

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012119\
 Data File : VF061468.D
 Acq On : 21 Jan 2019 11:39
 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 22 06:27:36 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	4.87	168	178333	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.59	114	295049	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	301041	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	141627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	100620	45.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.40%	
35) Dibromofluoromethane	4.12	113	119327	51.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	7.56	98	347480	54.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.41	95	148067	49.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	178263	50.874	ug/l	94
3) Chloromethane	1.09	50	147127	57.264	ug/l	99
4) Vinyl Chloride	1.14	62	131194	57.403	ug/l	95
5) Bromomethane	1.30	94	81008	54.355	ug/l	89
6) Chloroethane	1.37	64	58414	57.681	ug/l	95
7) Trichlorofluoromethane	1.48	101	223307	50.260	ug/l	99
8) Diethyl Ether	1.63	74	30644	53.827	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	109000	51.057	ug/l	95
10) Methyl Iodide	1.89	142	112854	34.098	ug/l	92
11) Tert butyl alcohol	2.56	59	21960	235.632	ug/l #	93
12) 1,1-Dichloroethene	1.78	96	94543	59.608	ug/l	90
13) Acrolein	1.99	56	27430	337.914	ug/l	90
14) Allyl chloride	2.09	41	164050	85.493	ug/l	83
15) Acrylonitrile	2.93	53	59246	248.180	ug/l	99
16) Acetone	2.23	43	139614	316.085	ug/l	93
17) Carbon Disulfide	1.77	76	296694	59.992	ug/l	95
18) Methyl Acetate	2.34	43	40852	46.637	ug/l #	86
19) Methyl tert-butyl Ether	2.43	73	171608	48.265	ug/l	98
20) Methylene Chloride	2.18	84	63488	42.064	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	97447	55.841	ug/l	97
22) Diisopropyl ether	2.79	45	304728	53.988	ug/l	98
23) Vinyl Acetate	3.19	43	613477	247.142	ug/l	99
24) 1,1-Dichloroethane	2.87	63	184116	51.973	ug/l	98
25) 2-Butanone	4.32	43	181664	247.322	ug/l	97
26) 2,2-Dichloropropane	3.60	77	119904	55.090	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	133356	51.769	ug/l	97
28) Bromochloromethane	3.72	49	74389	46.715	ug/l	88
29) Tetrahydrofuran	4.07	42	75642	239.161	ug/l	97
30) Chloroform	3.86	83	228014	47.693	ug/l	98
31) Cyclohexane	3.69	56	186845	52.801	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	190861	54.446	ug/l	97
36) 1,1-Dichloropropene	4.28	75	177515	51.891	ug/l	95
37) Ethyl Acetate	4.11	43	64812	47.396	ug/l #	69
38) Carbon Tetrachloride	4.00	117	168540	56.354	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	206054	55.580	ug/l	97
40) Benzene	4.64	78	394182	51.783	ug/l	97
41) Methacrylonitrile	4.75	41	34415	47.297	ug/l	93
42) 1,2-Dichloroethane	4.94	62	131200	48.368	ug/l	96
43) Isopropyl Acetate	6.96	43	81408	47.433	ug/l #	90
44) Trichloroethene	5.51	130	119758	51.285	ug/l	100
45) 1,2-Dichloropropane	6.24	63	104732	52.422	ug/l	99
46) Dibromomethane	6.09	93	65318	49.169	ug/l	97
47) Bromodichloromethane	6.38	83	168012	51.117	ug/l	98
48) Methyl methacrylate	6.72	41	56152	48.723	ug/l	92
49) 1,4-Dioxane	6.71	88	9039	1132.809	ug/l #	70
51) 4-Methyl-2-Pentanone	8.26	43	314629	249.364	ug/l	96
52) Toluene	7.63	92	262304	52.326	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	134715	51.616	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	172725	52.945	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	74898	52.615	ug/l	99
56) Ethyl methacrylate	8.62	69	82441	49.778	ug/l	95
57) 1,3-Dichloropropane	8.85	76	131740	49.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	34987	206.801	ug/l	98
59) 2-Hexanone	9.49	43	250092	284.252	ug/l	98
60) Dibromochloromethane	8.71	129	109521	52.626	ug/l	94
61) 1,2-Dibromoethane	8.99	107	77347	47.463	ug/l	88
64) Tetrachloroethene	8.15	164	107735	47.589	ug/l	99
65) Chlorobenzene	9.80	112	304636	49.762	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	118631	48.644	ug/l	98
67) Ethyl Benzene	9.91	91	542486	48.501	ug/l	98
68) m/p-Xylenes	10.13	106	368173	91.520	ug/l	98
69) o-Xylene	10.71	106	206517	47.366	ug/l	93
70) Styrene	10.79	104	292765	49.054	ug/l	94
71) Bromoform	10.77	173	51637	47.125	ug/l #	94
73) Isopropylbenzene	11.13	105	608814	52.854	ug/l	100
74) N-amyl acetate	11.38	43	135575	49.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	97190	47.363	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	69826	47.356	ug/l	100
77) Bromobenzene	11.49	156	117259	48.202	ug/l	90
78) n-propylbenzene	11.59	91	709943	50.691	ug/l	100
79) 2-Chlorotoluene	11.72	91	406428	50.853	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	489122	52.617	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	43644	68.090	ug/l	93
82) 4-Chlorotoluene	11.90	91	404786	50.191	ug/l	99
83) tert-Butylbenzene	12.13	119	490260	50.955	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	474973	49.605	ug/l	98
85) sec-Butylbenzene	12.30	105	663368	50.770	ug/l	96
86) p-Isopropyltoluene	12.46	119	542945	50.620	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	227008	46.599	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	225453	49.044	ug/l	96
89) n-Butylbenzene	12.85	91	562848	50.883	ug/l	98
90) Hexachloroethane	12.91	117	137899	54.541	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	220482	48.450	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	17156	47.136	ug/l	86

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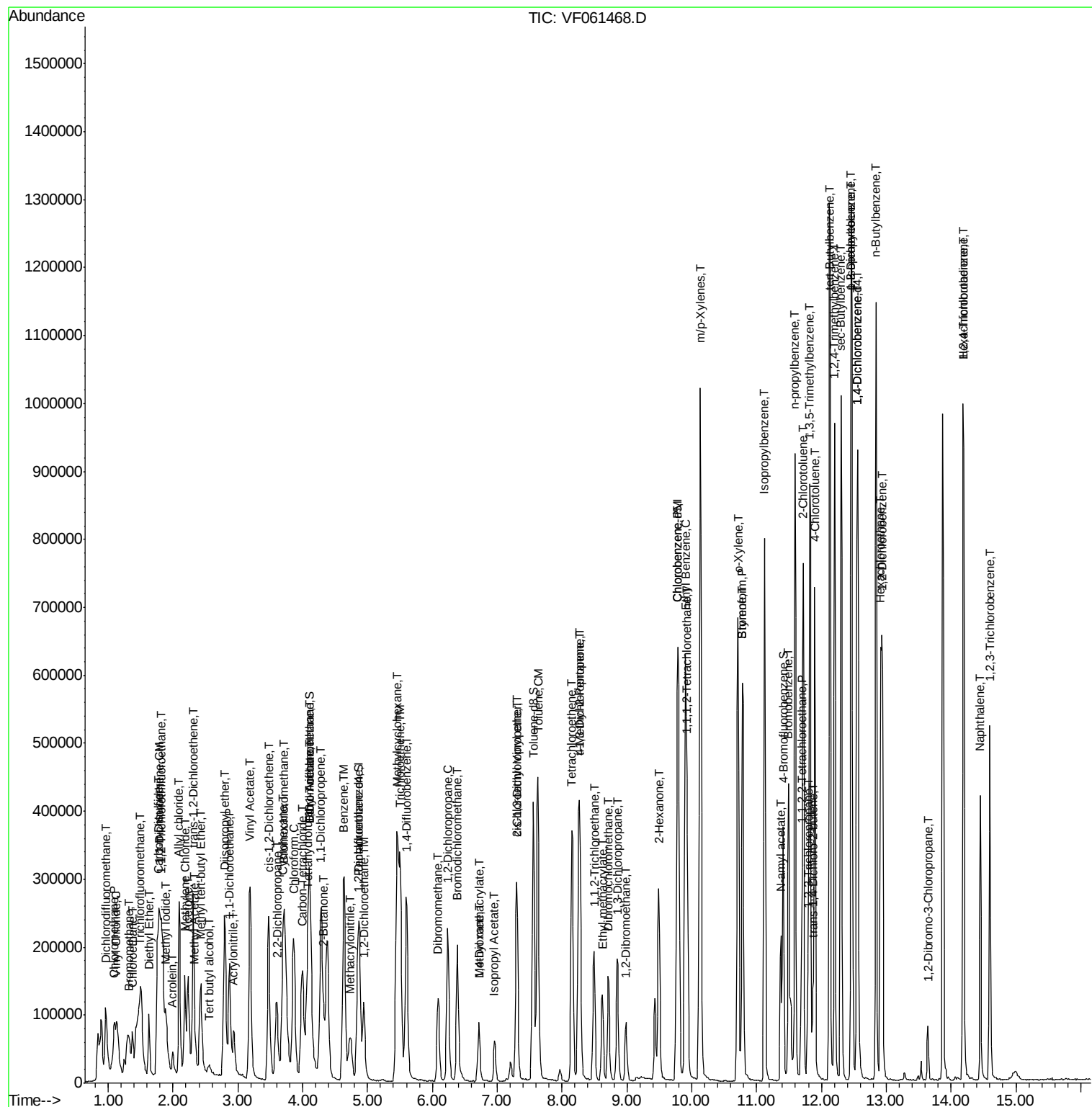
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	146293	45.890	ug/l	98
94) Hexachlorobutadiene	14.19	225	99322	50.209	ug/l	98
95) Naphthalene	14.45	128	278964	46.058	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	135430	45.892	ug/l	98

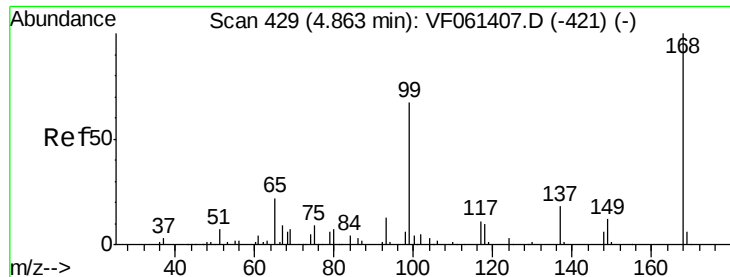
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

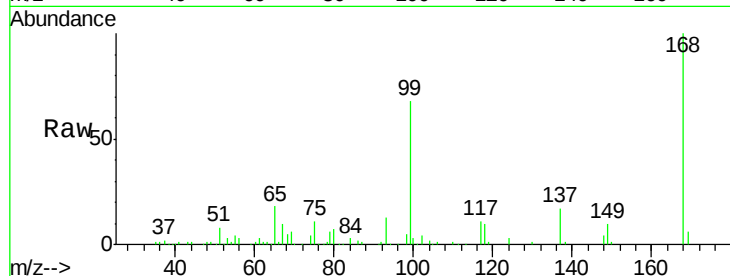
VSTDCCC050

Tot Ion:168 Resp: 178333

Ion Ratio Lower Upper

168 100

99 68.5 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

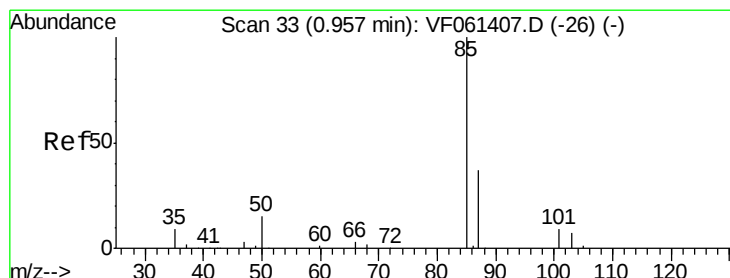
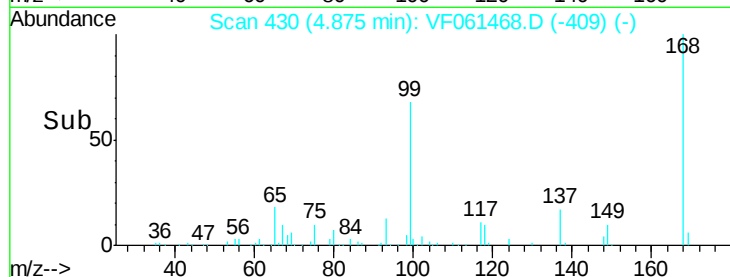
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 50.874 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061468.D

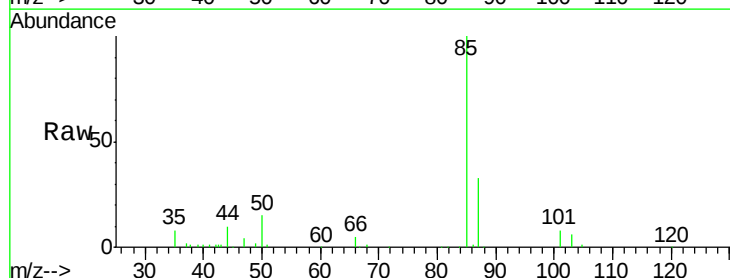
Acq: 21 Jan 2019 11:39

Tgt Ion: 85 Resp: 178263

Ion Ratio Lower Upper

85 100

87 33.3 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

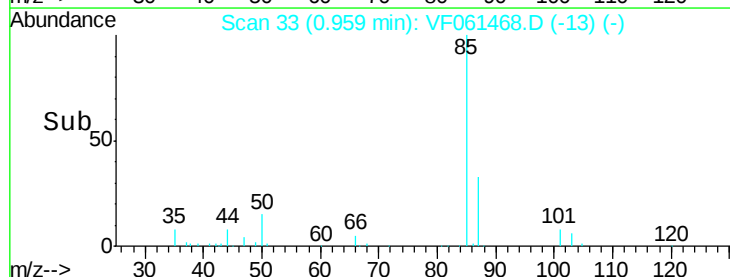
30000

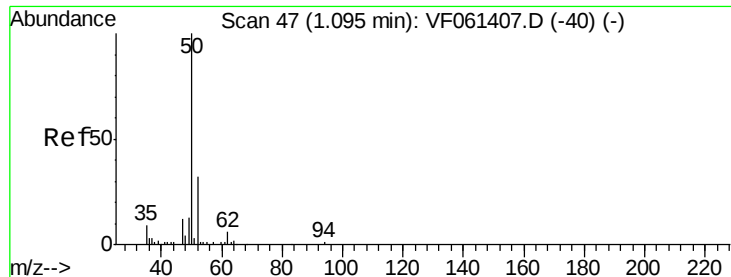
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 57.264 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

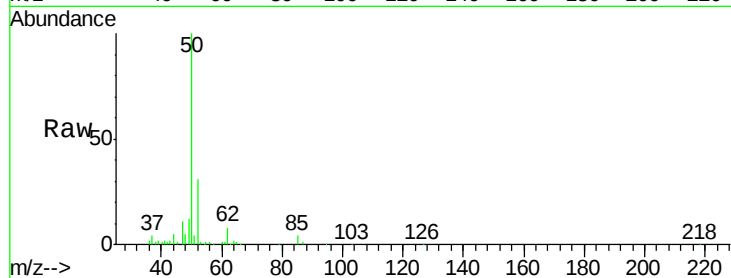
VSTDCCC050

Tot Ion: 50 Resp: 147127

Ion Ratio Lower Upper

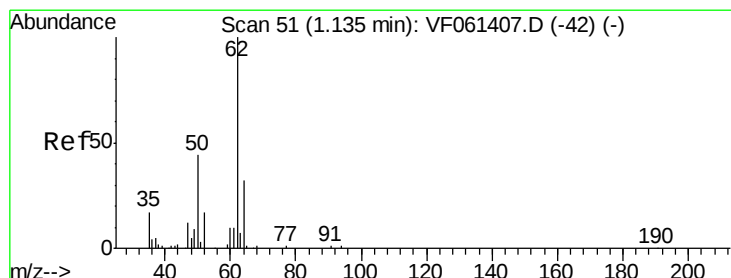
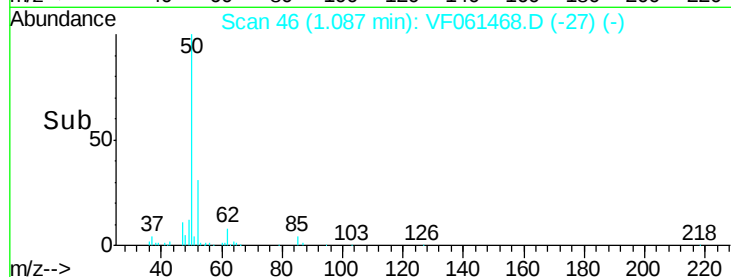
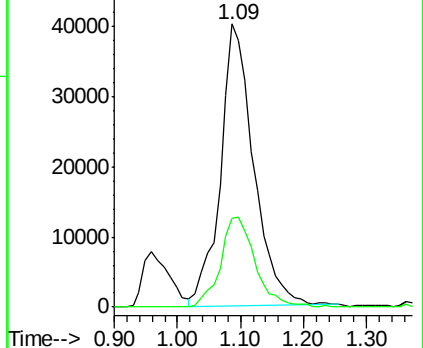
50 100

52 31.3 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 57.403 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061468.D

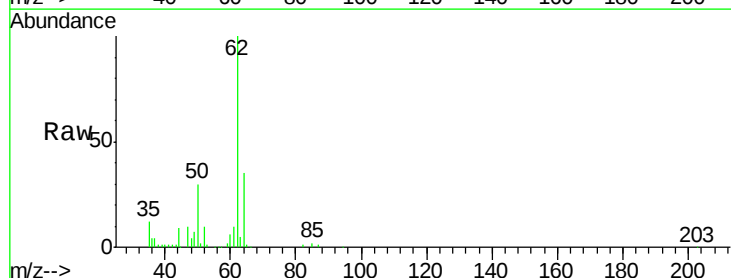
Acq: 21 Jan 2019 11:39

Tgt Ion: 62 Resp: 131194

Ion Ratio Lower Upper

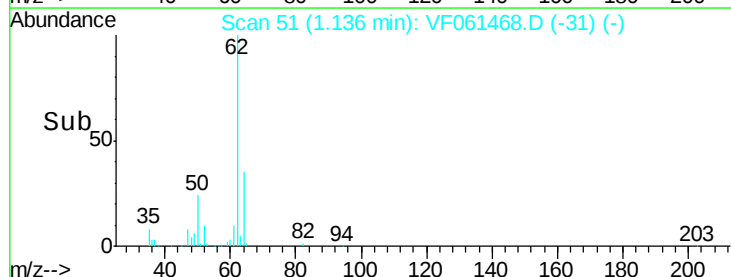
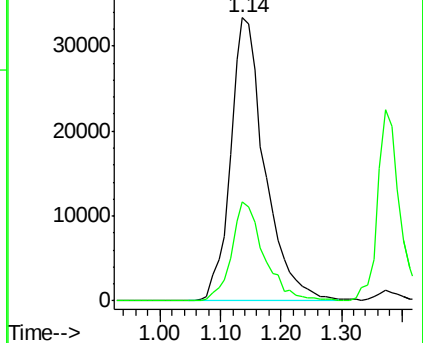
62 100

