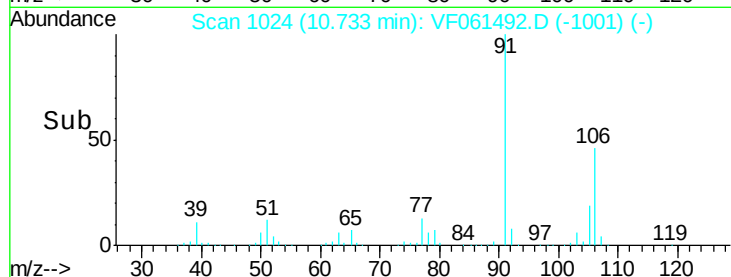
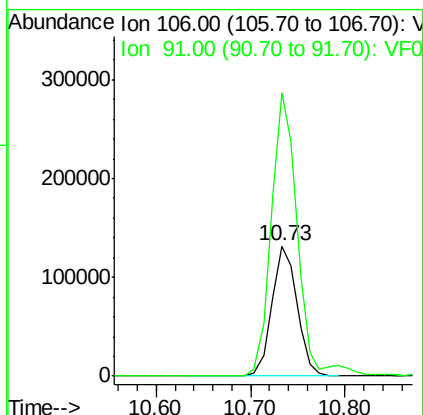
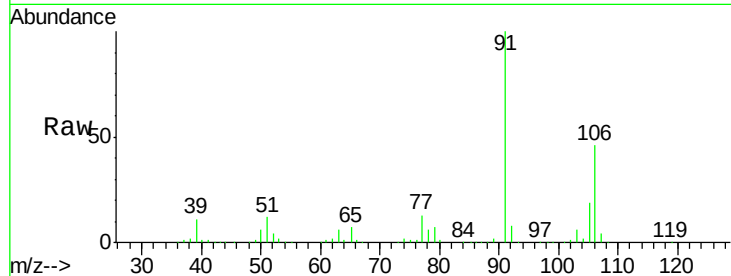




#69
o-Xylene
Concen: 53.536 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

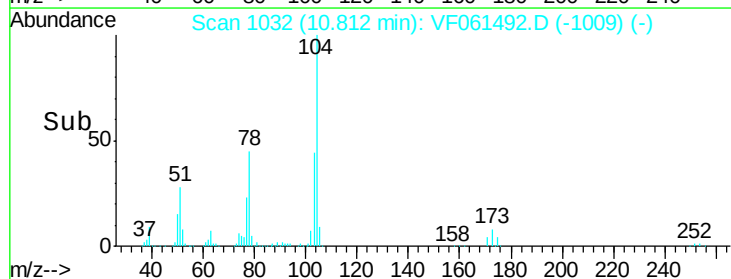
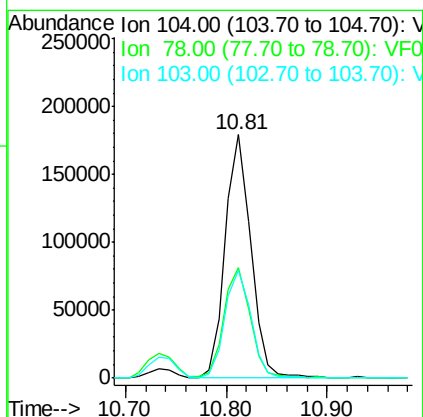
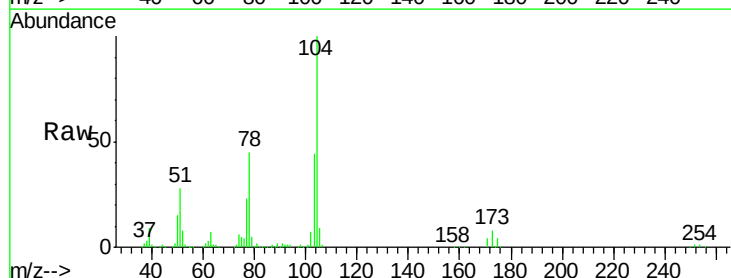
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

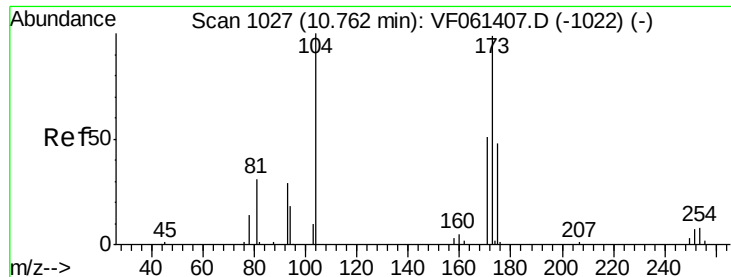
Tot Ion:106 Resp: 245531
Ion Ratio Lower Upper
106 100
91 217.7 113.3 339.8



#70
Styrene
Concen: 50.364 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion:104 Resp: 316183
Ion Ratio Lower Upper
104 100
78 45.2 38.8 58.2
103 44.1 37.0 55.6

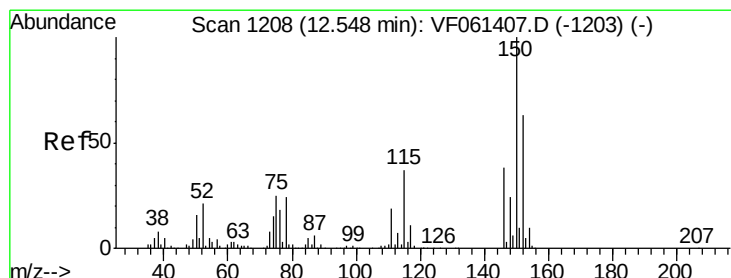
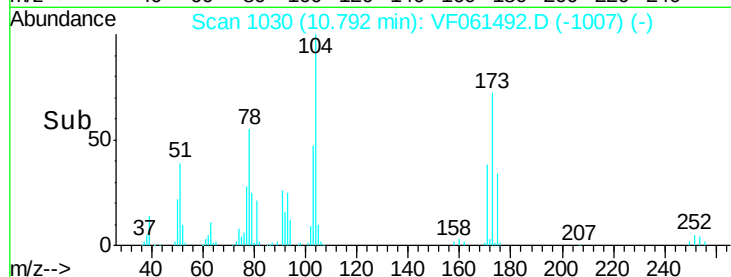
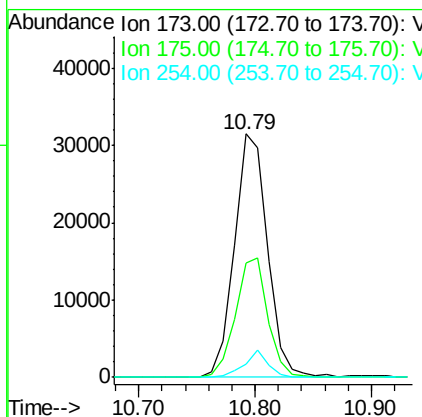
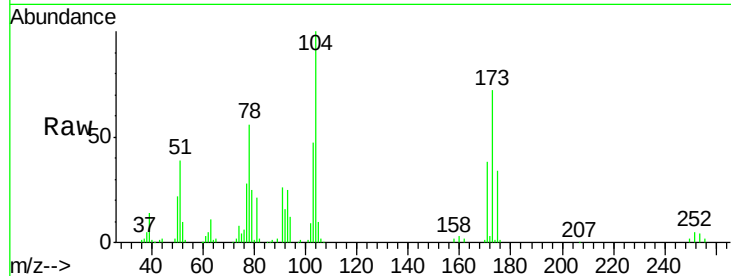




#71
Bromoform
Concen: 53.565 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.03 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

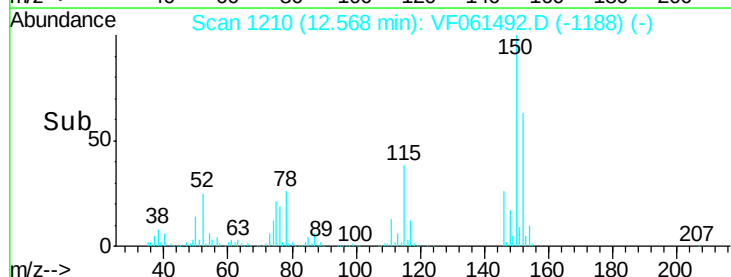
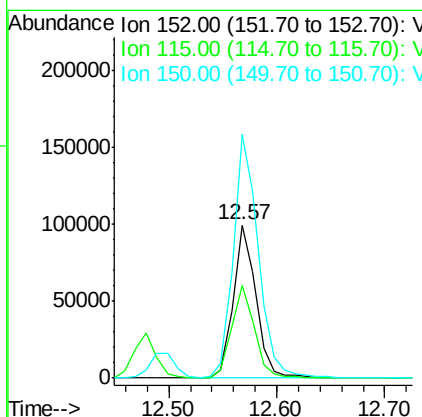
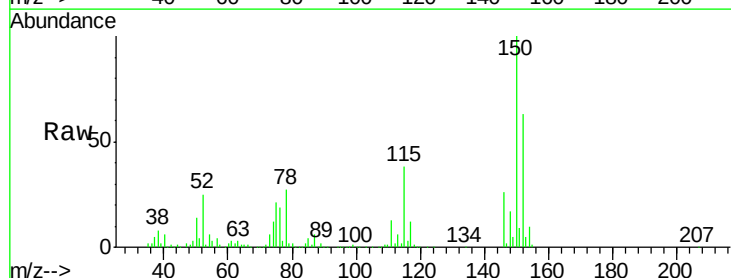
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