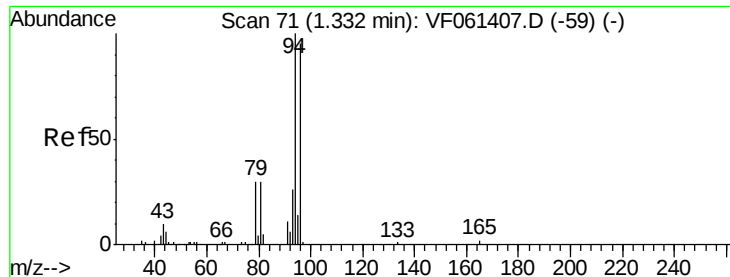
64 35.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 54.355 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

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ClientSampleId :

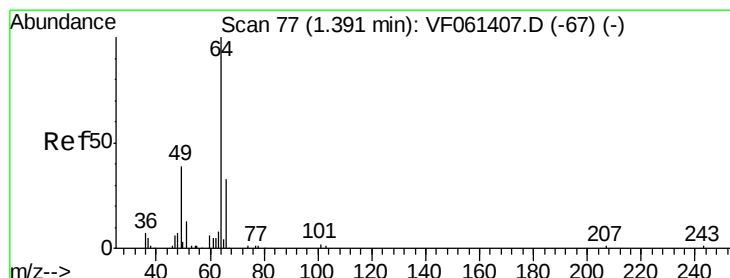
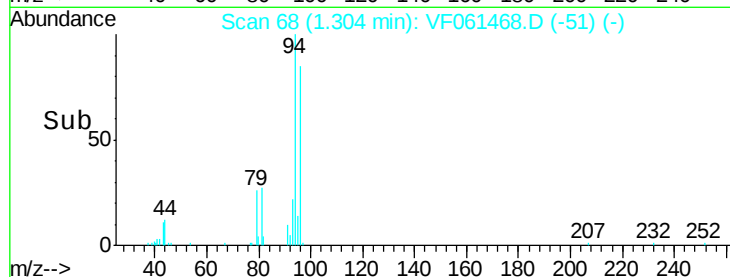
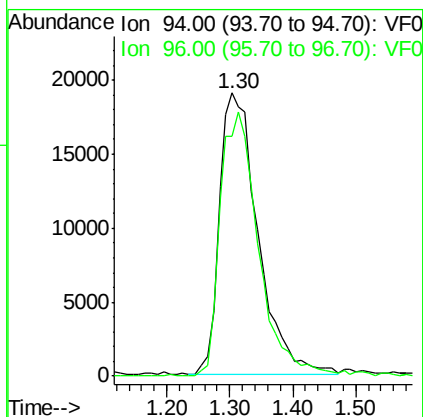
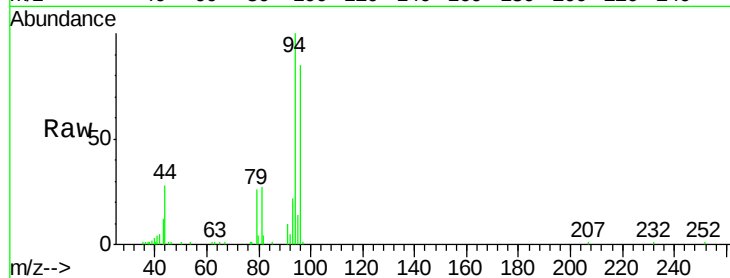
VSTDCCC050

Tot Ion: 94 Resp: 81008

Ion Ratio Lower Upper

94 100

96 84.5 76.0 114.0



#6

Chloroethane

Concen: 57.681 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061468.D

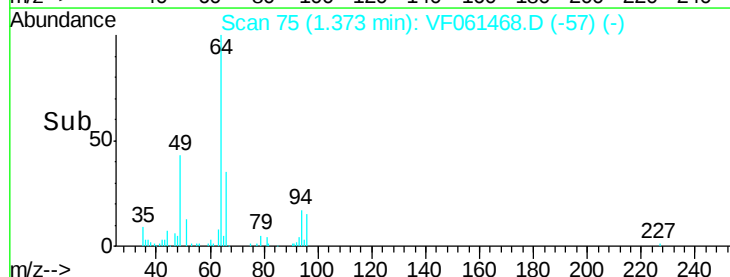
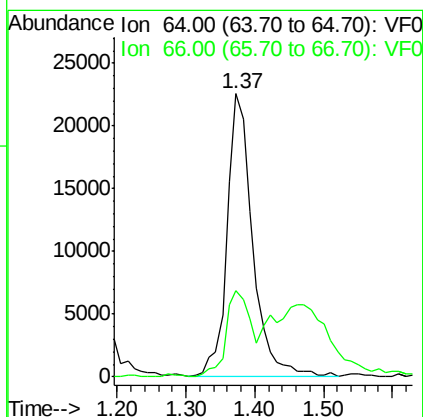
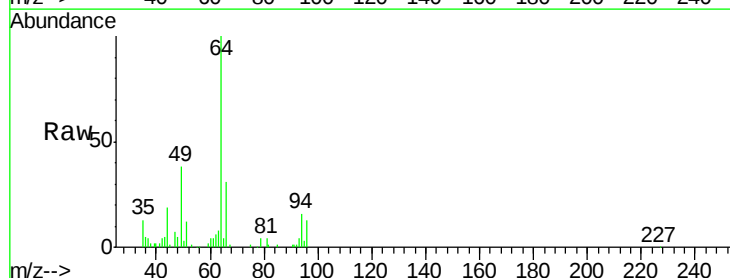
Acq: 21 Jan 2019 11:39

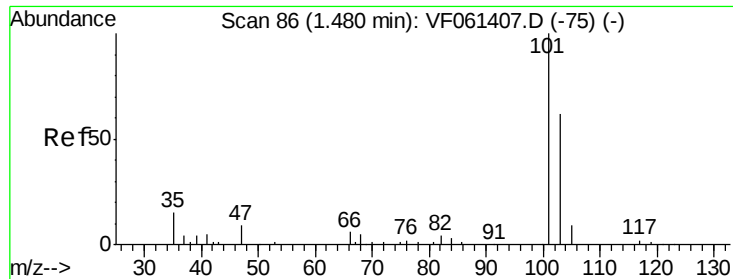
Tgt Ion: 64 Resp: 58414

Ion Ratio Lower Upper

64 100

66 30.6 26.6 40.0





#7

Trichlorofluoromethane

Concen: 50.260 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

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ClientSampleId :

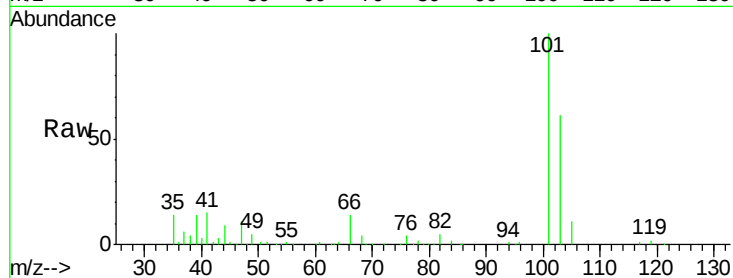
VSTDCCC050

Tot Ion:101 Resp: 223307

Ion Ratio Lower Upper

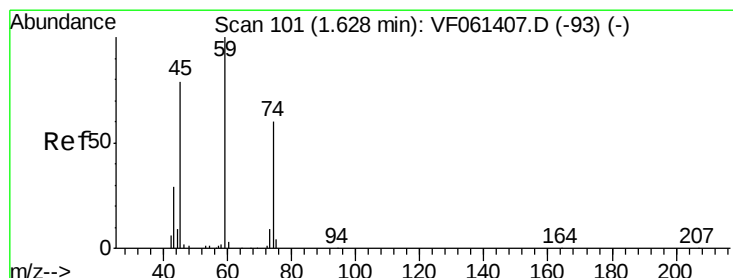
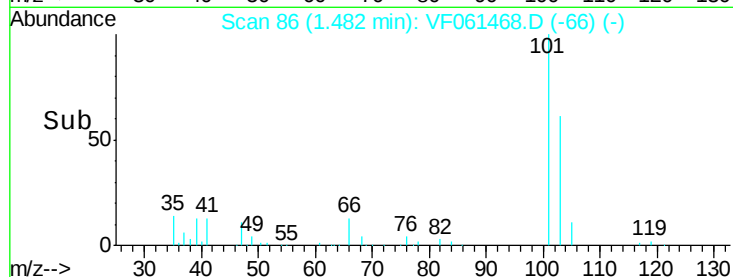
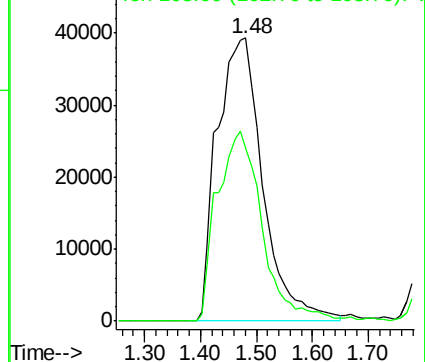
101 100

103 61.1 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.827 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061468.D

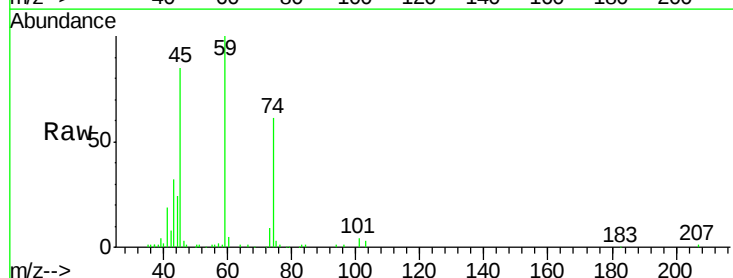
Acq: 21 Jan 2019 11:39

Tgt Ion: 74 Resp: 30644

Ion Ratio Lower Upper

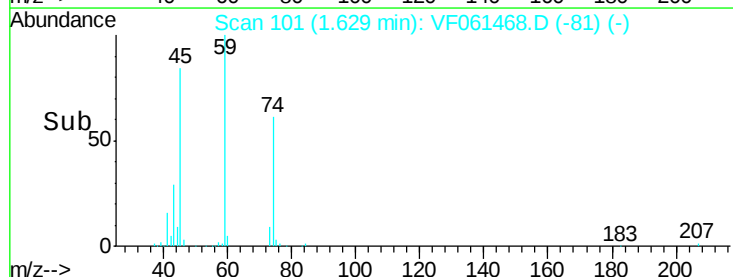
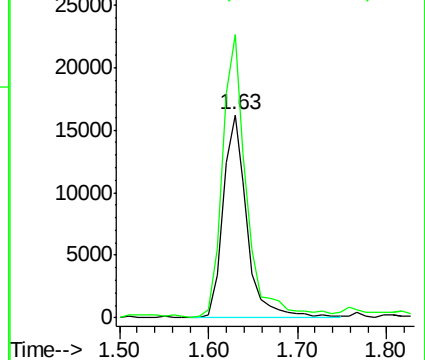
74 100

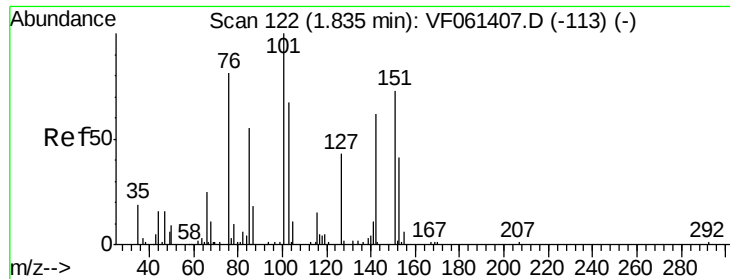
45 139.3 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.057 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.02 min

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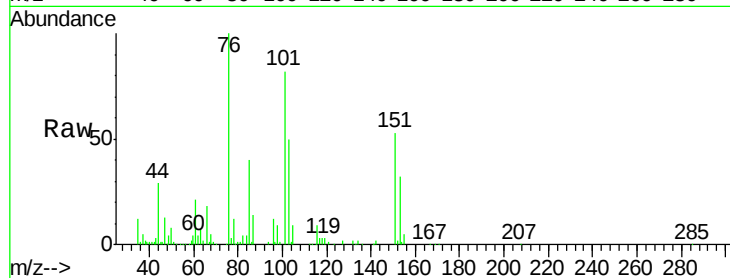
Tot Ion:101 Resp: 109000

Ion Ratio Lower Upper

101 100

85 49.2 41.9 62.9

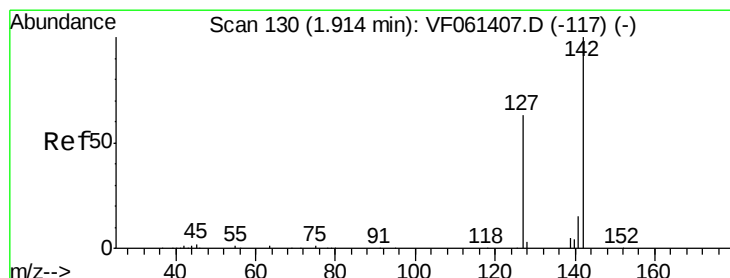
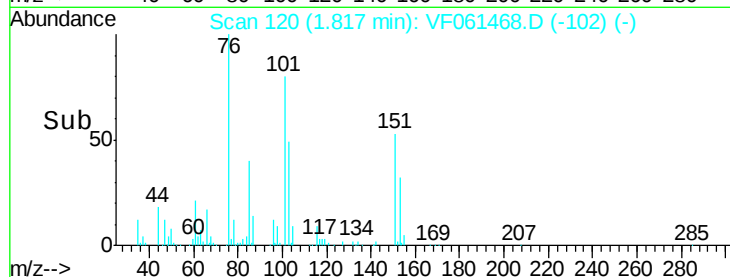
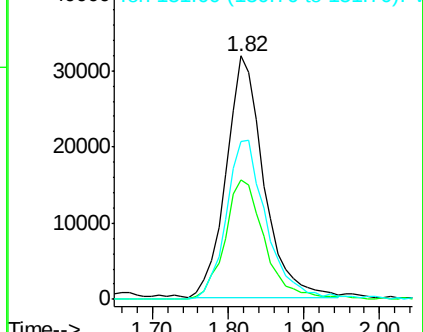
151 65.1 55.1 82.7



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: 34.098 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

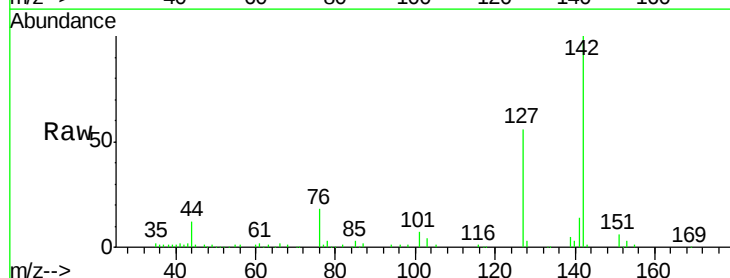
Tgt Ion:142 Resp: 112854

Ion Ratio Lower Upper

142 100

127 55.9 50.7 76.1

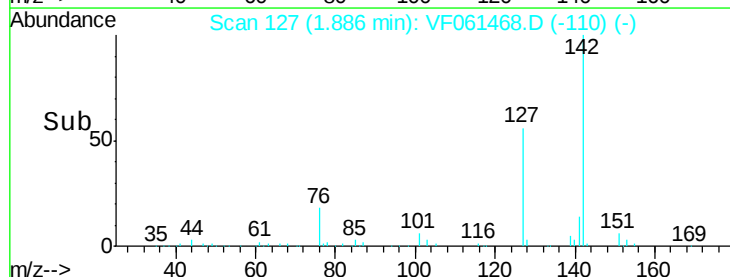
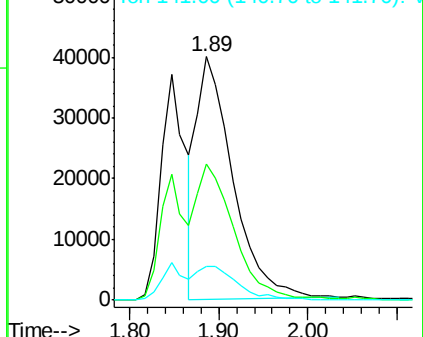
141 14.0 11.8 17.6