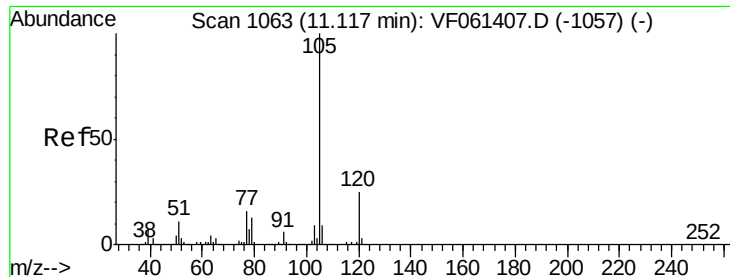
Tot Ion:173 Resp: 61739
Ion Ratio Lower Upper
173 100
175 46.8 24.1 72.4
254 5.5 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion:152 Resp: 146469
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.0
150 159.3 0.0 321.4





#73

Isopropylbenzene

Concen: 57.094 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

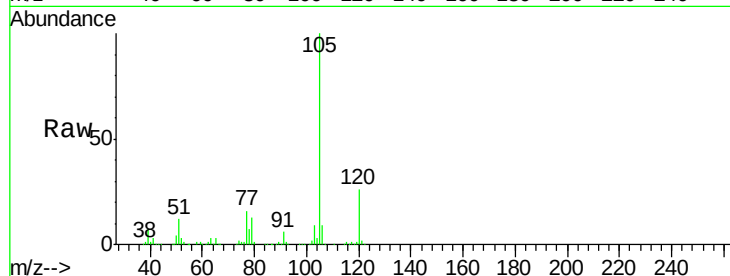
VSTDCCC050

Tot Ion:105 Resp: 680133

Ion Ratio Lower Upper

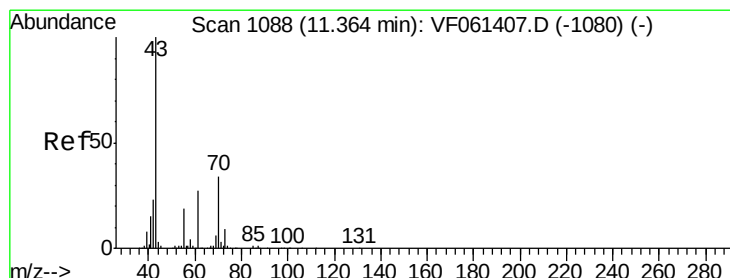
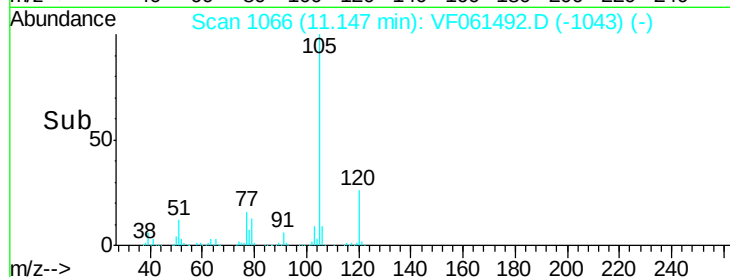
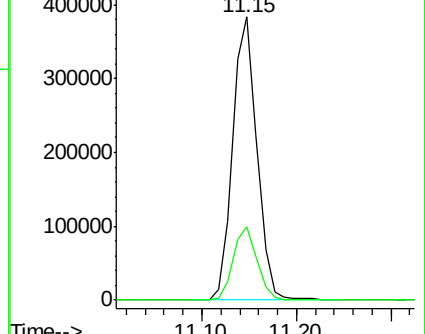
105 100

120 25.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.755 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Tgt Ion: 43 Resp: 173956

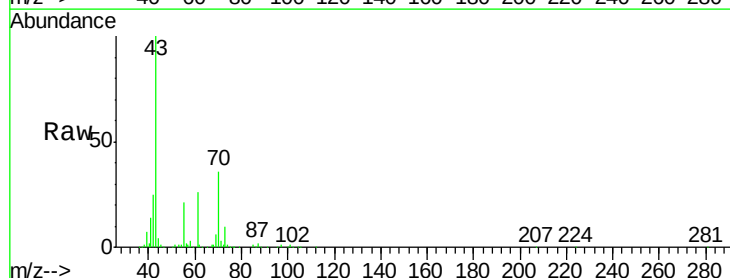
Ion Ratio Lower Upper

43 100

70 35.9 27.6 41.4

55 20.8 15.4 23.2

61 26.1 21.8 32.6

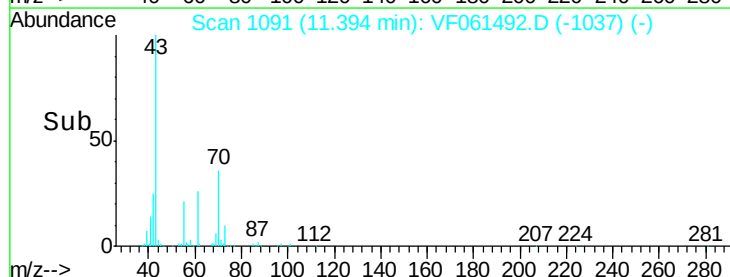
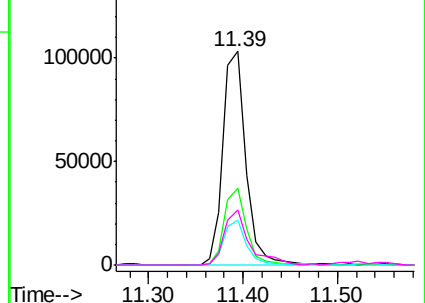


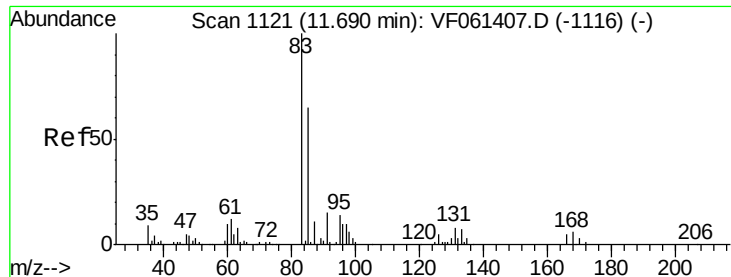
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.149 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

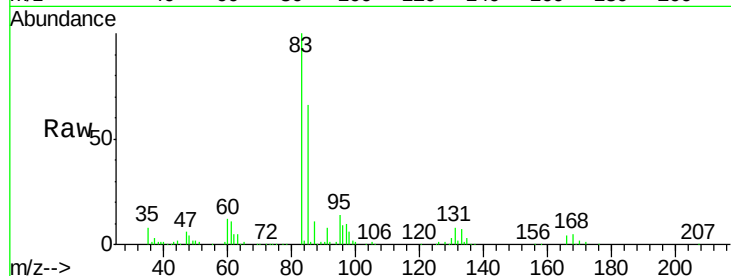
Tot Ion: 83 Resp: 112792

Ion Ratio Lower Upper

83 100

131 8.4 4.0 12.2

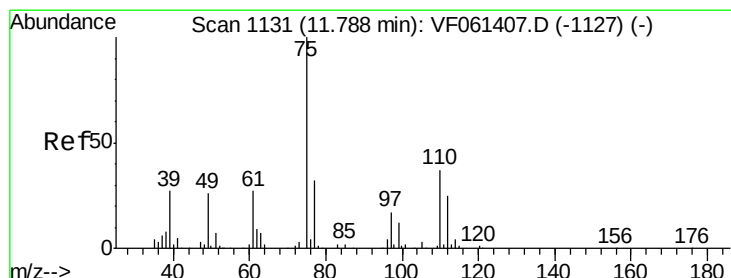
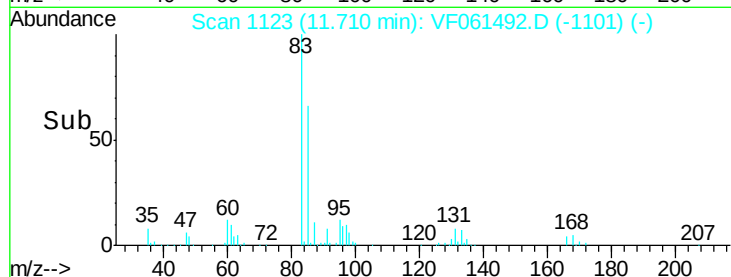
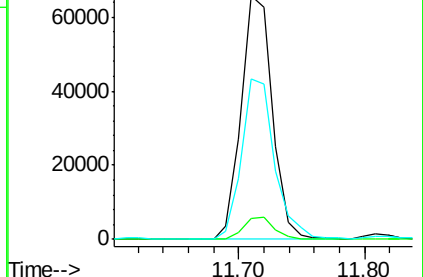
85 65.6 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 55.028 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.03 min

Lab File: VF061492.D

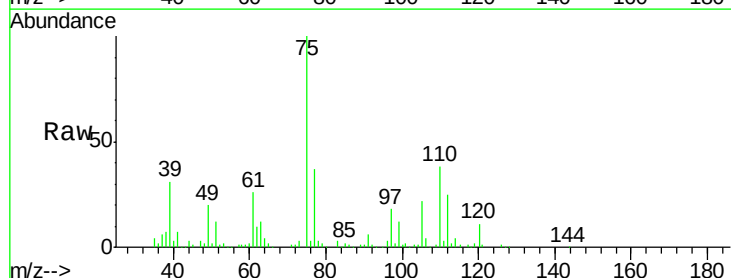
Acq: 24 Jan 2019 10:54

Tgt Ion: 75 Resp: 83912

Ion Ratio Lower Upper

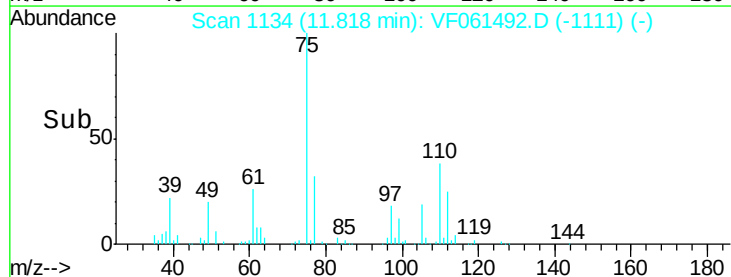
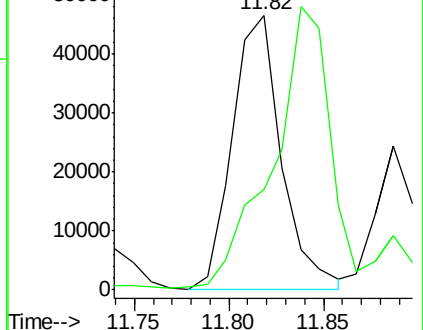
75 100

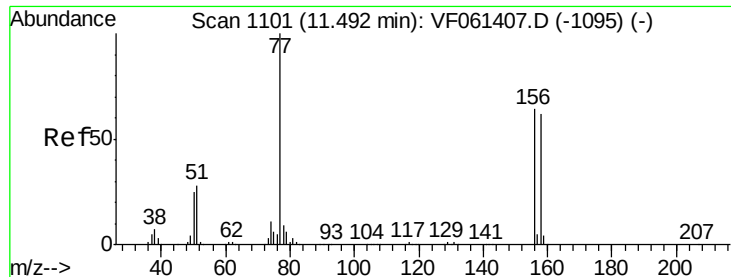
77 36.6 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 56.157 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

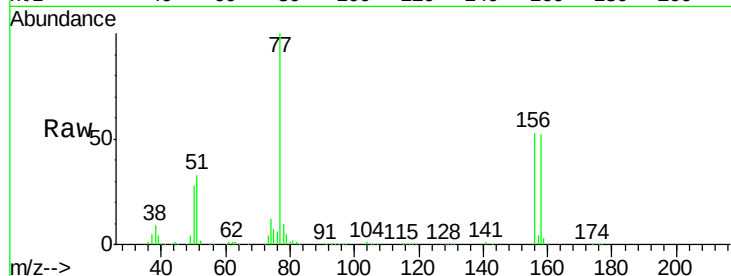
Tot Ion:156 Resp: 141282

Ion Ratio Lower Upper

156 100

77 188.5 78.3 234.9

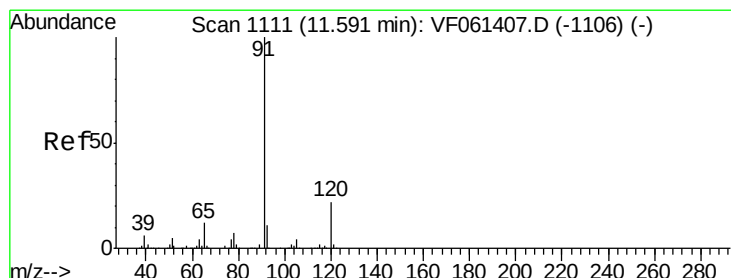
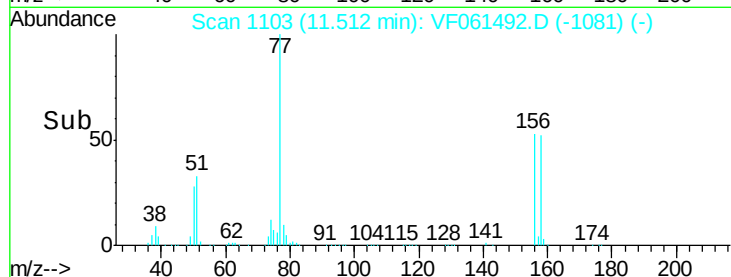
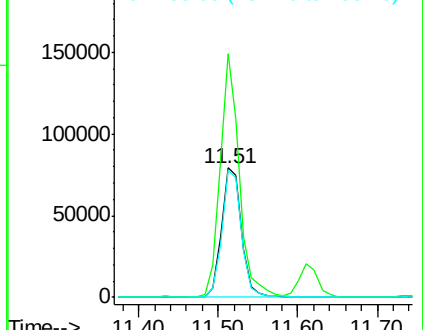
158 98.4 48.9 146.7



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: 53.245 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF061492.D

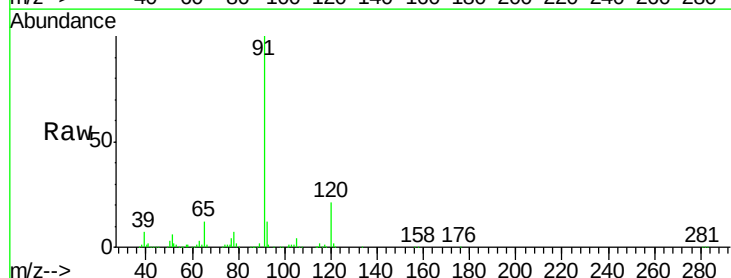
Acq: 24 Jan 2019 10:54

Tgt Ion: 91 Resp: 766282

Ion Ratio Lower Upper

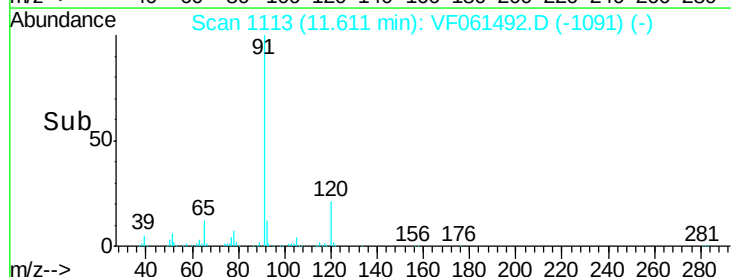
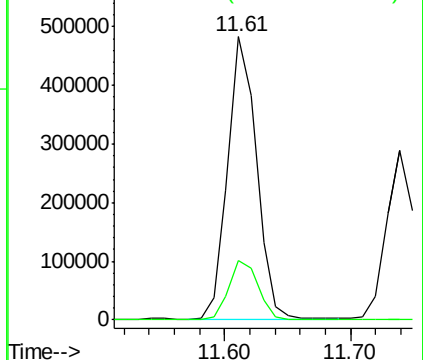
91 100

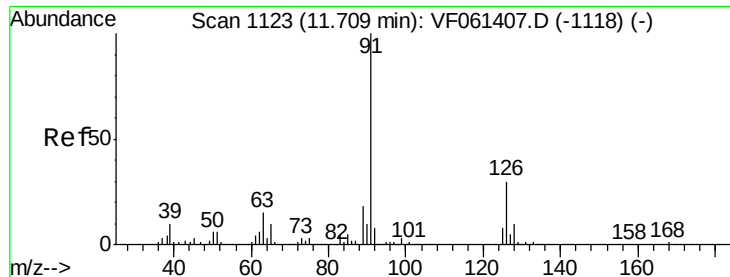
120 20.9 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