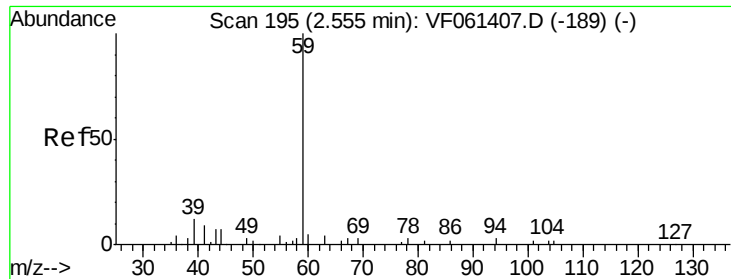


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



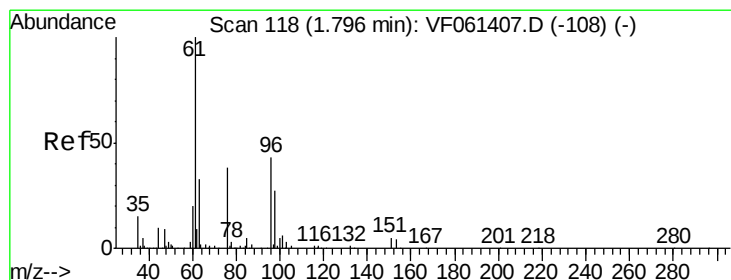
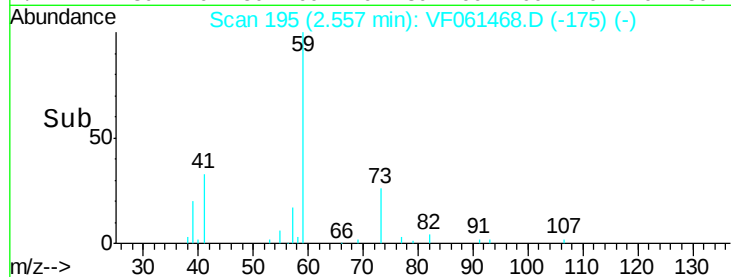
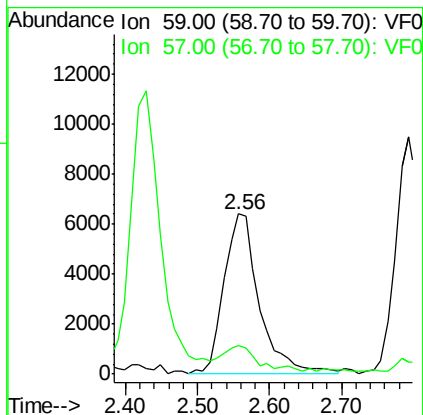
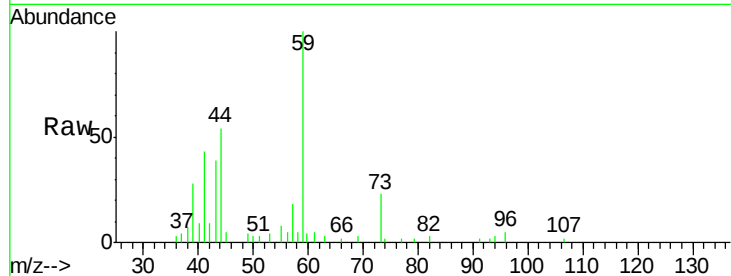


#11

Tert butyl alcohol
 Concen: 235.632 ug/l
 RT: 2.56 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

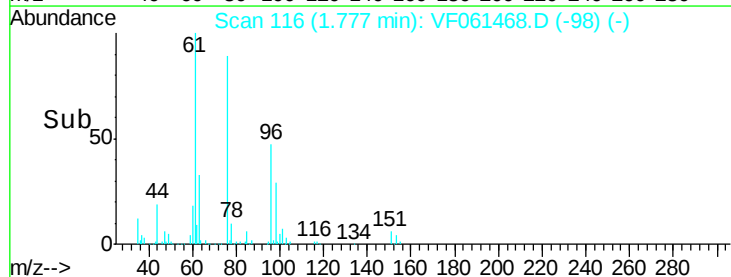
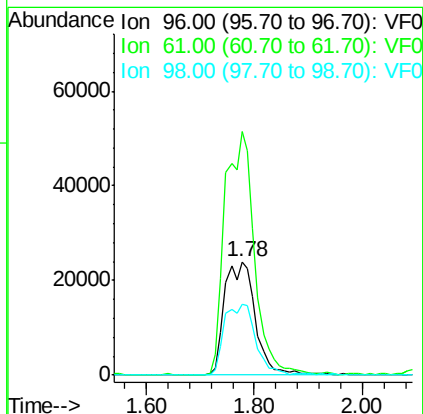
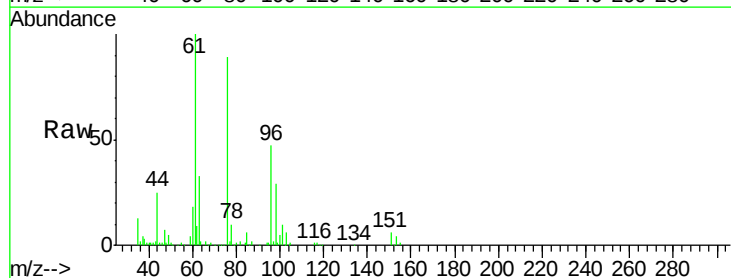
Tot Ion: 59 Resp: 21960
 Ion Ratio Lower Upper
 59 100
 57 18.0 11.9 17.9#

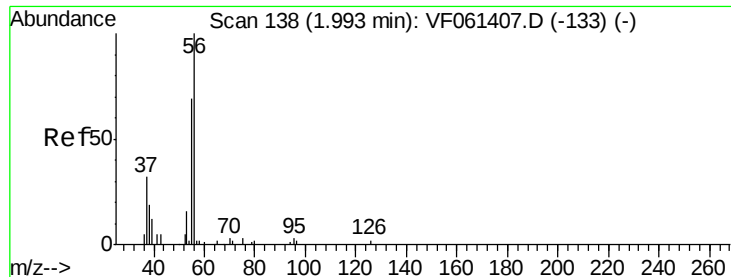


#12

1,1-Dichloroethene
 Concen: 59.608 ug/l
 RT: 1.78 min Scan# 116
 Delta R.T. -0.02 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Tgt Ion: 96 Resp: 94543
 Ion Ratio Lower Upper
 96 100
 61 214.5 186.9 280.3
 98 62.6 53.0 79.4





#13

Acrolein

Concen: 337.914 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

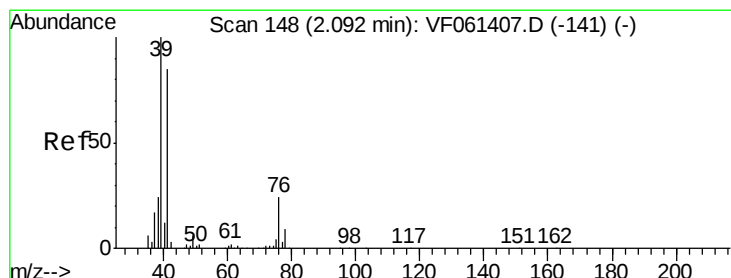
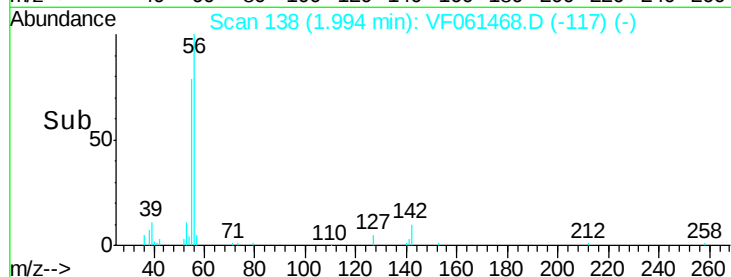
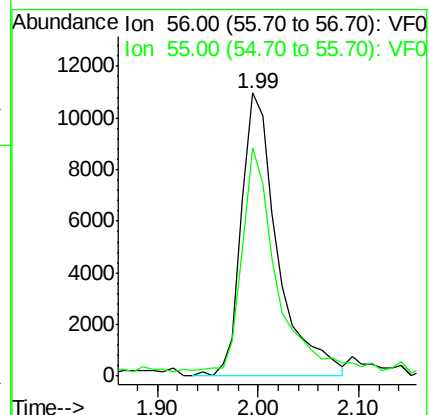
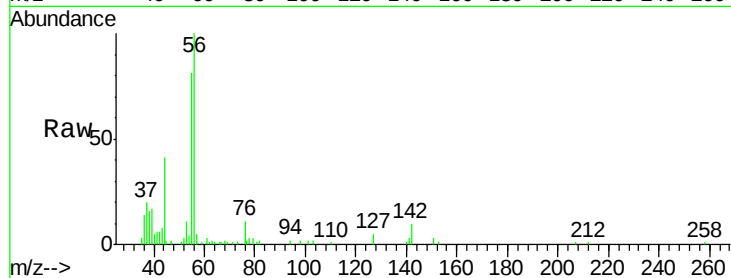
VSTDCCC050

Tot Ion: 56 Resp: 27430

Ion Ratio Lower Upper

56 100

55 80.6 57.5 86.3



#14

Allyl chloride

Concen: 85.493 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

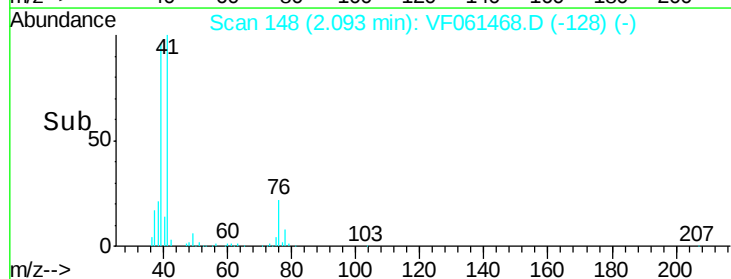
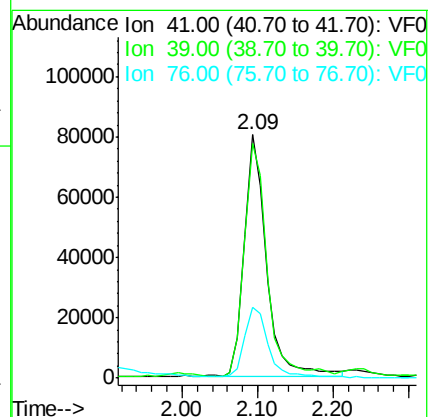
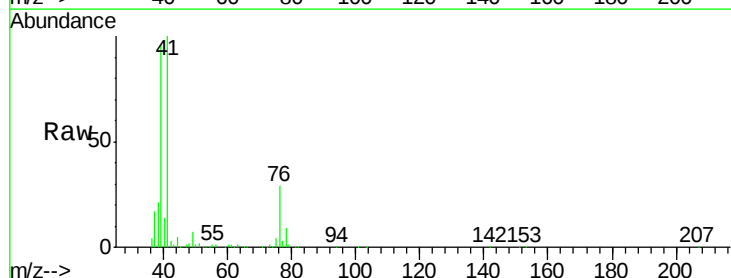
Tgt Ion: 41 Resp: 164050

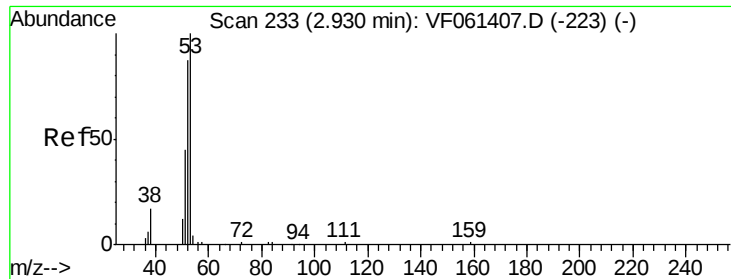
Ion Ratio Lower Upper

41 100

39 96.4 94.6 141.8

76 29.0 25.9 38.9





#15

Acrylonitrile

Concen: 248.180 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

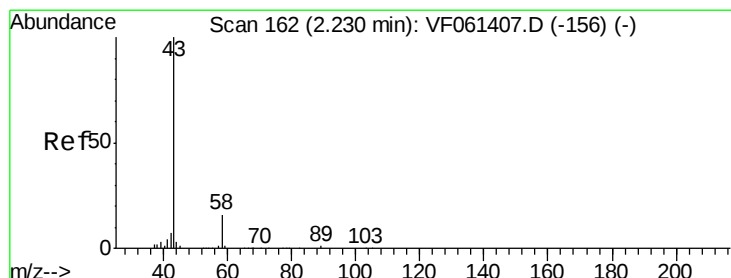
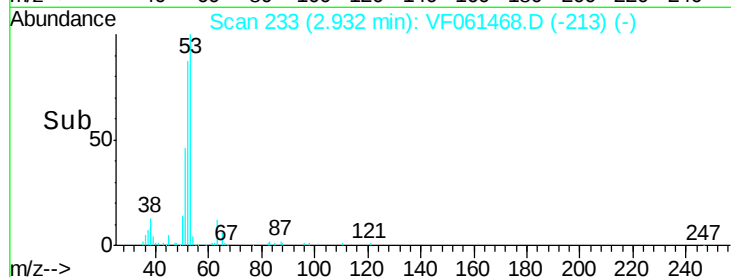
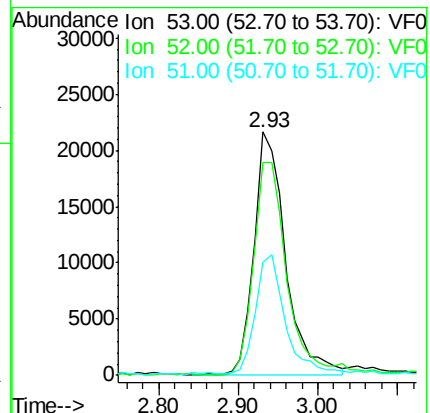
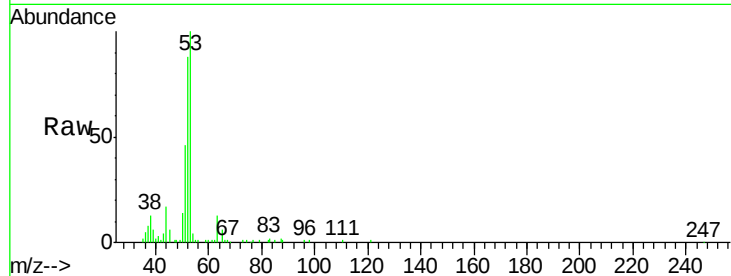
Tot Ion: 53 Resp: 59246

Ion Ratio Lower Upper

53 100

52 87.5 69.6 104.4

51 46.4 36.8 55.2



#16

Acetone

Concen: 316.085 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061468.D

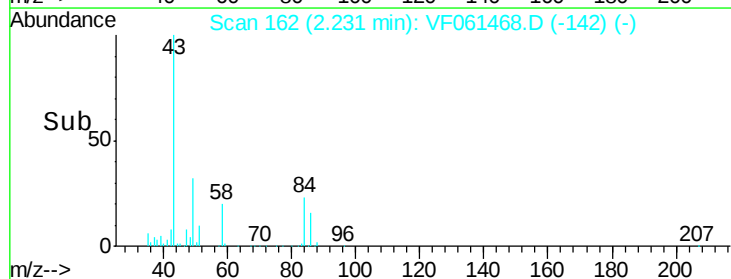
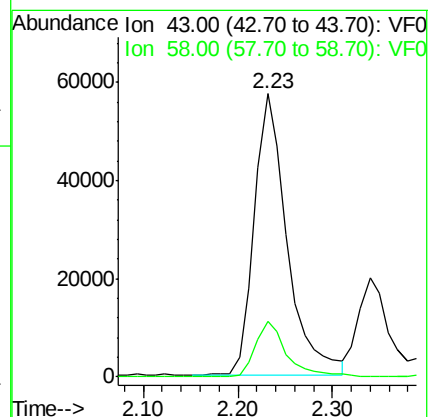
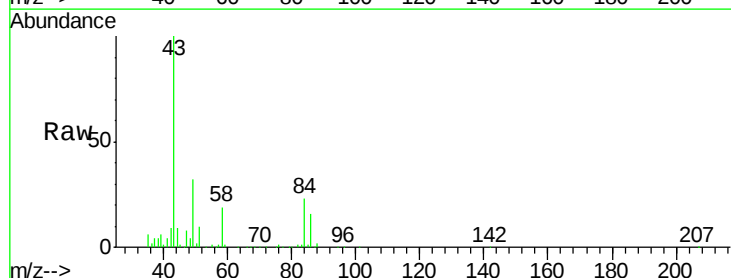
Acq: 21 Jan 2019 11:39

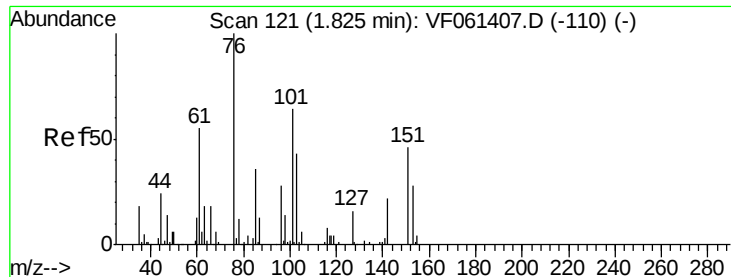
Tgt Ion: 43 Resp: 139614

Ion Ratio Lower Upper

43 100

58 19.4 13.3 19.9

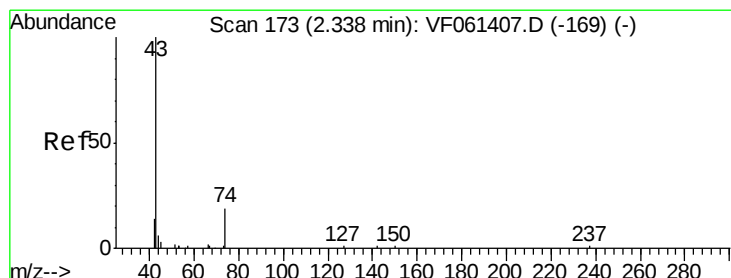
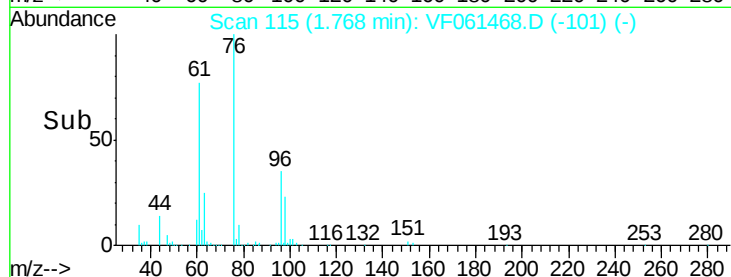
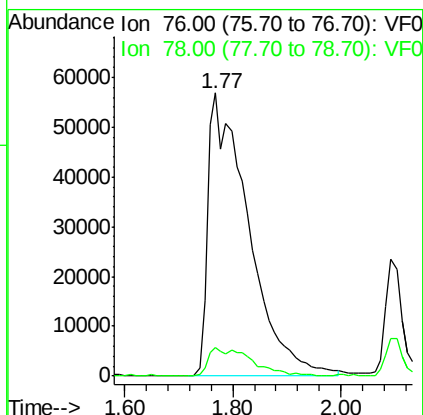
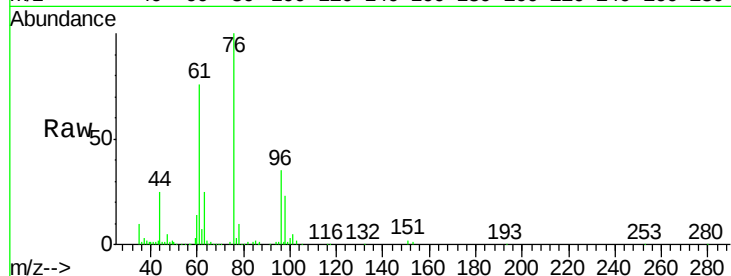