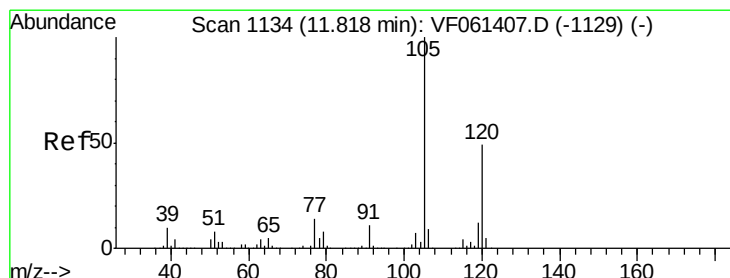
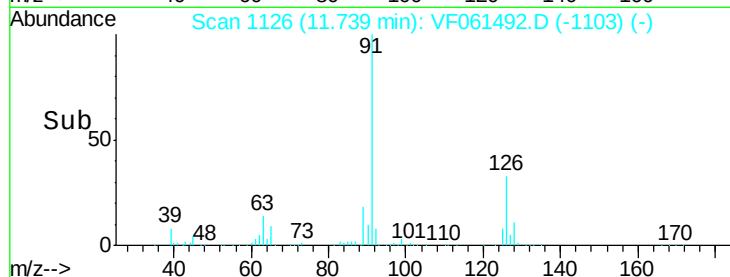
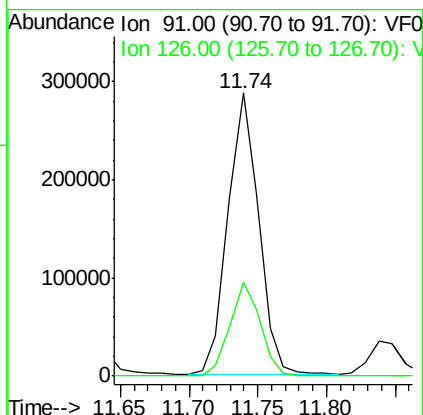
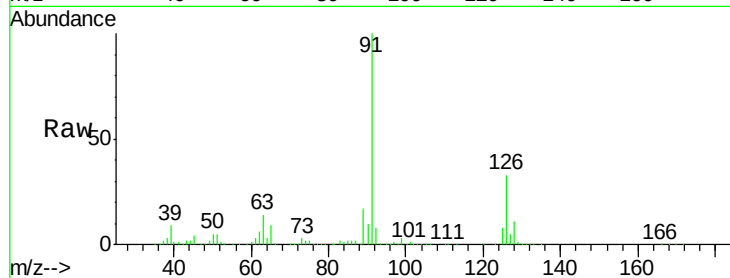




#79
 2-Chlorotoluene
 Concen: 53.813 ug/l
 RT: 11.74 min Scan# 1126
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

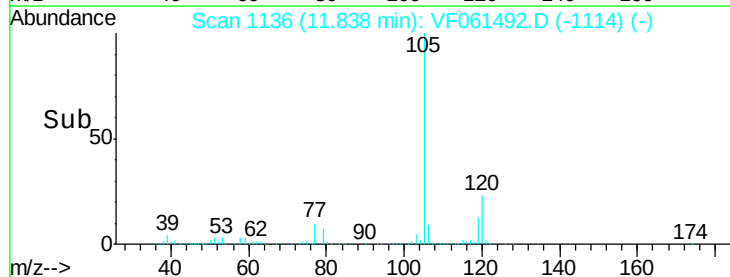
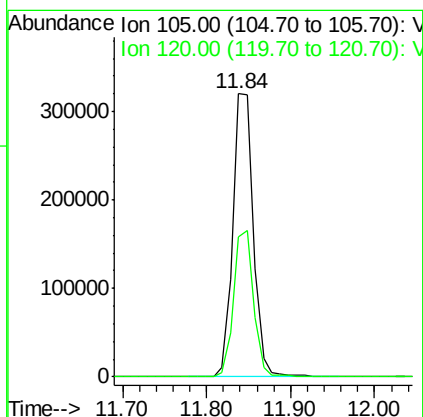
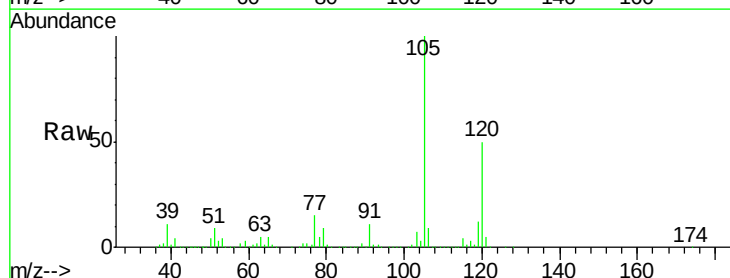
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

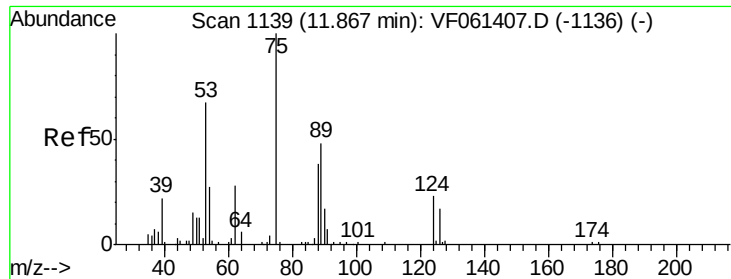
Tot Ion: 91 Resp: 444788
 Ion Ratio Lower Upper
 91 100
 126 33.3 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 56.471 ug/l
 RT: 11.84 min Scan# 1136
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion: 105 Resp: 542895
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.7 74.1

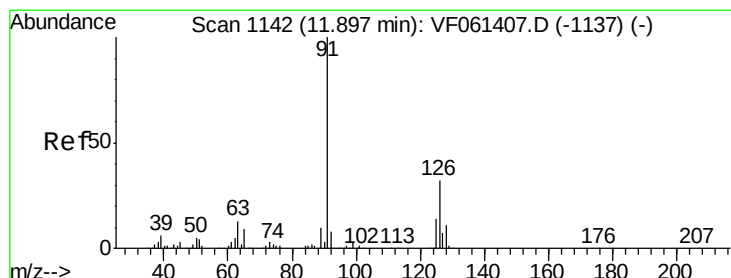
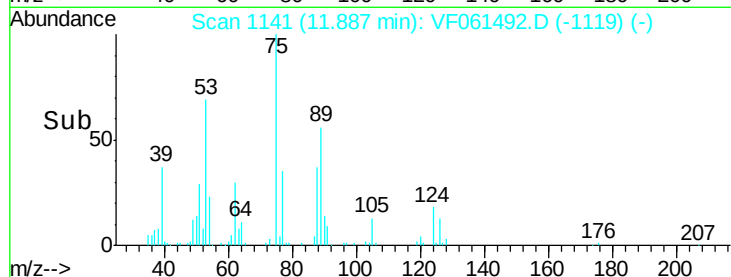
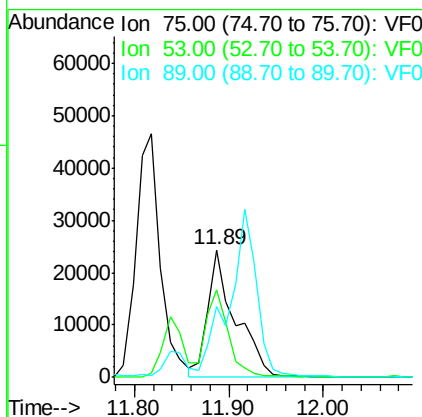
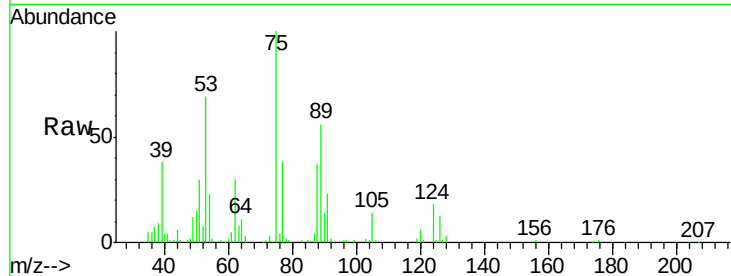




#81
trans-1,4-Dichloro-2-butene
Concen: 76.749 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

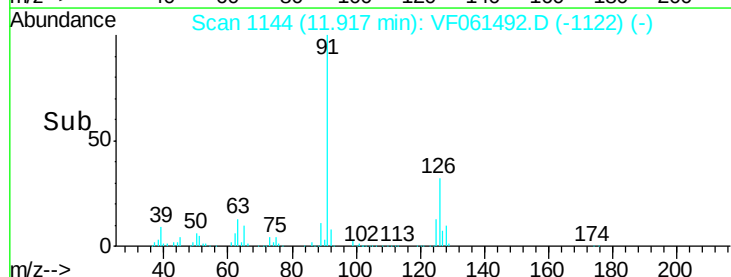
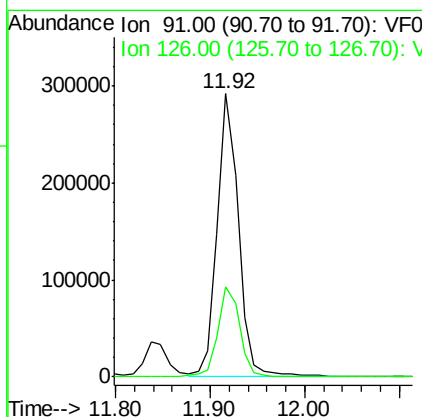
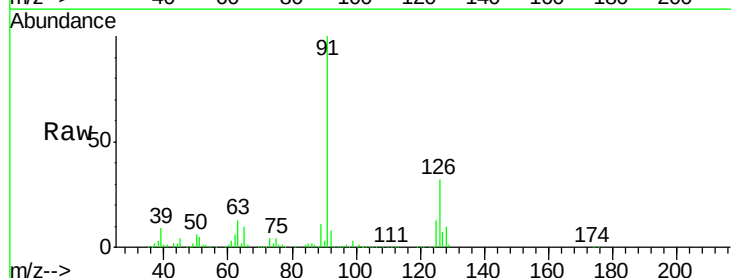
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

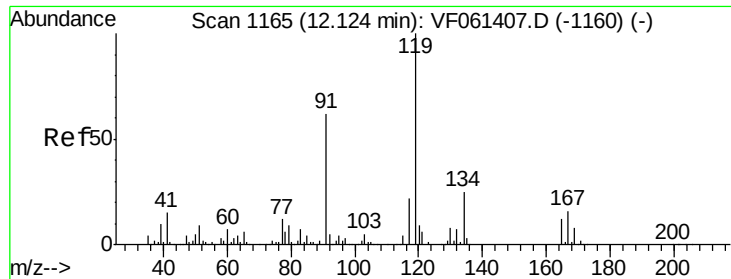
Tot Ion: 75 Resp: 50876
Ion Ratio Lower Upper
75 100
53 68.8 57.8 86.6
89 56.2 40.7 61.1



#82
4-Chlorotoluene
Concen: 54.024 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF061492.D
Acq: 24 Jan 2019 10:54

Tgt Ion: 91 Resp: 450594
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9

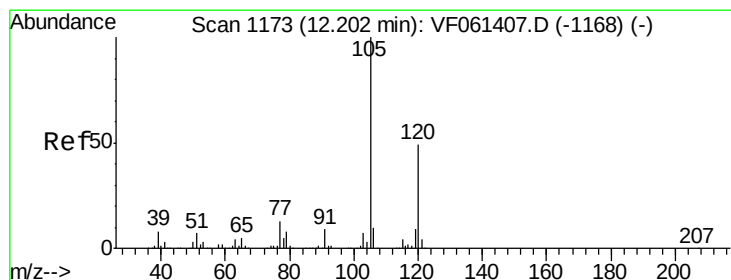
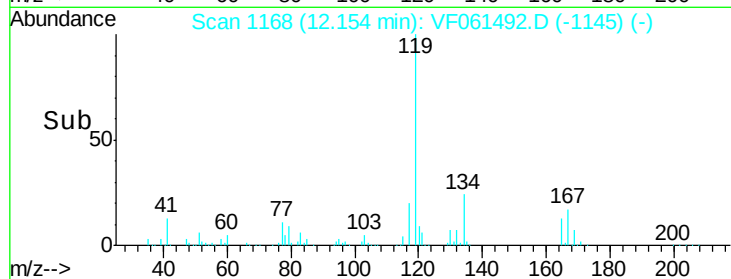
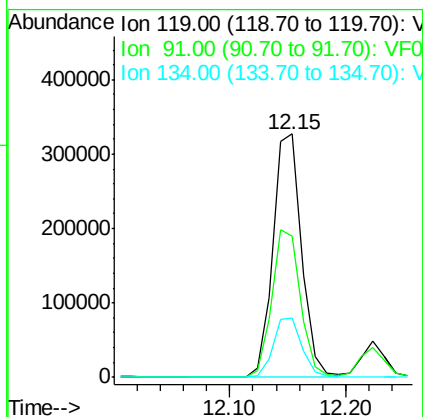
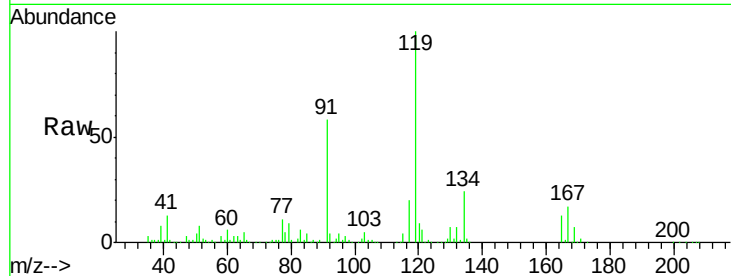




#83
 tert-Butylbenzene
 Concen: 55.840 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.03 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

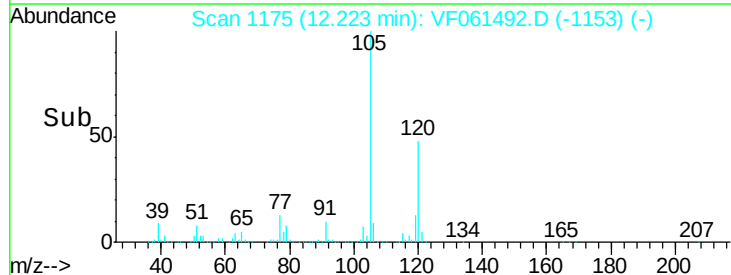
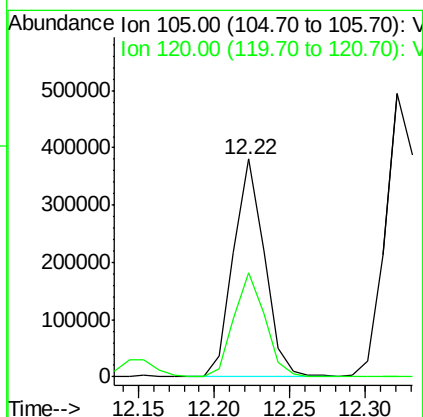
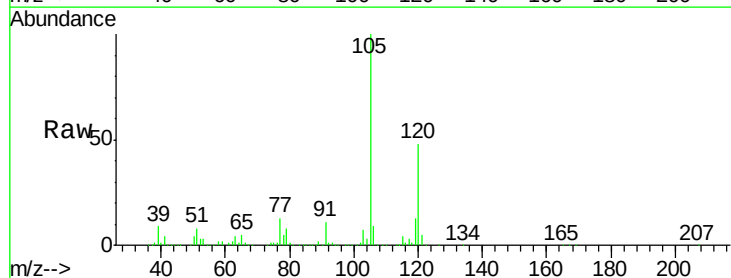
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

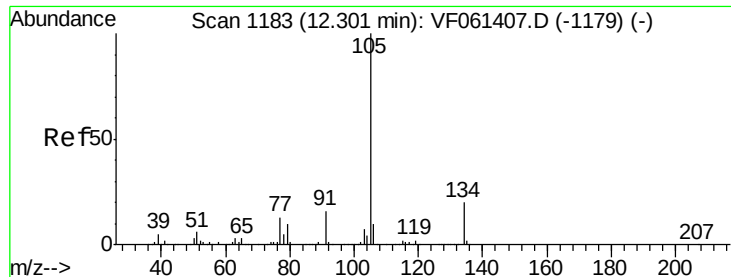
Tot Ion:119 Resp: 555629
 Ion Ratio Lower Upper
 119 100
 91 58.0 31.3 93.8
 134 24.5 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 55.068 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion:105 Resp: 545314
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.9 74.6





#85

sec-Butylbenzene

Concen: 55.773 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

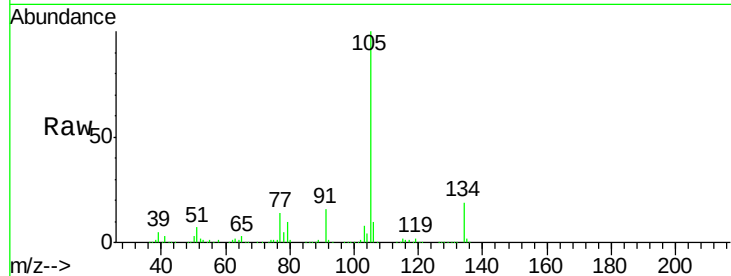
VSTDCCC050

Tot Ion:105 Resp: 753654

Ion Ratio Lower Upper

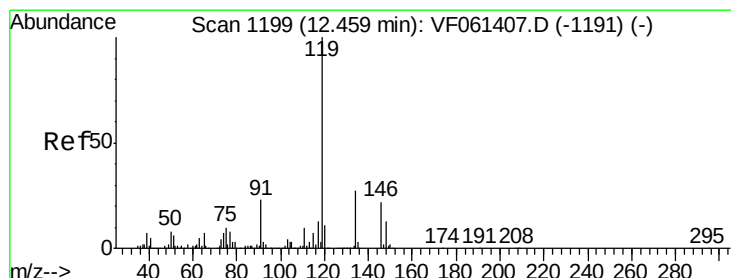
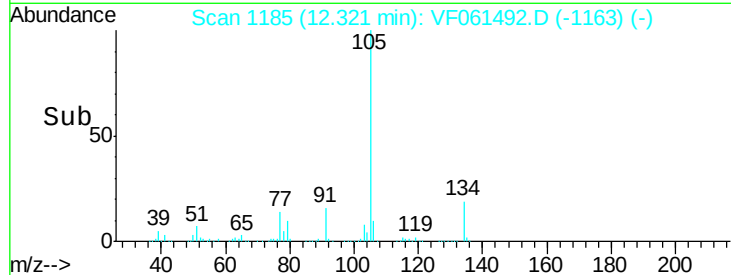
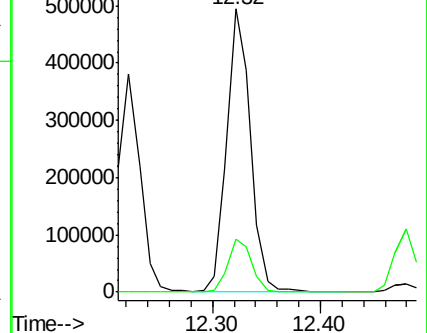
105 100

134 18.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.885 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