#17
Carbon Disulfide
Concen: 59.992 ug/l
RT: 1.77 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

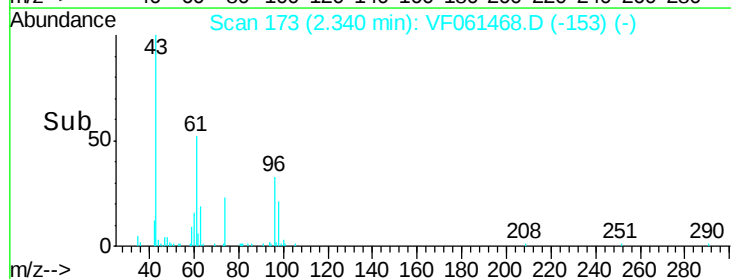
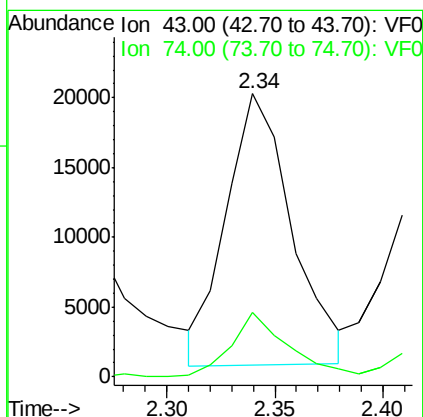
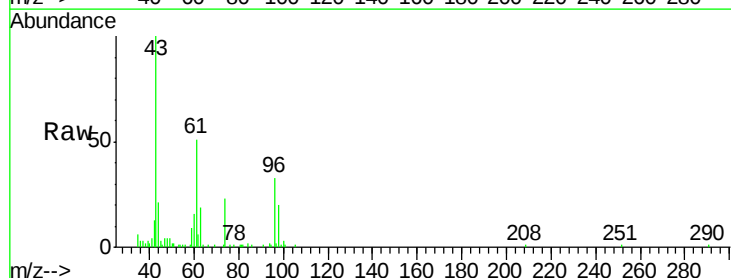
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

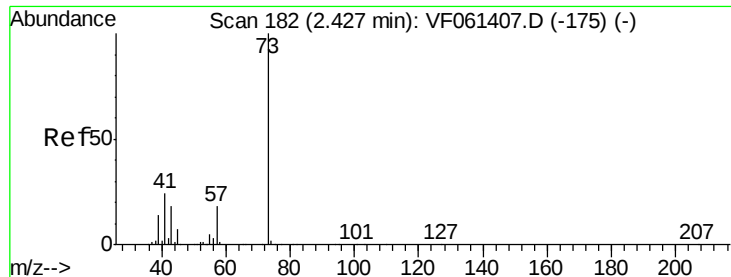
Tot Ion: 76 Resp: 296694
Ion Ratio Lower Upper
76 100
78 10.0 9.6 14.4



#18
Methyl Acetate
Concen: 46.637 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.00 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion: 43 Resp: 40852
Ion Ratio Lower Upper
43 100
74 22.8 13.4 20.0#



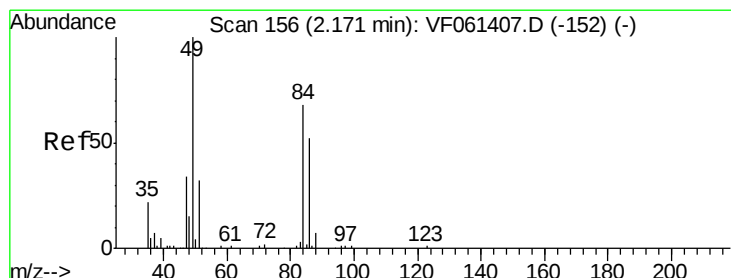
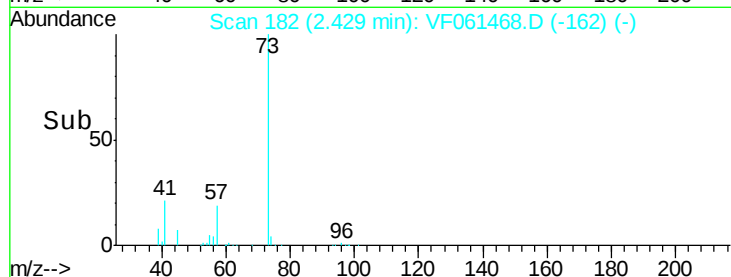
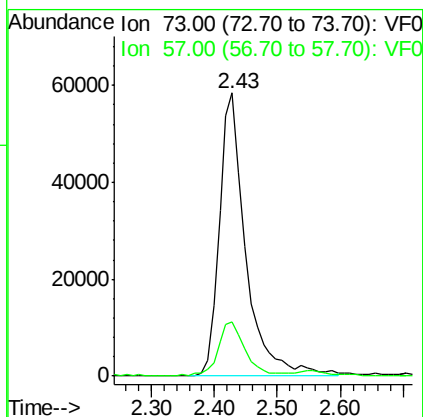
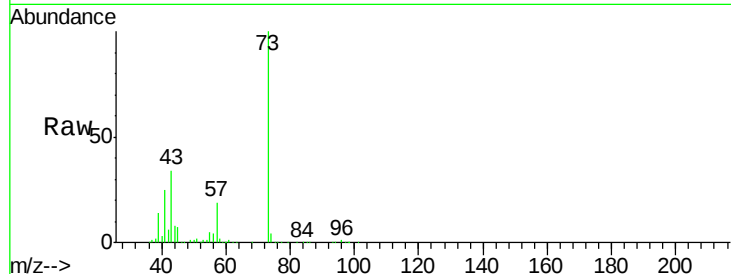


#19

Methyl tert-butyl Ether
 Concen: 48.265 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

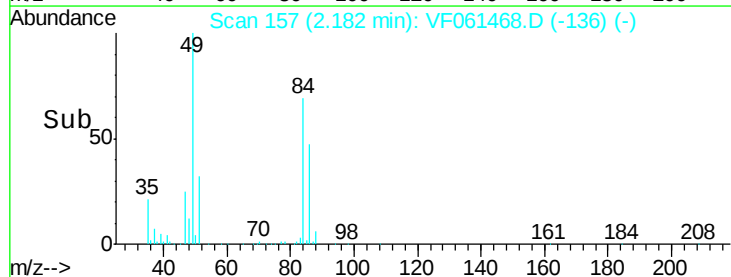
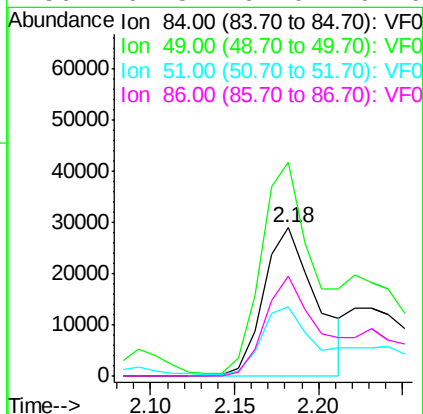
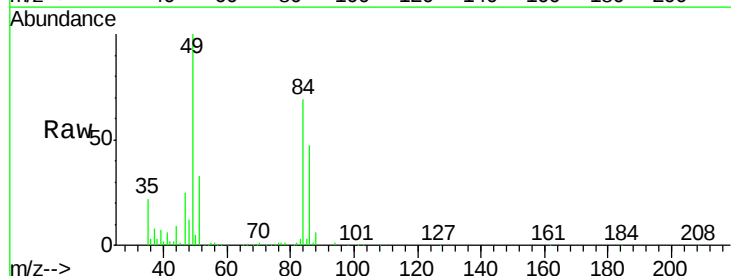
Tot Ion: 73 Resp: 171608
 Ion Ratio Lower Upper
 73 100
 57 19.4 14.8 22.2

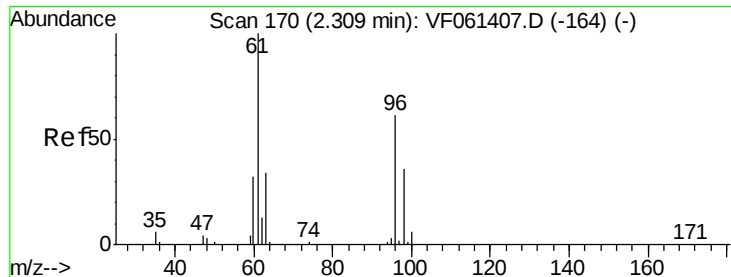


#20

Methylene Chloride
 Concen: 42.064 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Tgt Ion: 84 Resp: 63488
 Ion Ratio Lower Upper
 84 100
 49 144.0 120.0 180.0
 51 47.0 38.6 58.0
 86 67.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 55.841 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

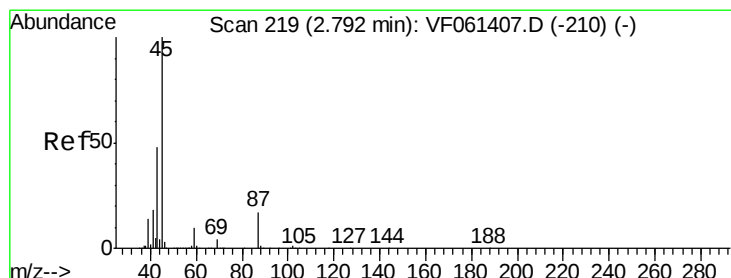
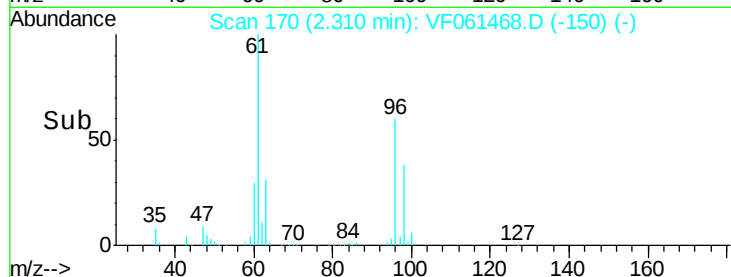
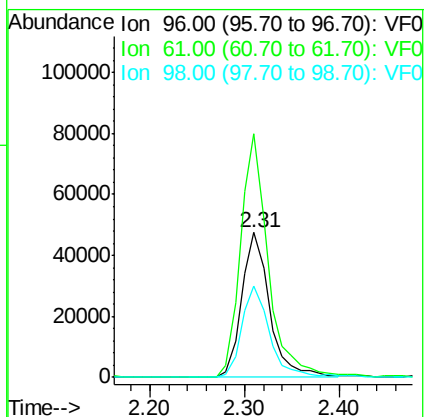
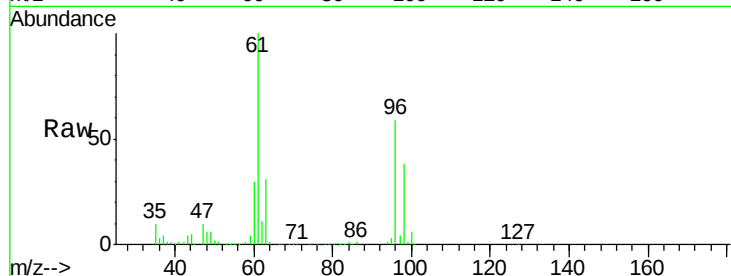
Tot Ion: 96 Resp: 97447

Ion Ratio Lower Upper

96 100

61 168.3 131.8 197.8

98 63.1 47.4 71.0



#22

Diisopropyl ether

Concen: 53.988 ug/l

RT: 2.79 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Tgt Ion: 45 Resp: 304728

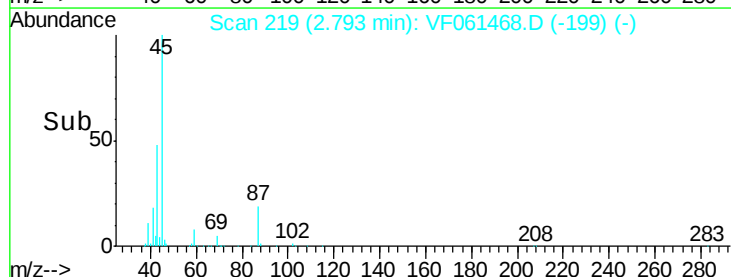
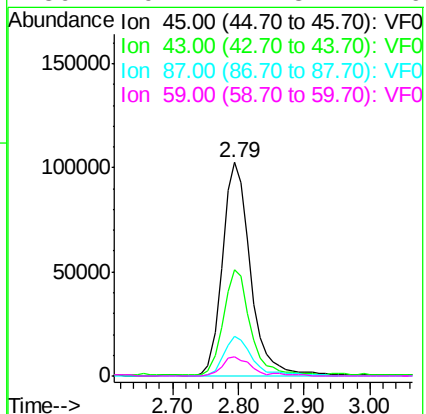
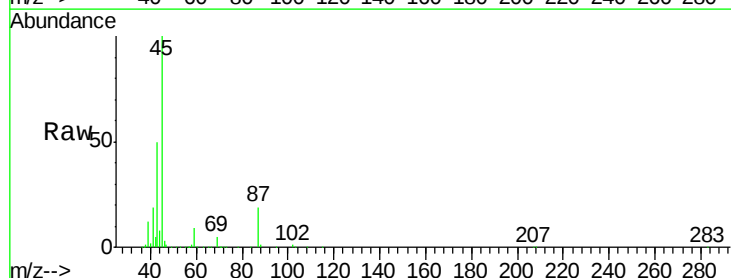
Ion Ratio Lower Upper

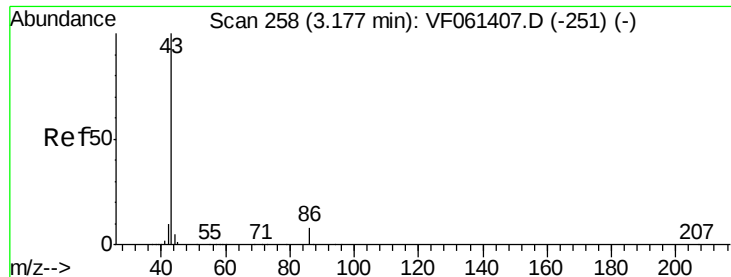
45 100

43 49.6 39.0 58.6

87 18.9 13.9 20.9

59 9.2 7.8 11.6





#23

Vinyl Acetate

Concen: 247.142 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

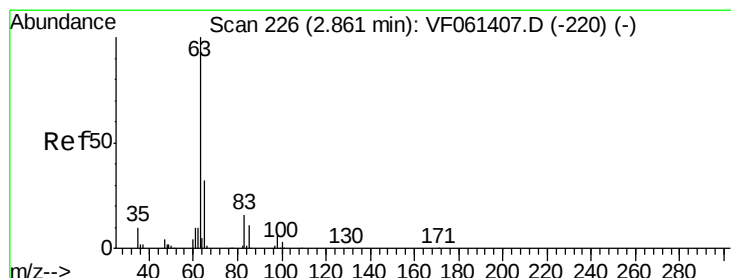
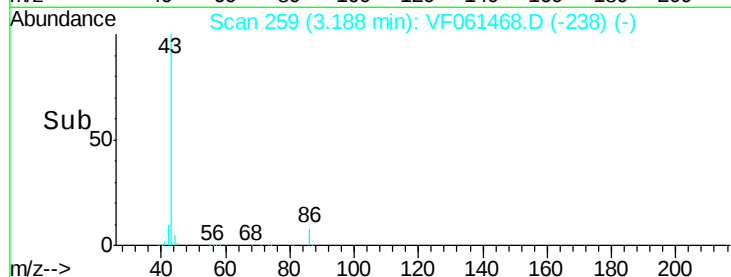
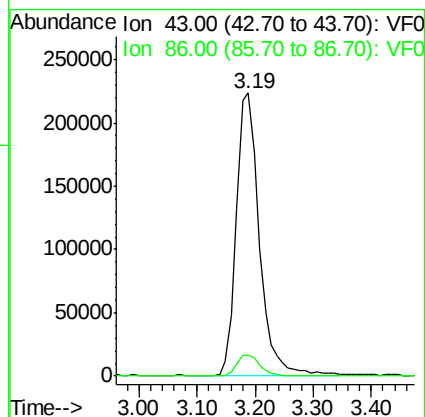
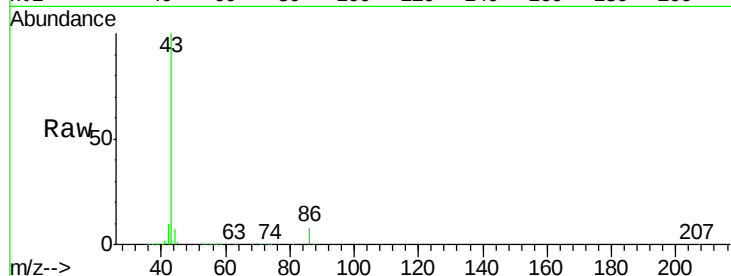
VSTDCCC050

Tot Ion: 43 Resp: 613477

Ion Ratio Lower Upper

43 100

86 7.5 6.2 9.4



#24

1,1-Dichloroethane

Concen: 51.973 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

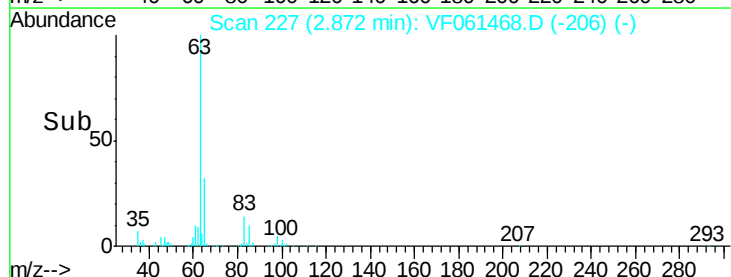
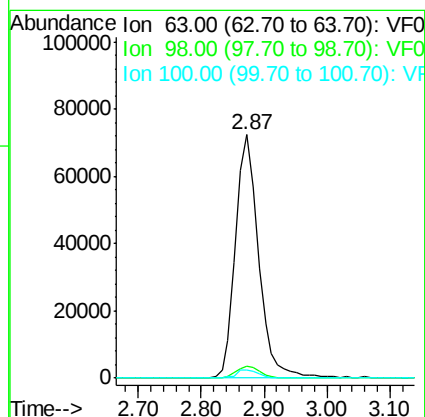
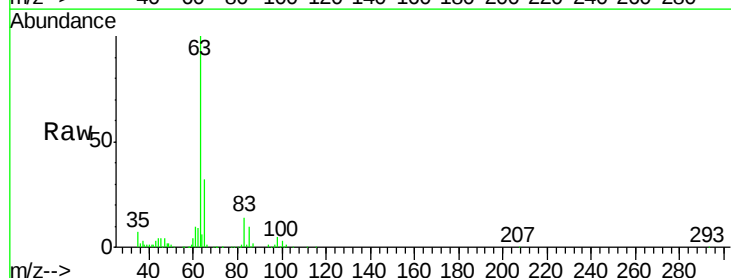
Tgt Ion: 63 Resp: 184116