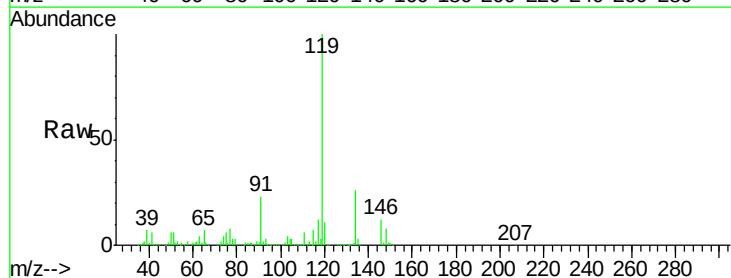
Tgt Ion:119 Resp: 619909

Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.2

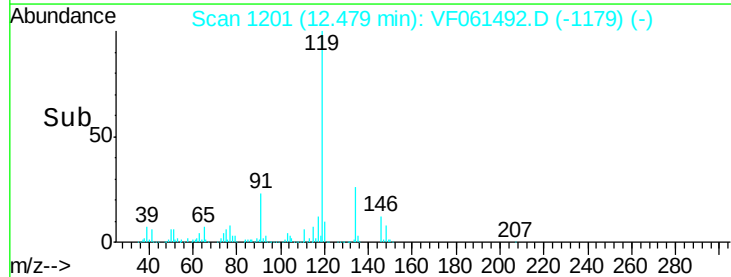
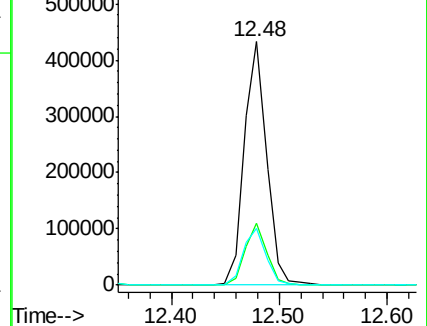
91 23.2 11.4 34.2

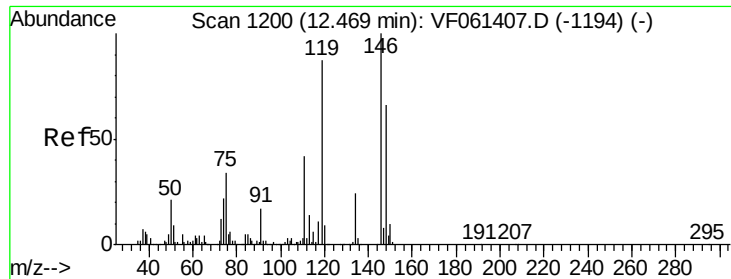


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 52.371 ug/l

RT: 12.49 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

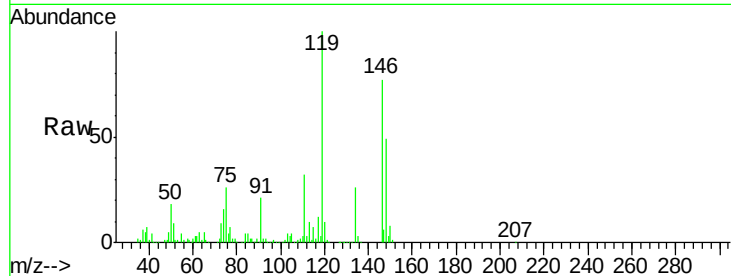
Tot Ion:146 Resp: 260573

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.4

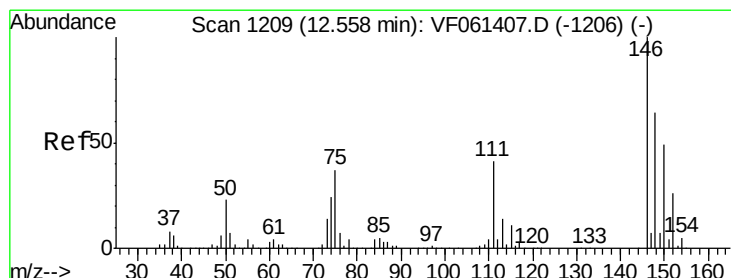
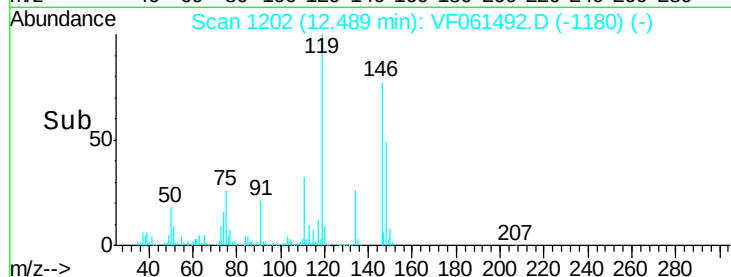
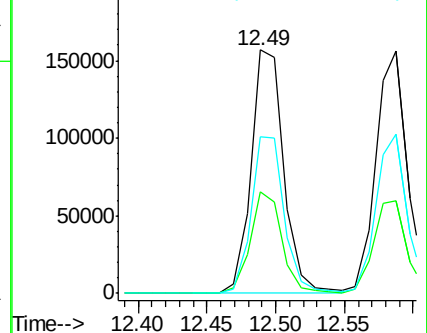
148 64.3 32.9 98.6



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: 52.902 ug/l

RT: 12.59 min Scan# 1212

Delta R.T. 0.03 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

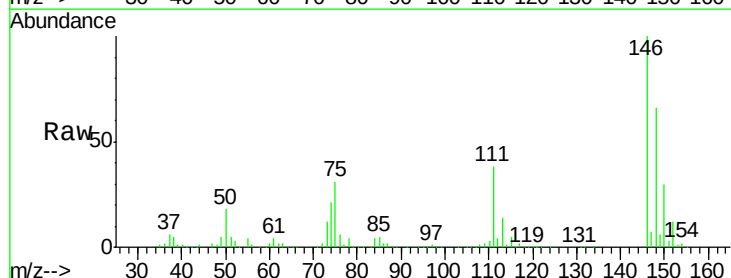
Tgt Ion:146 Resp: 251503

Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

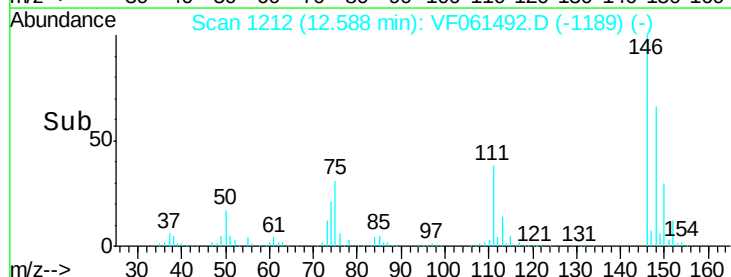
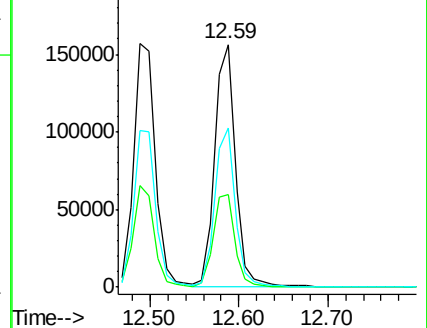
148 65.9 32.1 96.5

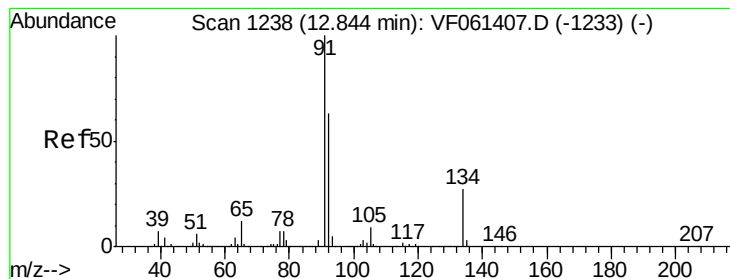


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 53.965 ug/l

RT: 12.86 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

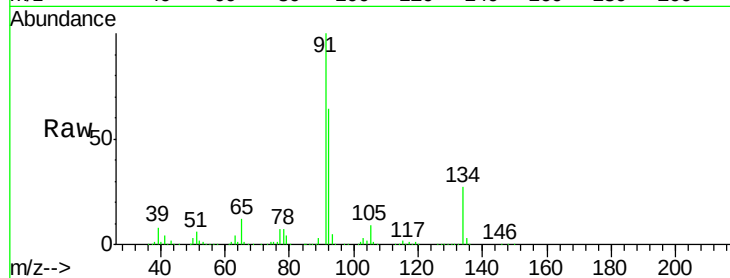
Tot Ion: 91 Resp: 617352

Ion Ratio Lower Upper

91 100

92 63.8 31.6 94.7

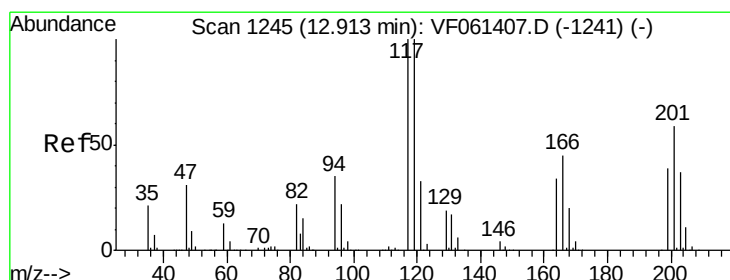
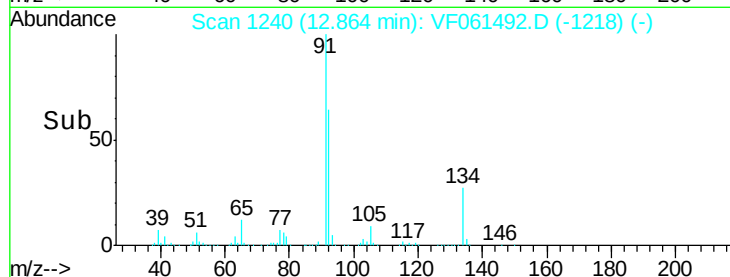
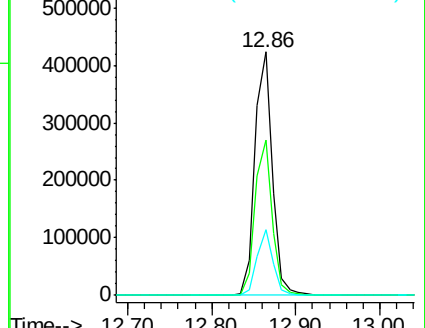
134 26.9 13.6 40.8