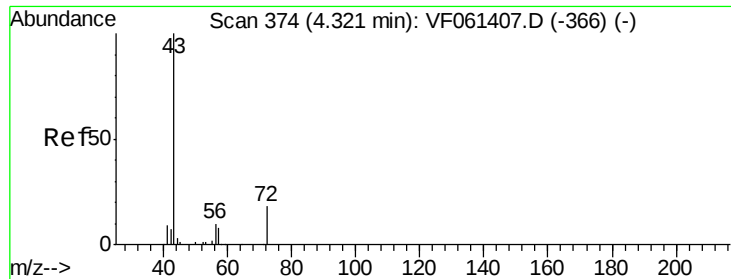
Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.8

100 3.2 1.6 4.8





#25

2-Butanone

Concen: 247.322 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

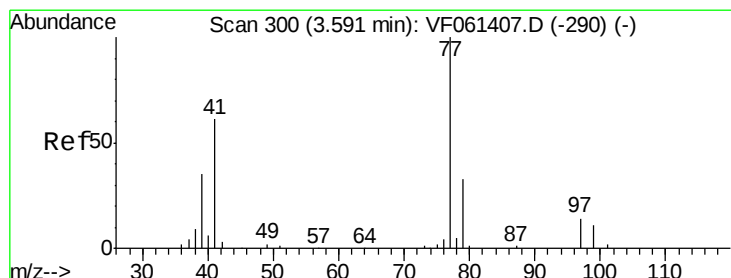
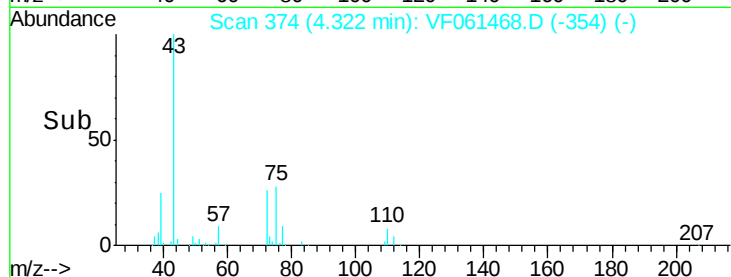
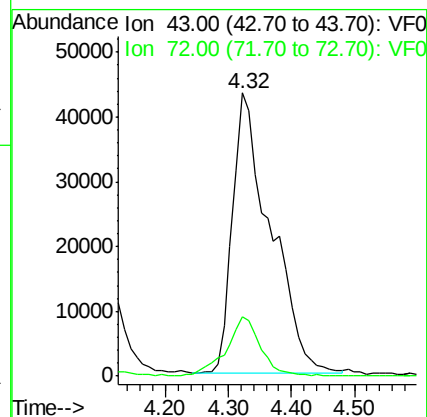
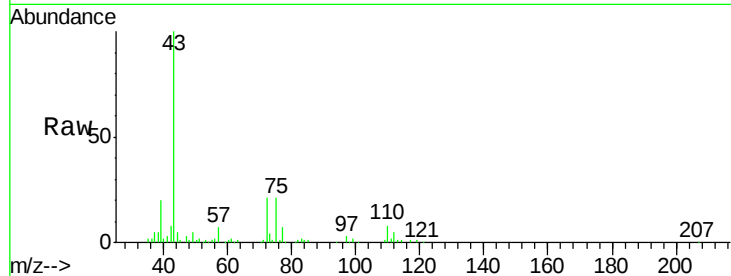
VSTDCCC050

Tot Ion: 43 Resp: 181664

Ion Ratio Lower Upper

43 100

72 20.9 15.8 23.6



#26

2,2-Dichloropropane

Concen: 55.090 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061468.D

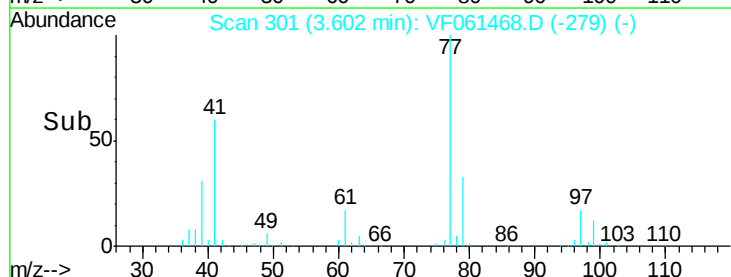
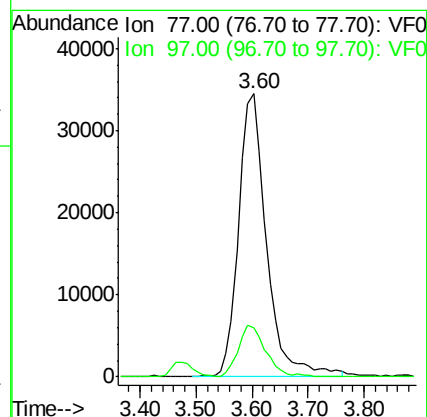
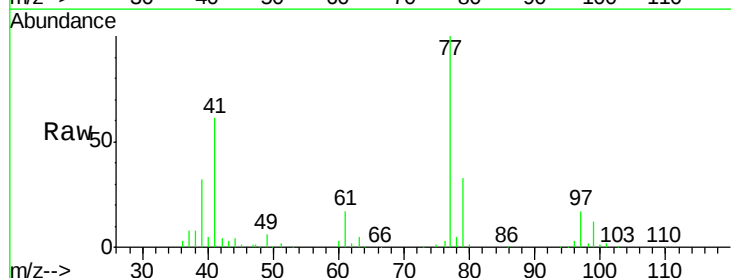
Acq: 21 Jan 2019 11:39

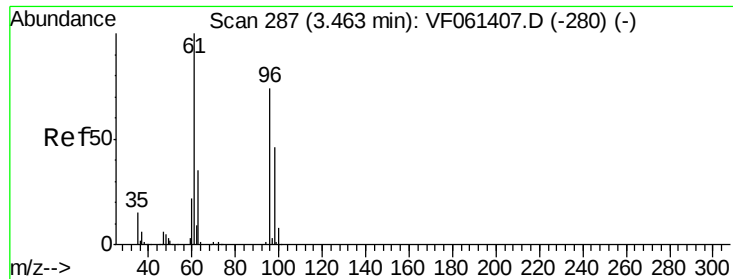
Tgt Ion: 77 Resp: 119904

Ion Ratio Lower Upper

77 100

97 17.3 8.5 25.5



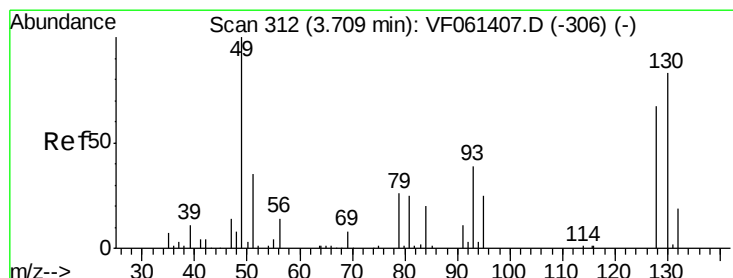
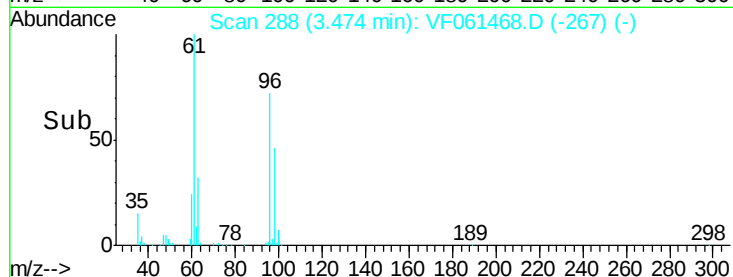
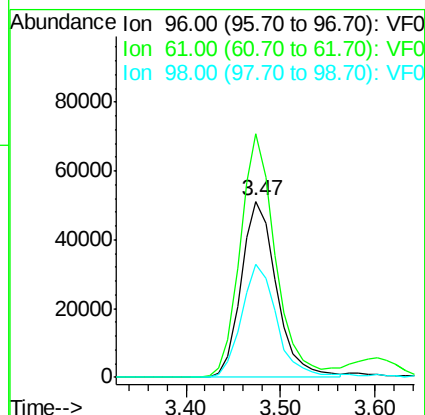
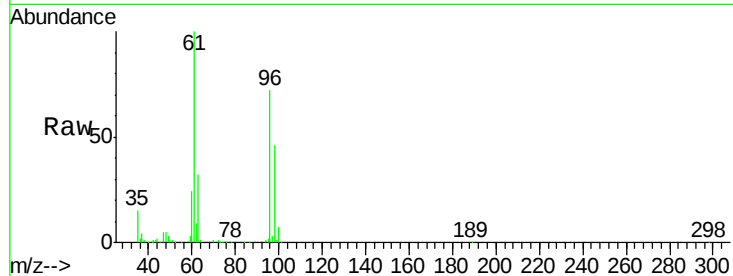


#27

cis-1,2-Dichloroethene
Concen: 51.769 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

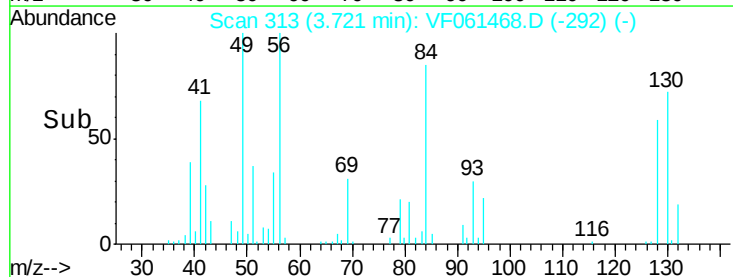
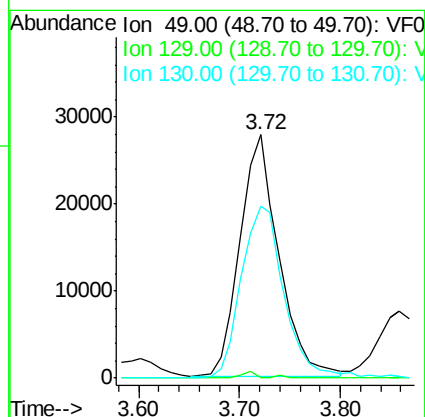
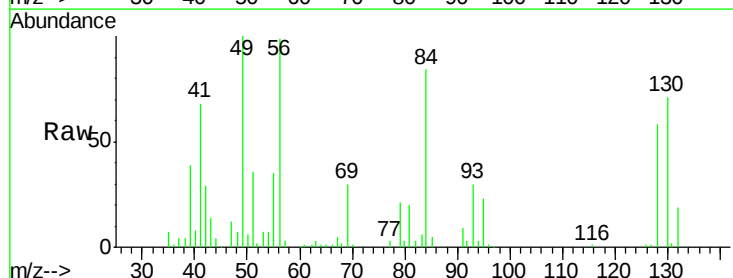
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	138.3	0.0	270.2	
98	64.2	0.0	124.0	

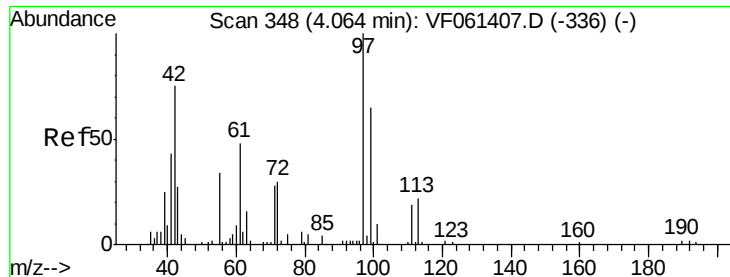


#28

Bromochloromethane
Concen: 46.715 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
49	100			
129	0.0	0.0	0.0	
130	70.9	65.4	98.2	





#29

Tetrahydrofuran

Concen: 239.161 ug/l

RT: 4.07 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

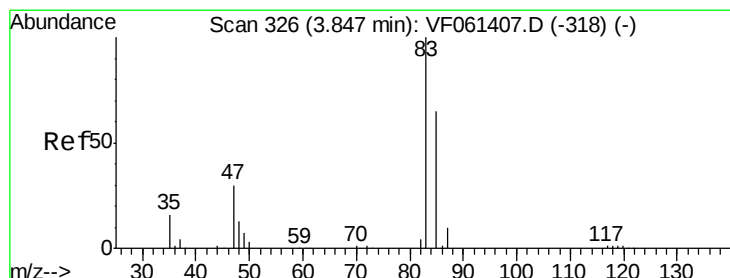
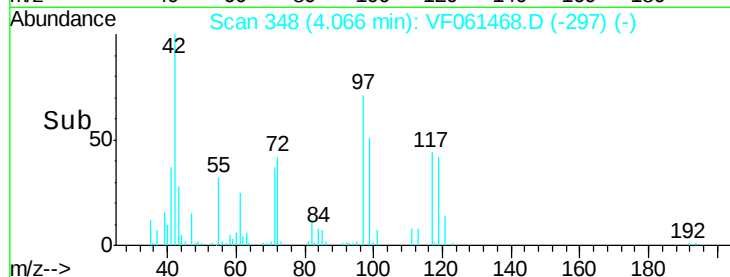
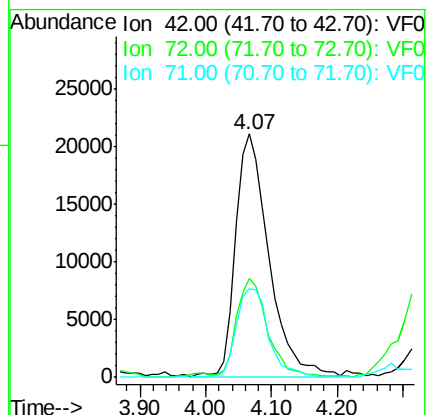
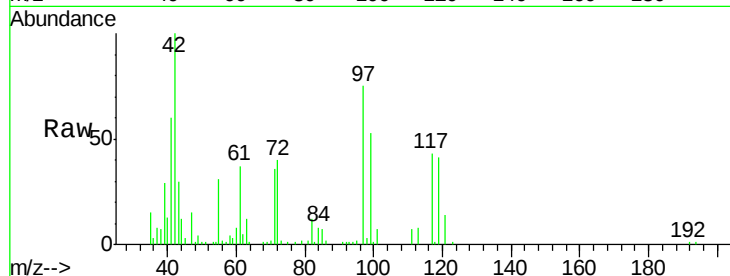
Tot Ion: 42 Resp: 75642

Ion Ratio Lower Upper

42 100

72 38.3 28.9 43.3

71 35.2 29.6 44.4



#30

Chloroform

Concen: 47.693 ug/l

RT: 3.86 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061468.D

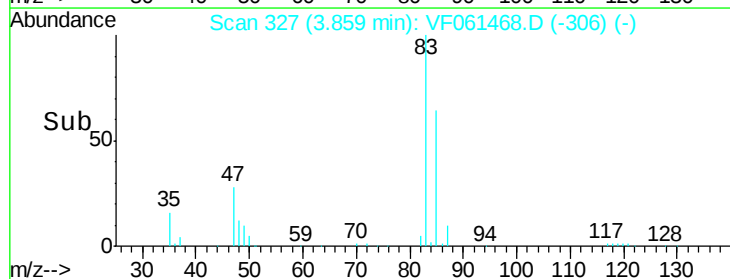
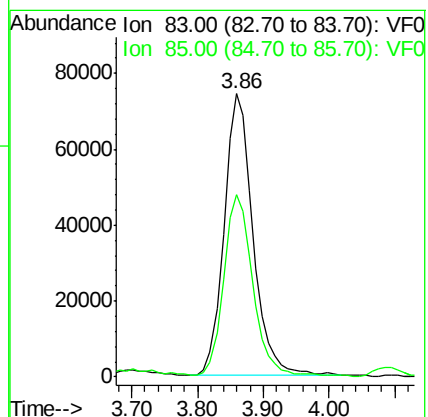
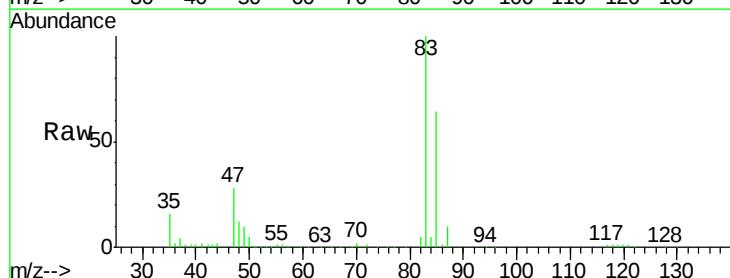
Acq: 21 Jan 2019 11:39

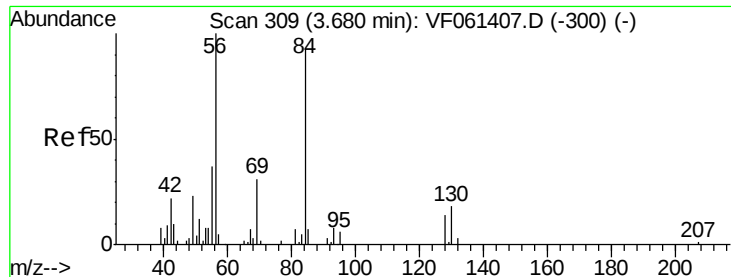
Tgt Ion: 83 Resp: 228014

Ion Ratio Lower Upper

83 100

85 64.3 52.7 79.1

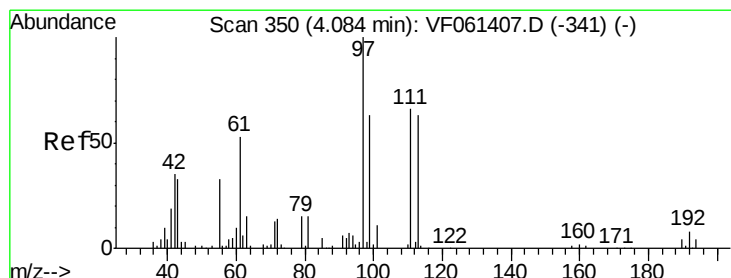
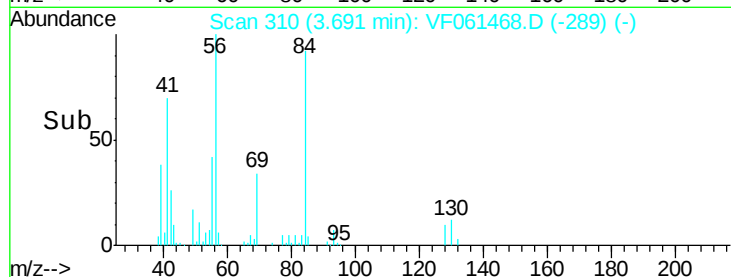
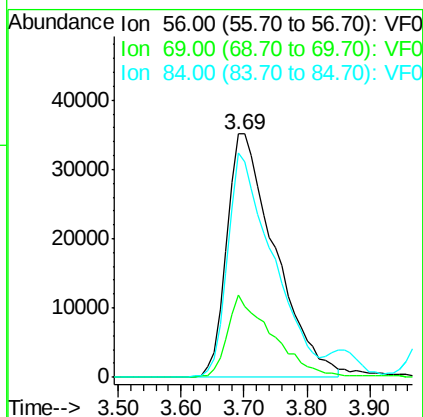
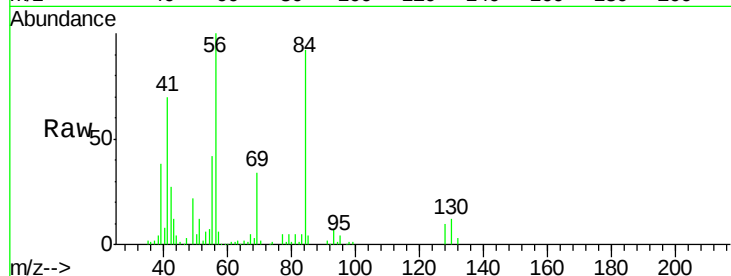




#31
Cyclohexane
Concen: 52.801 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

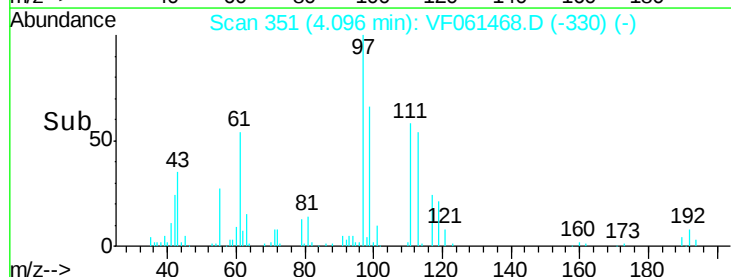
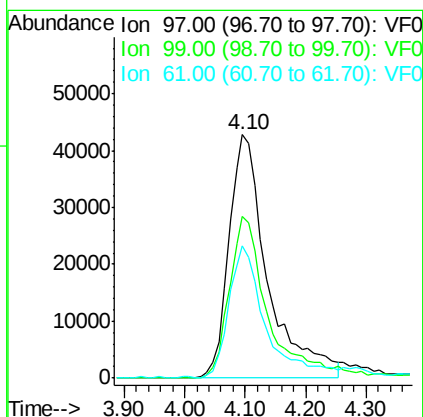
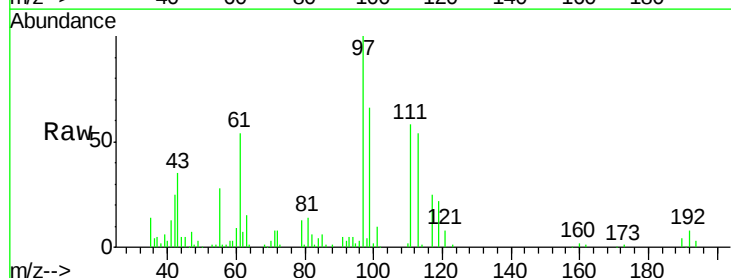
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

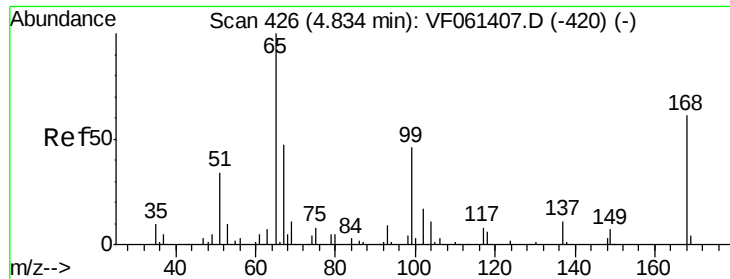
Tot Ion: 56 Resp: 186845
Ion Ratio Lower Upper
56 100
69 33.7 24.6 36.8
84 92.2 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 54.446 ug/l
RT: 4.10 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion: 97 Resp: 190861
Ion Ratio Lower Upper
97 100
99 66.2 50.1 75.1
61 54.3 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 45.700 ug/l

RT: 4.85 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

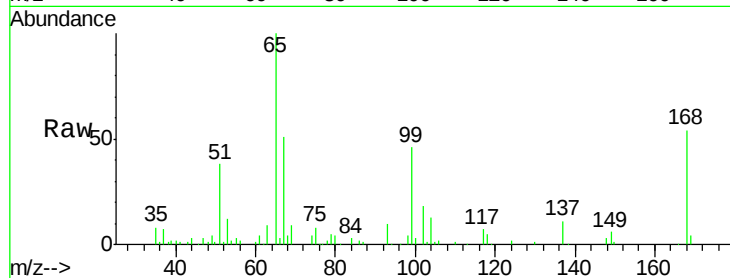
VSTDCCC050

Tot Ion: 65 Resp: 100620

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.8



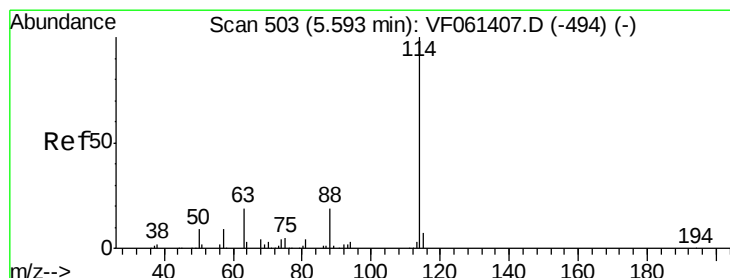
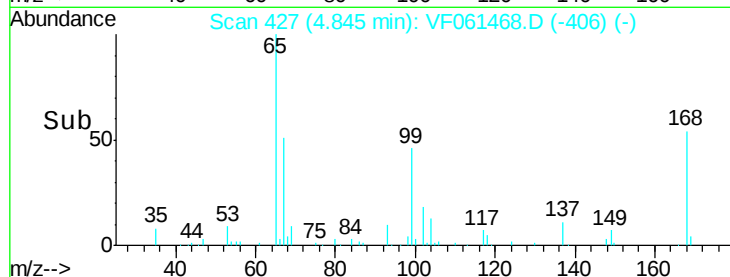
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

4.80 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

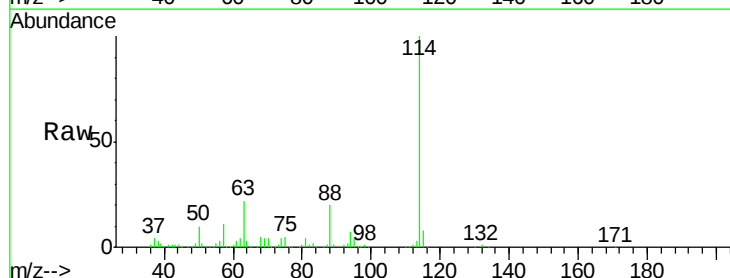
Tgt Ion: 114 Resp: 295049

Ion Ratio Lower Upper

114 100

63 22.2 0.0 39.0

88 20.0 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

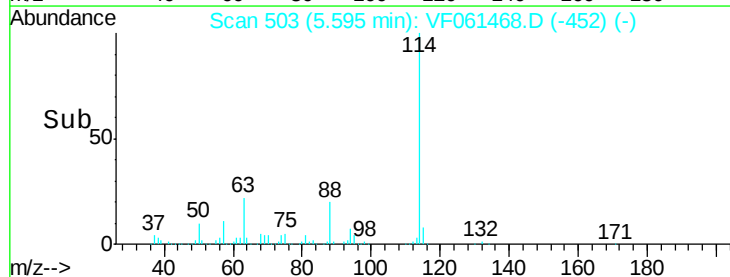
Ion 63.00 (62.70 to 63.70): VF0

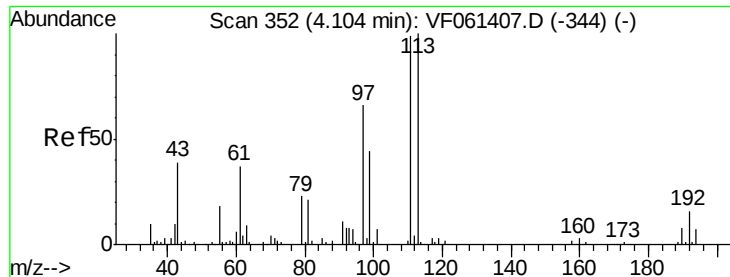
Ion 88.00 (87.70 to 88.70): VF0

5.59

5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 51.253 ug/l

RT: 4.12 min Scan# 353

Delta R.T. 0.01 min

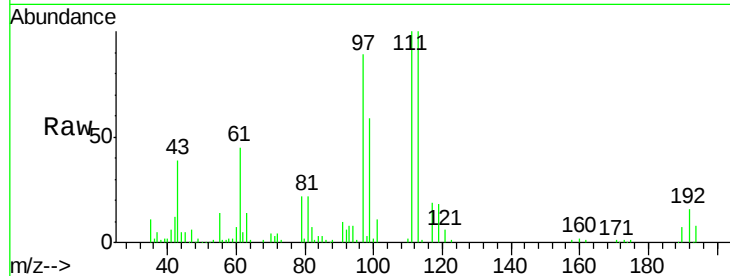
Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 119327

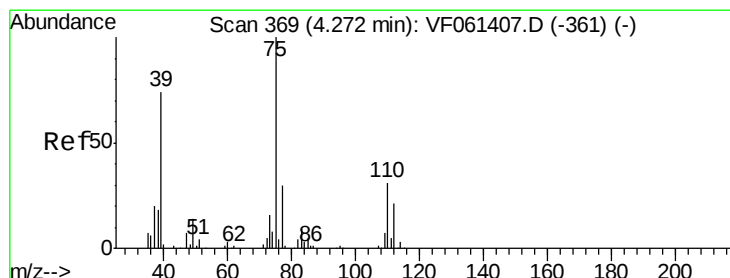
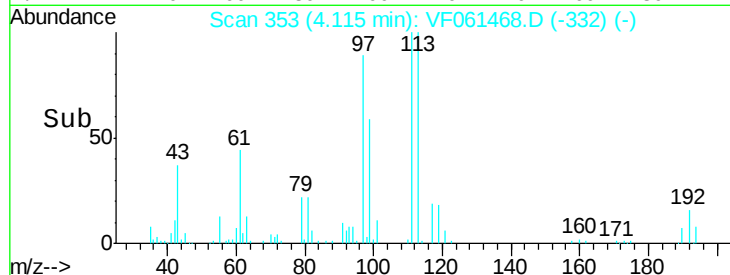
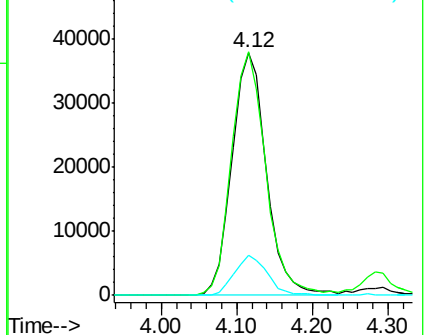
Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.4	119.0
192	16.3	12.4	18.6



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: 51.891 ug/l

RT: 4.28 min Scan# 370

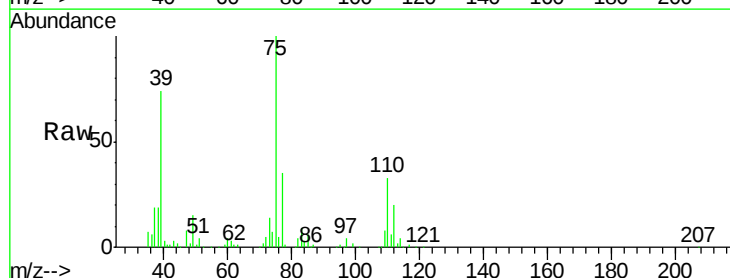
Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Tgt Ion: 75 Resp: 177515

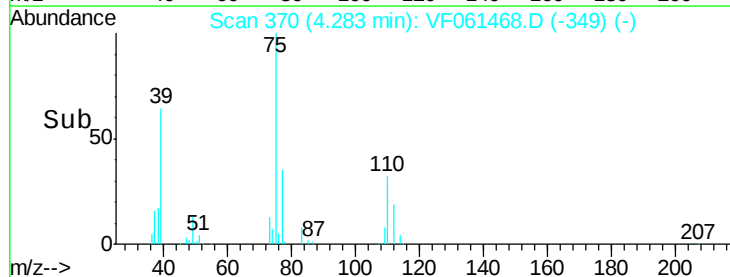
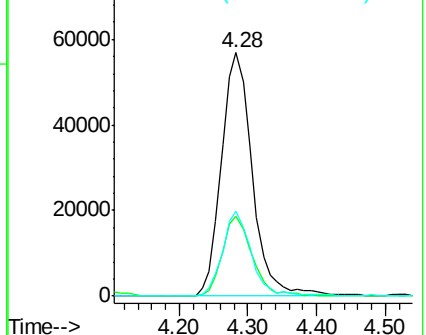
Ion	Ratio	Lower	Upper
75	100		
110	32.5	15.8	47.3
77	35.0	24.0	36.0

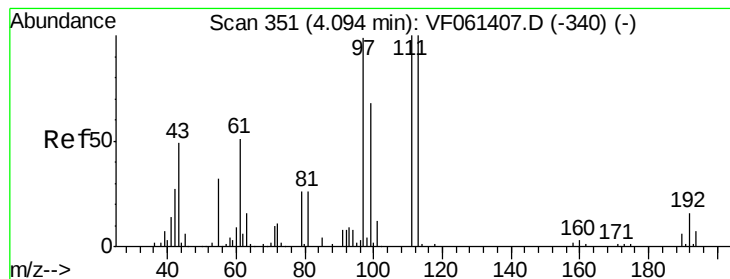


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 47.396 ug/l

RT: 4.11 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

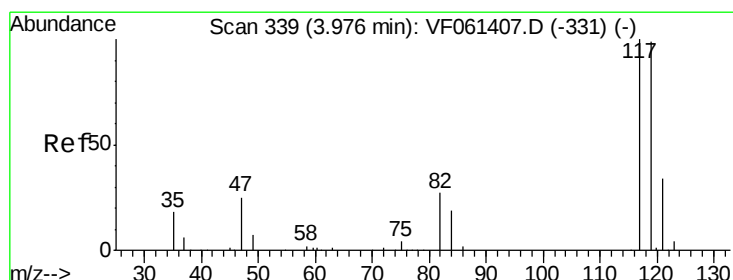
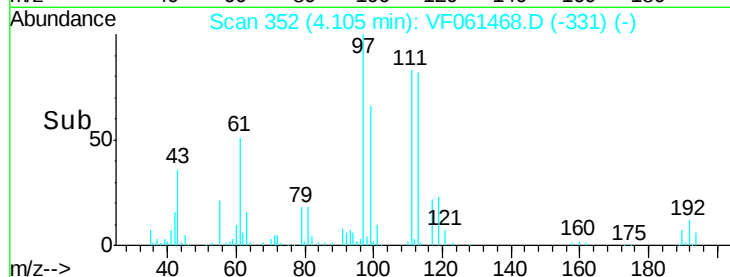
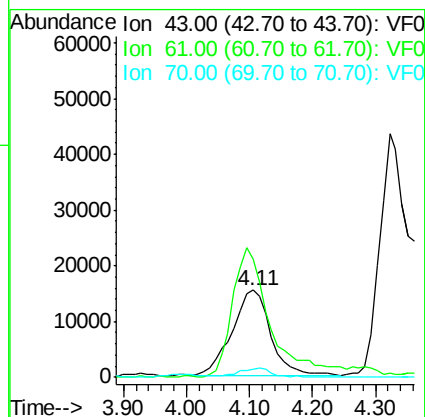
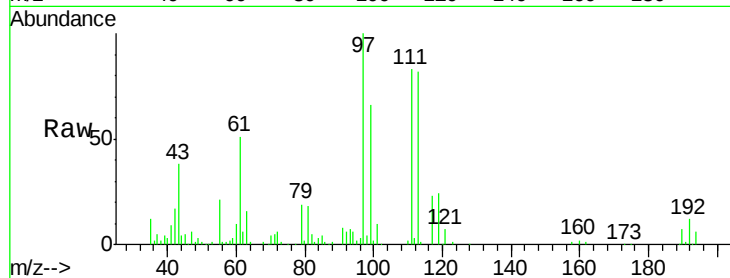
Tot Ion: 43 Resp: 64812

Ion Ratio Lower Upper

43 100

61 135.2 81.7 122.5#

70 9.5 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 56.354 ug/l

RT: 4.00 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

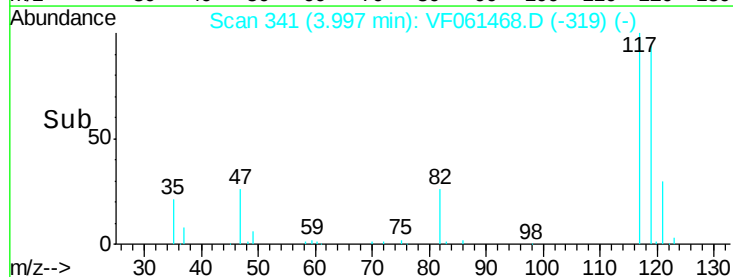
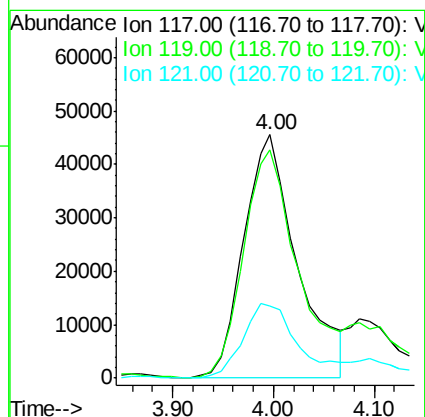
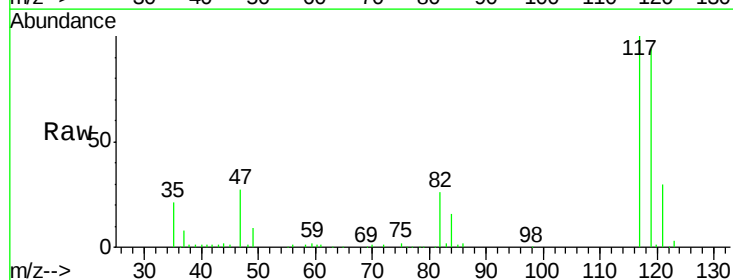
Tgt Ion: 117 Resp: 168540