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: 62.427 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VF061492.D

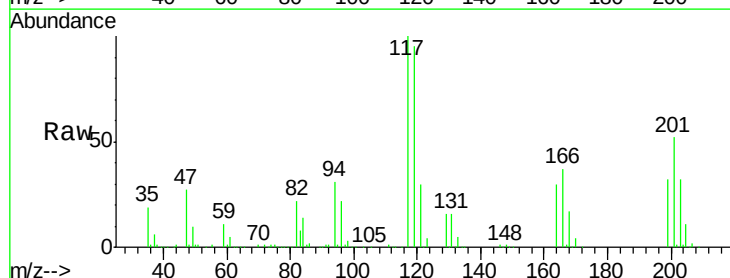
Acq: 24 Jan 2019 10:54

Tgt Ion: 117 Resp: 163235

Ion Ratio Lower Upper

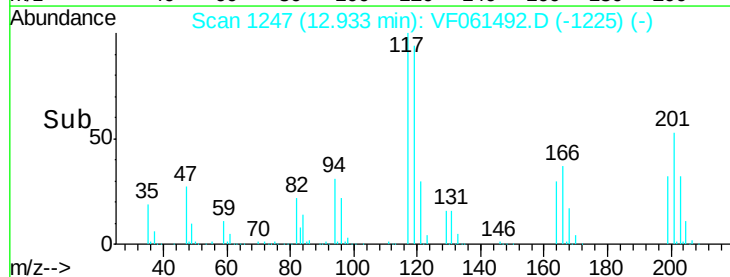
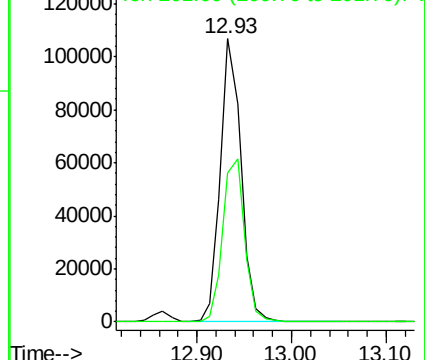
117 100

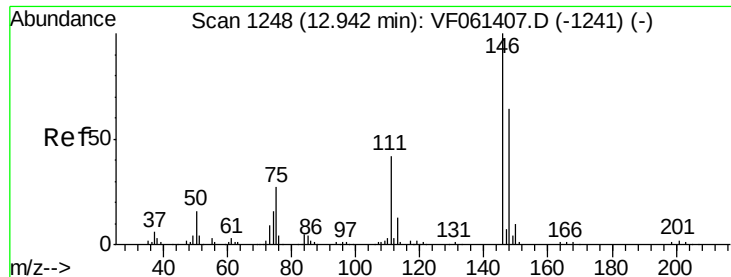
201 53.6 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

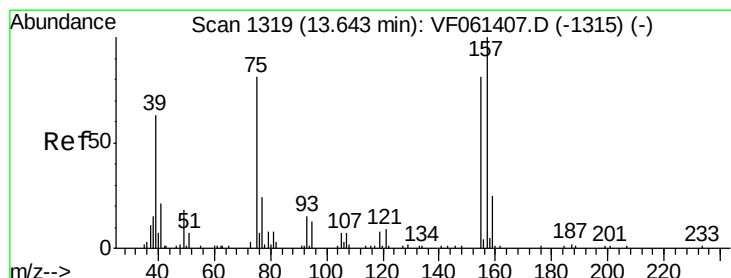
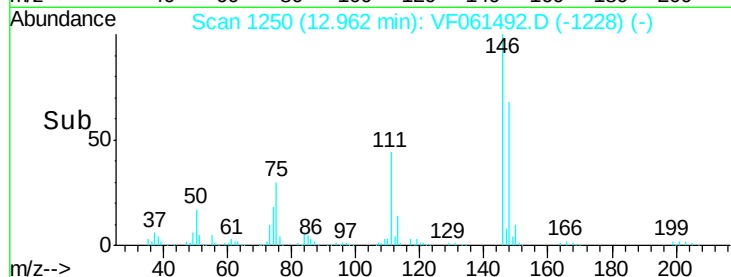
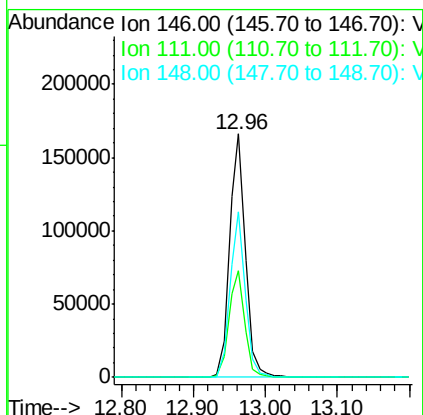
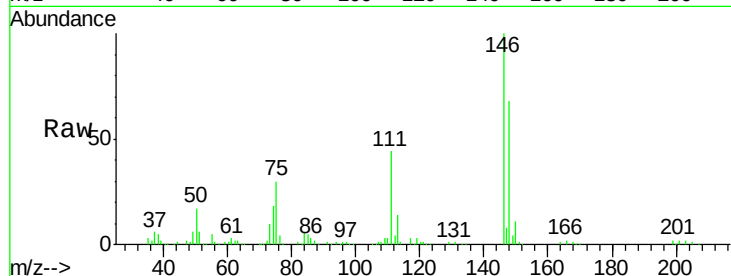




#91
 1,2-Dichlorobenzene
 Concen: 53.689 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

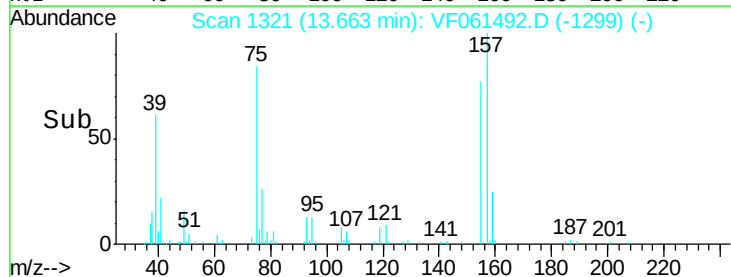
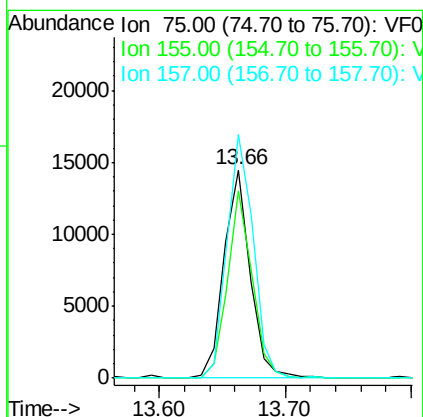
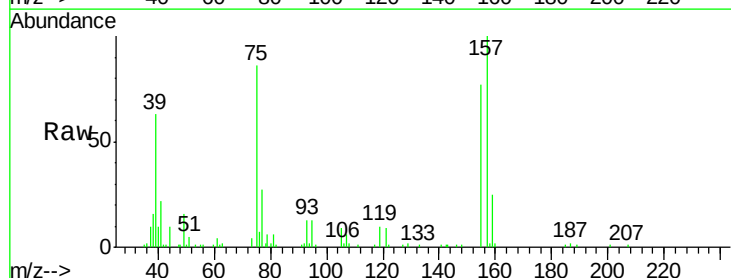
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

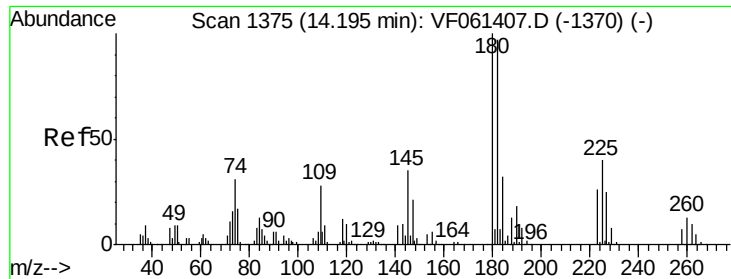
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	68.1	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.447 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	49.7	149.1
157	116.9	61.4	184.1