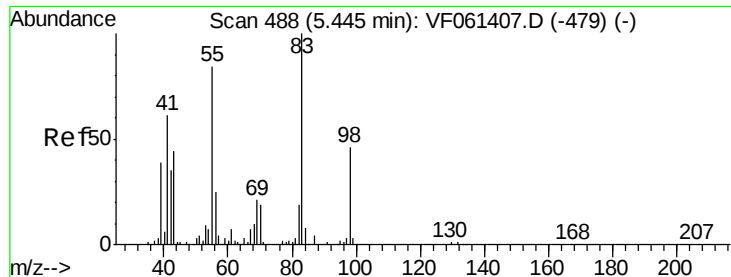
Ion Ratio Lower Upper

117 100

119 93.6 79.0 118.6

121 29.7 27.0 40.6

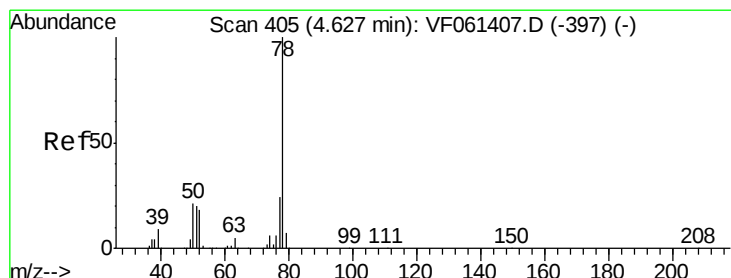
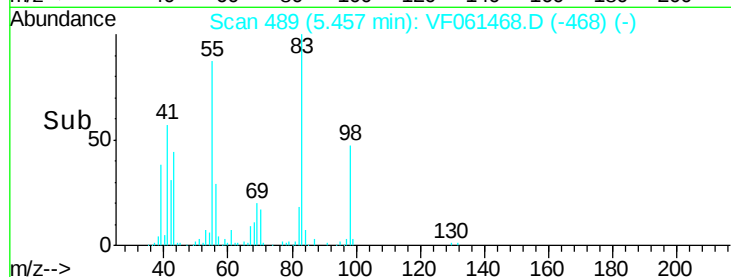
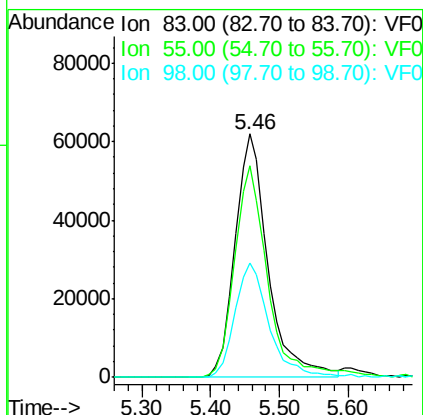
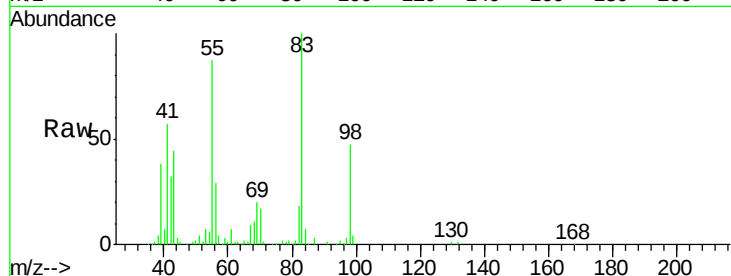




#39
Methvlcvclohexane
Concen: 55.580 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

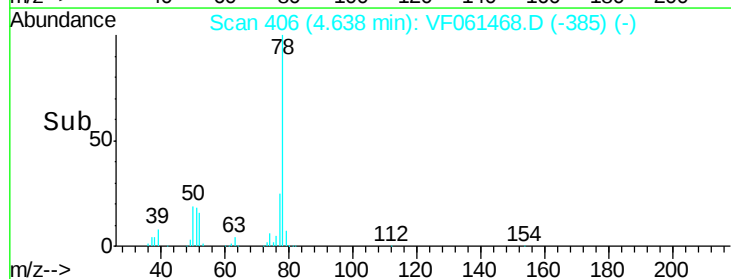
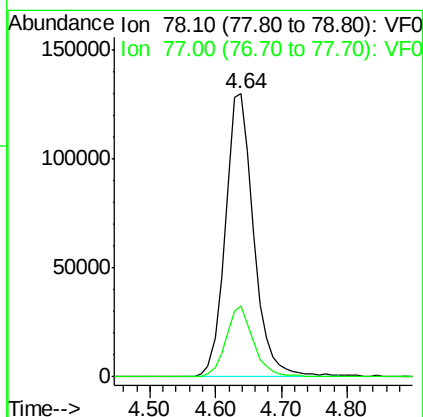
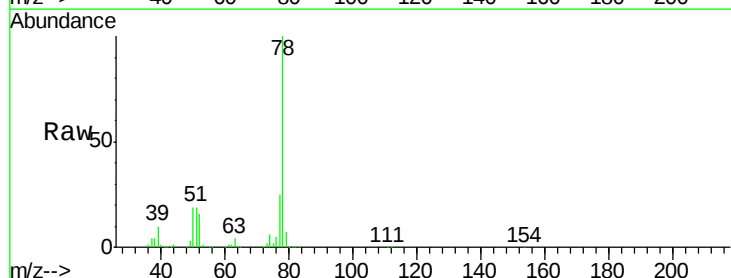
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

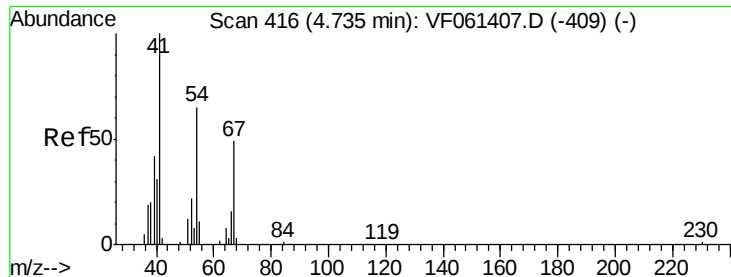
Tot Ion: 83 Resp: 206054
Ion Ratio Lower Upper
83 100
55 87.1 67.4 101.2
98 47.1 36.7 55.1



#40
Benzene
Concen: 51.783 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion: 78 Resp: 394182
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.6





#41

Methacrylonitrile

Concen: 47.297 ug/l

RT: 4.75 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 34415

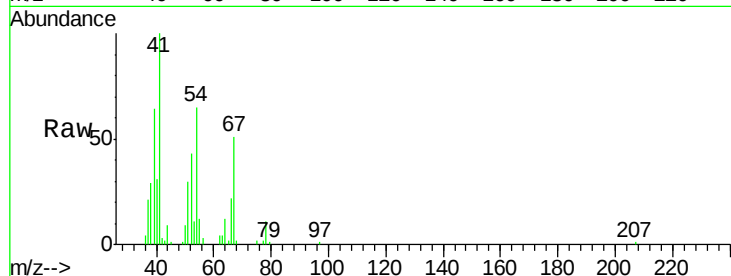
Ion Ratio Lower Upper

41 100

39 64.5 43.1 64.7

67 50.7 38.8 58.2

52 43.1 33.2 49.8

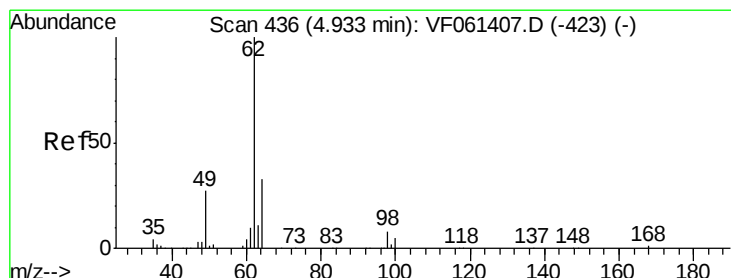
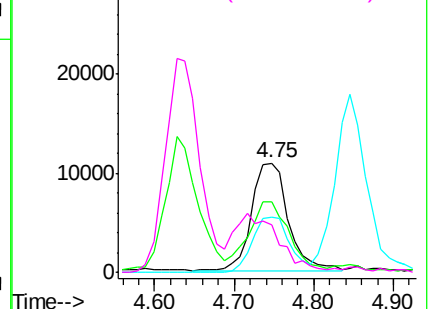
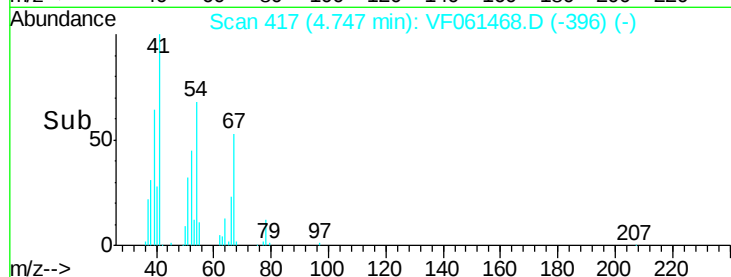


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.368 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF061468.D

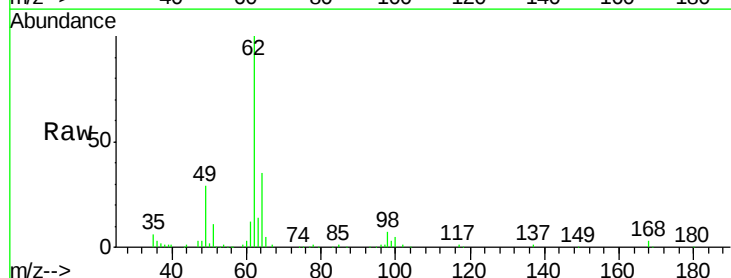
Acq: 21 Jan 2019 11:39

Tgt Ion: 62 Resp: 131200

Ion Ratio Lower Upper

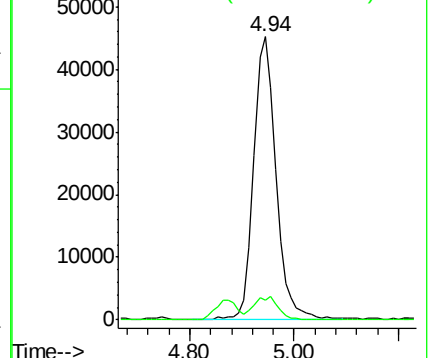
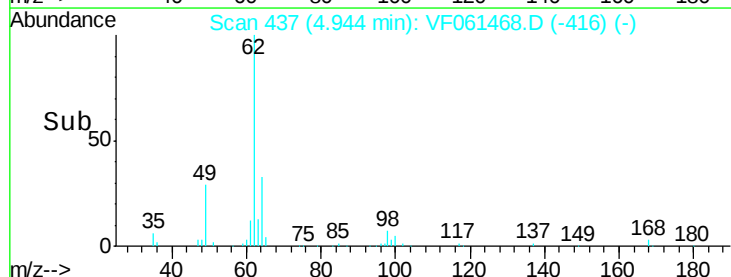
62 100

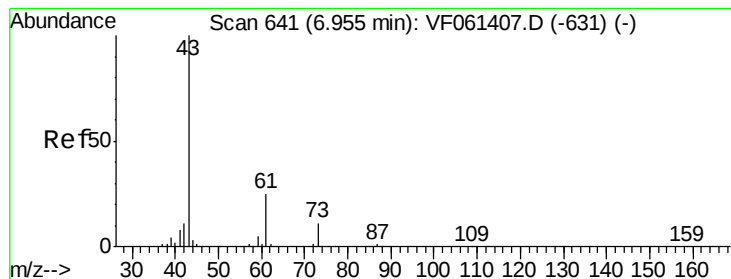
98 7.1 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



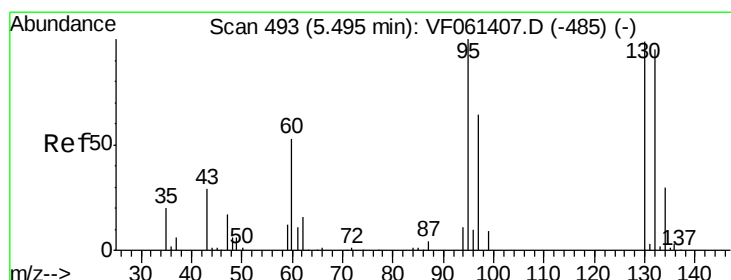
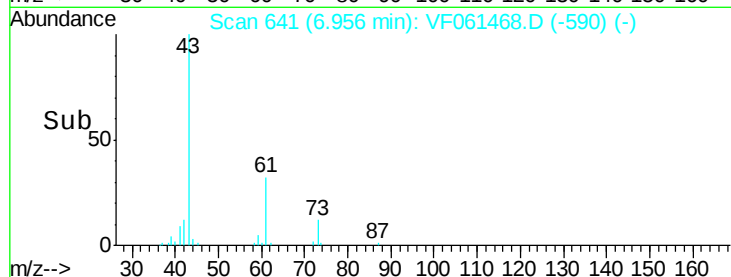
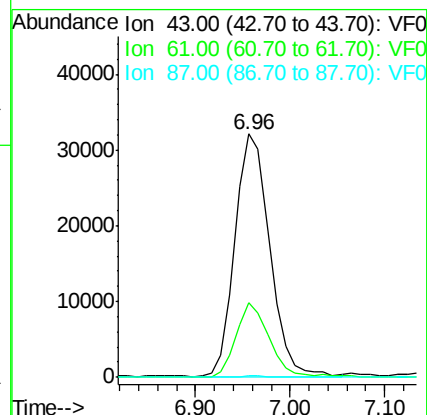
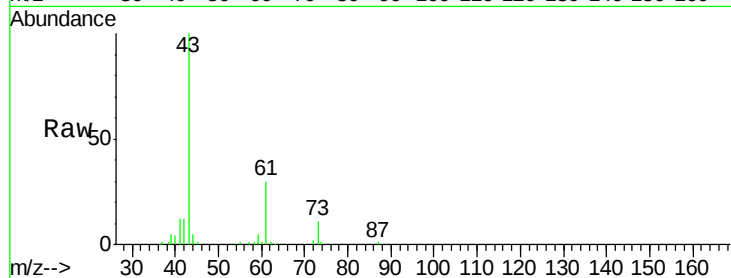


#43

Isopropyl Acetate
 Concen: 47.433 ug/l
 RT: 6.96 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

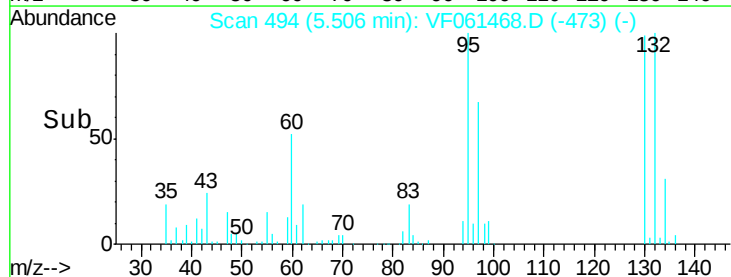
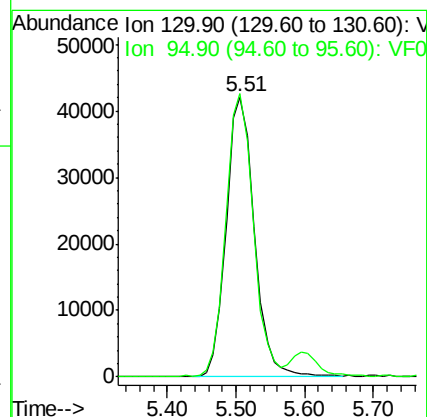
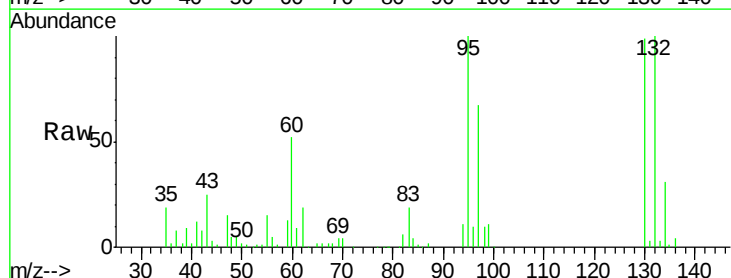
Tot Ion: 43 Resp: 81408
 Ion Ratio Lower Upper
 43 100
 61 30.5 20.3 30.5#
 87 0.5 0.5 0.7

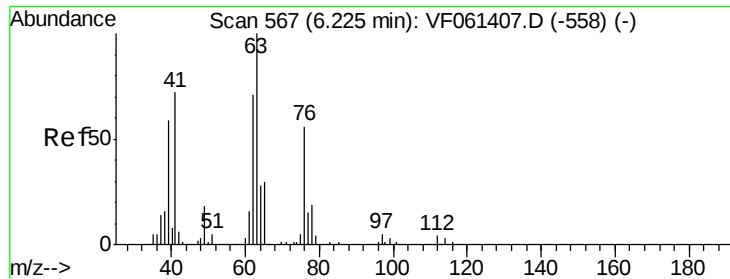


#44

Trichloroethene
 Concen: 51.285 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Tgt Ion: 130 Resp: 119758
 Ion Ratio Lower Upper
 130 100
 95 101.1 0.0 202.8