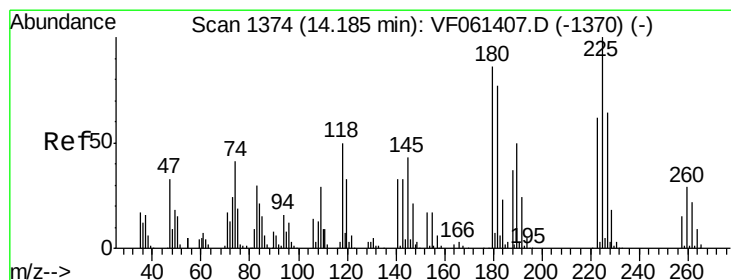
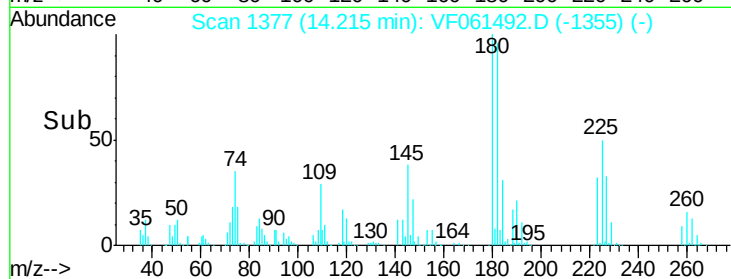
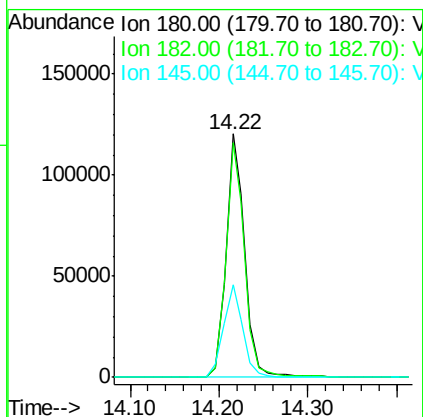
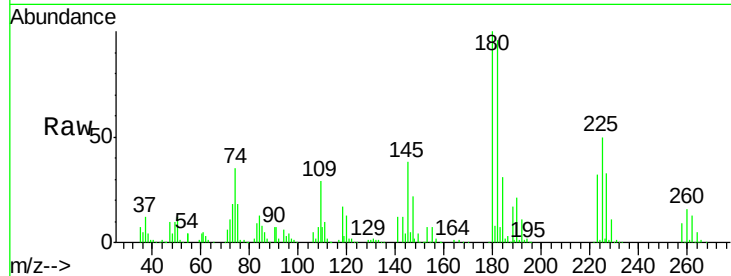




#93
 1,2,4-Trichlorobenzene
 Concen: 54.027 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

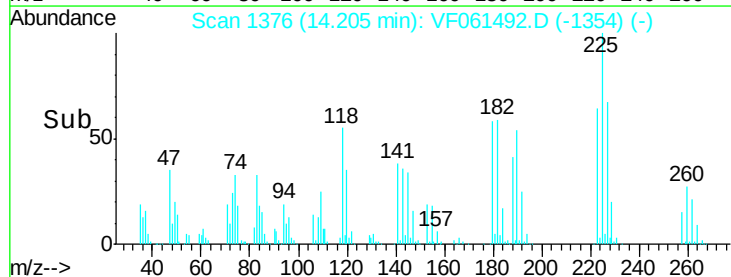
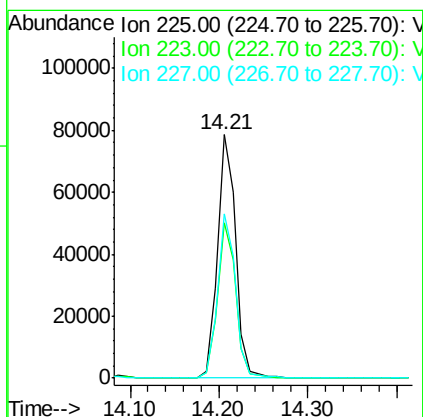
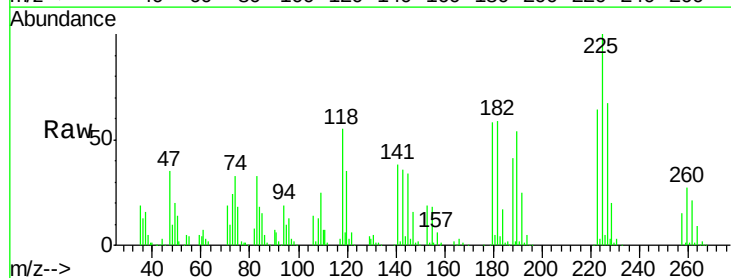
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

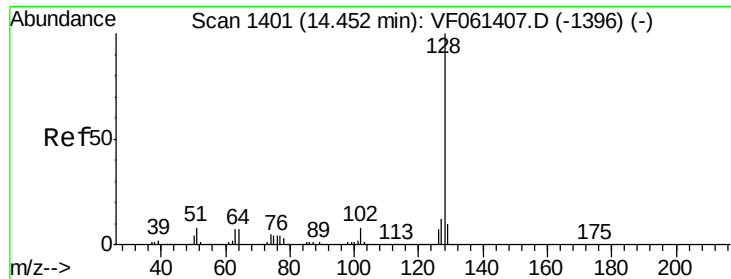
Tot Ion:180 Resp: 178121
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.6
 145 38.0 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 54.895 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.02 min
 Lab File: VF061492.D
 Acq: 24 Jan 2019 10:54

Tgt Ion:225 Resp: 112303
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.2
 227 67.5 32.2 96.6





#95

Naphthalene

Concen: 53.381 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

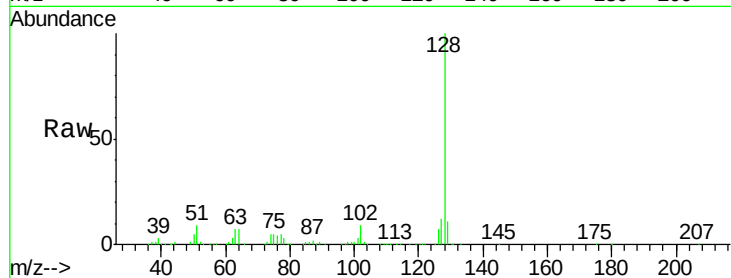
Tot Ion:128 Resp: 334369

Ion Ratio Lower Upper

128 100

127 12.2 9.5 14.3

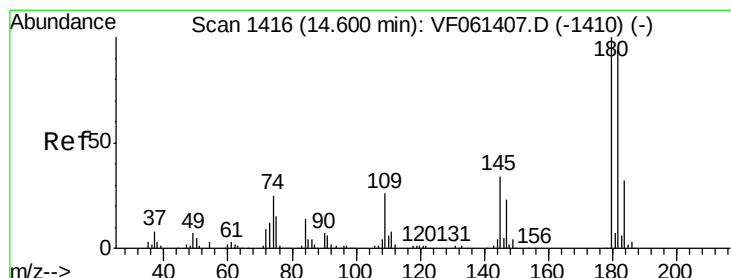
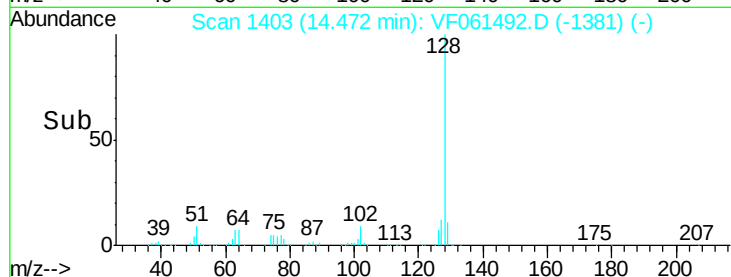
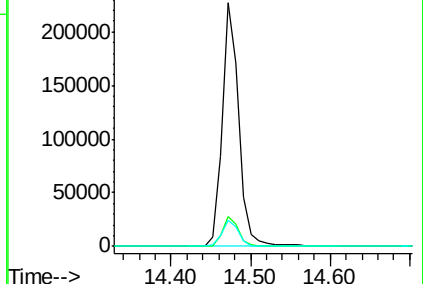
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.348 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. 0.02 min

Lab File: VF061492.D

Acq: 24 Jan 2019 10:54

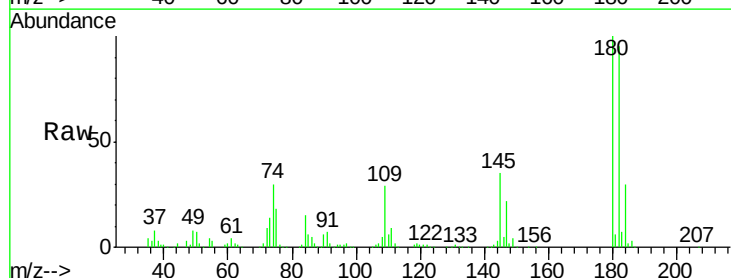
Tgt Ion:180 Resp: 162815

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.2

145 35.1 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