#45

1,2-Dichloropropane

Concen: 52.422 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

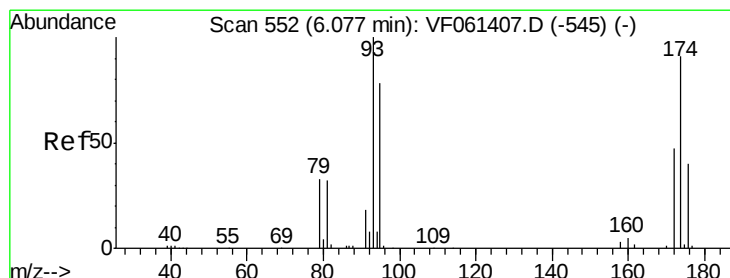
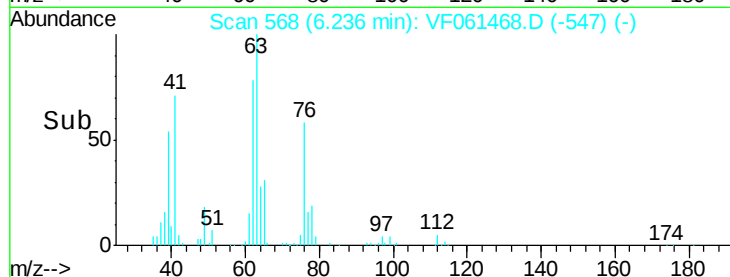
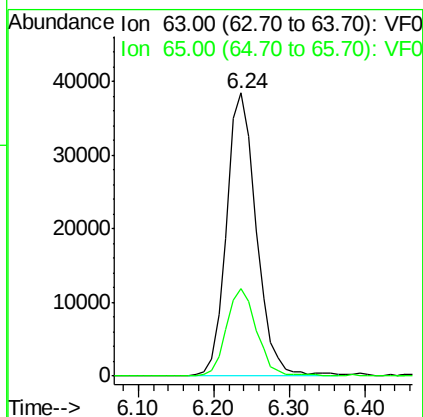
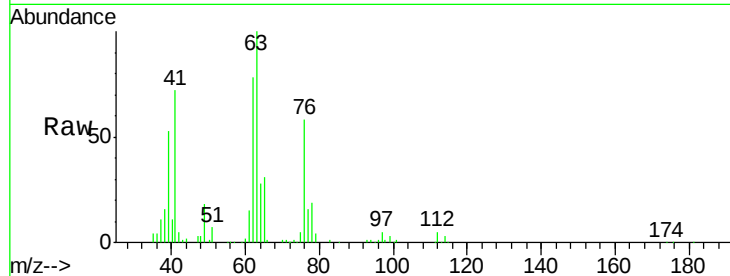
VSTDCCC050

Tot Ion: 63 Resp: 104732

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



#46

Dibromomethane

Concen: 49.169 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

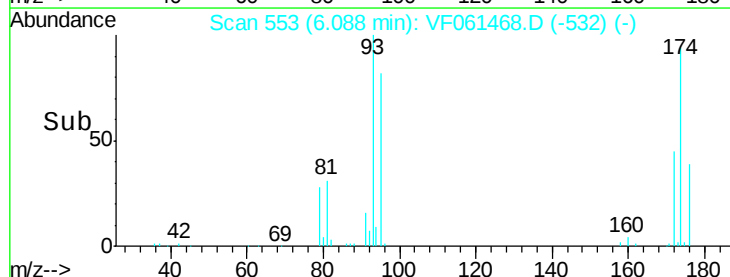
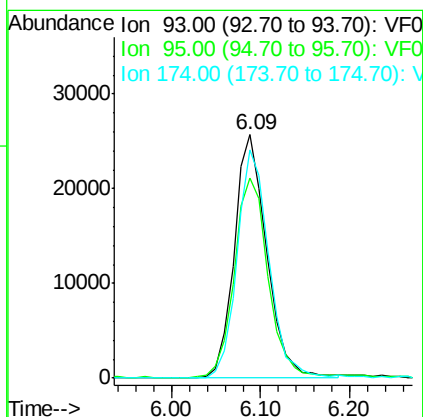
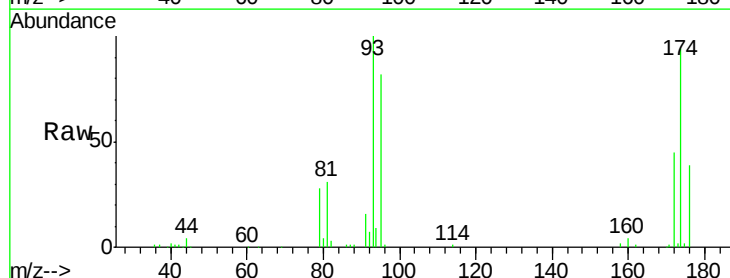
Tgt Ion: 93 Resp: 65318

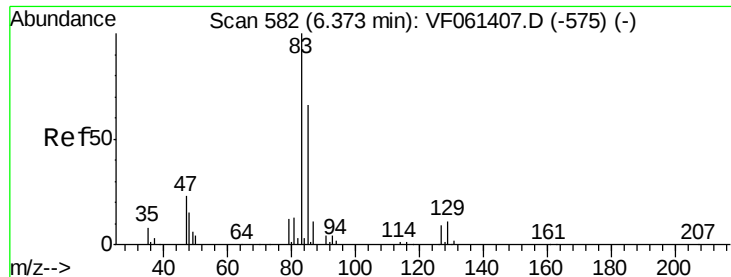
Ion Ratio Lower Upper

93 100

95 82.4 62.1 93.1

174 93.9 74.6 111.8





#47

Bromodichloromethane

Concen: 51.117 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

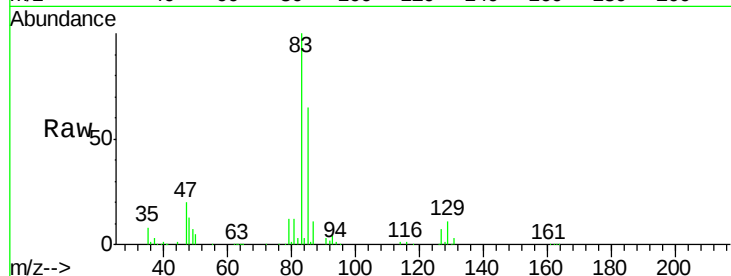
Tot Ion: 83 Resp: 168012

Ion Ratio Lower Upper

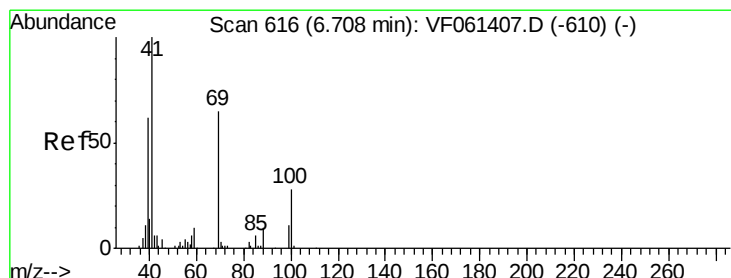
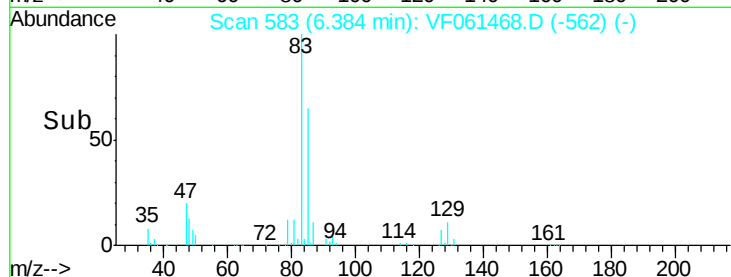
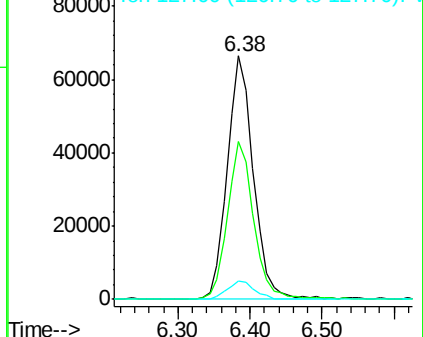
83 100

85 64.7 53.0 79.4

127 7.4 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: 48.723 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

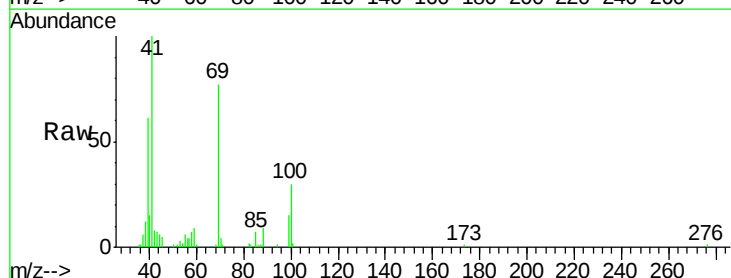
Tgt Ion: 41 Resp: 56152

Ion Ratio Lower Upper

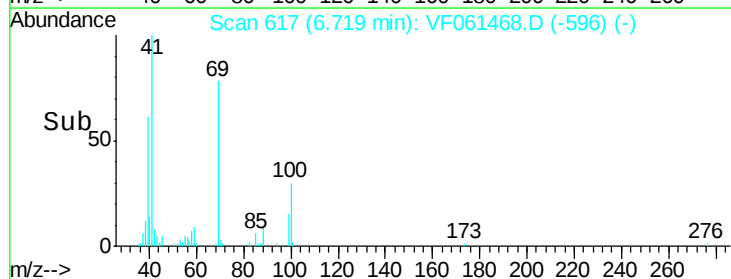
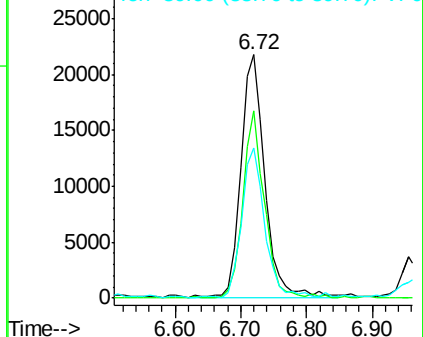
41 100

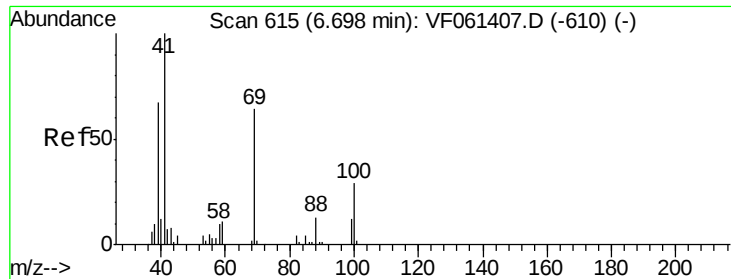
69 77.1 51.7 77.5

39 61.5 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

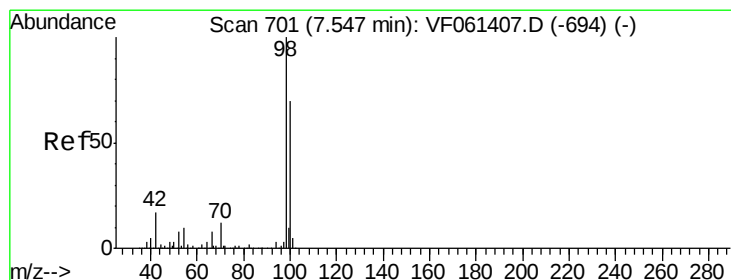
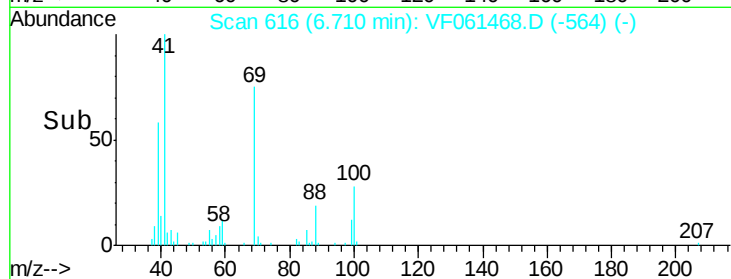
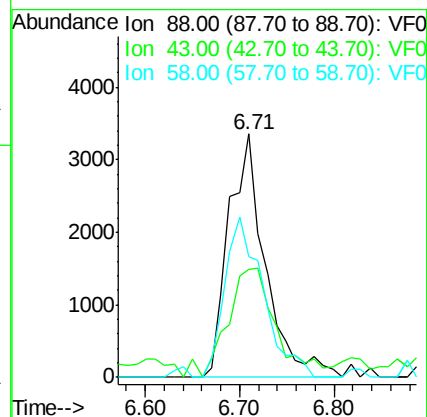
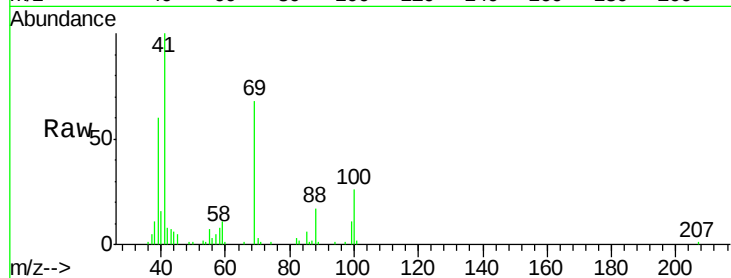




#49
1,4-Dioxane
Concen: 1132.809 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

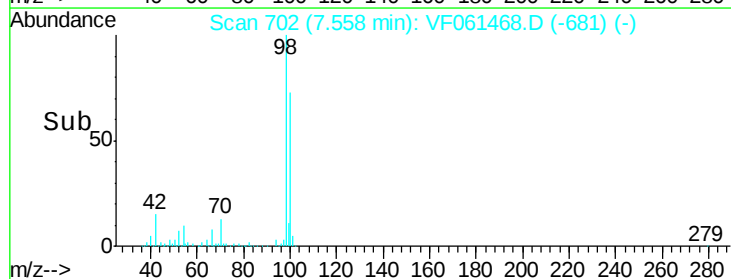
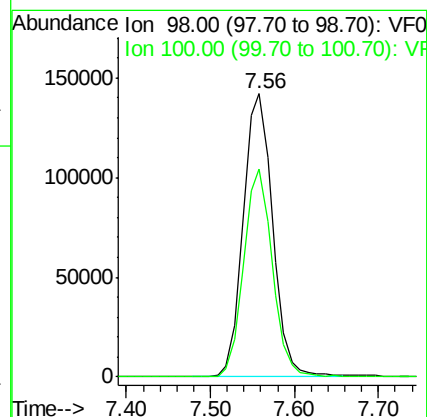
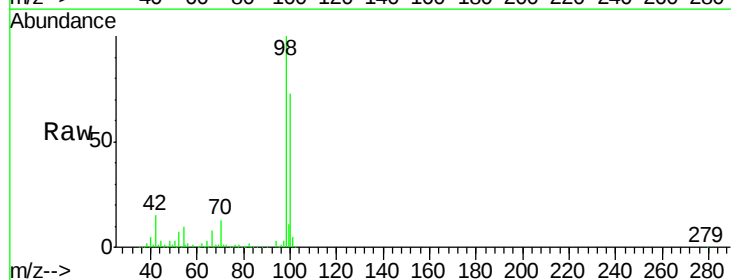
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

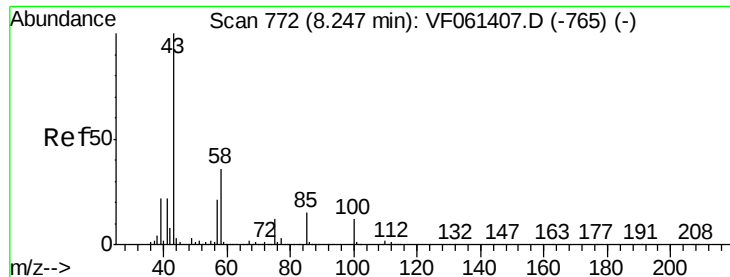
Tot Ion: 88 Resp: 9039
Ion Ratio Lower Upper
88 100
43 44.4 55.5 83.3#
58 49.8 59.9 89.9#



#50
Toluene-d8
Concen: 54.474 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion: 98 Resp: 347480
Ion Ratio Lower Upper
98 100
100 73.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 249.364 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

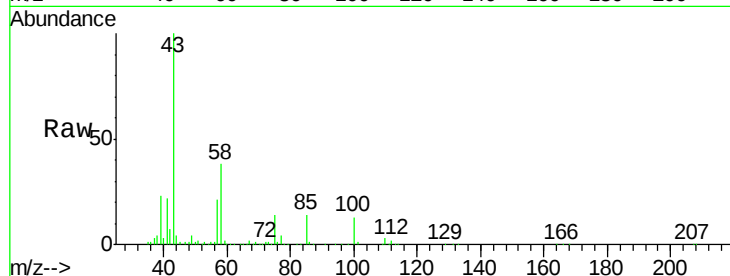
VSTDCCC050

Tot Ion: 43 Resp: 314629

Ion Ratio Lower Upper

43 100

58 38.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

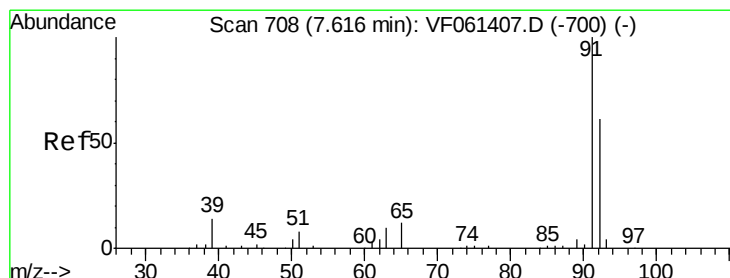
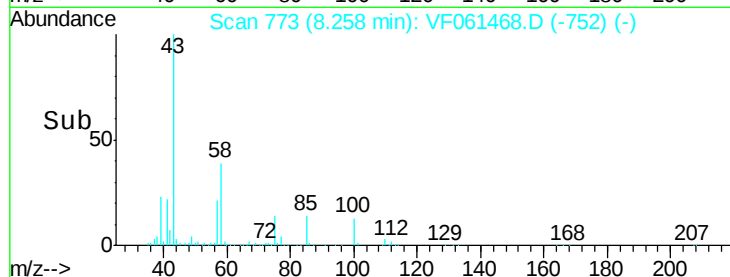
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 52.326 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061468.D

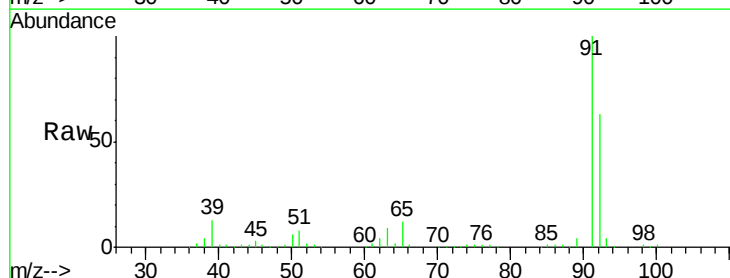
Acq: 21 Jan 2019 11:39

Tgt Ion: 92 Resp: 262304

Ion Ratio Lower Upper

92 100

91 158.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

200000

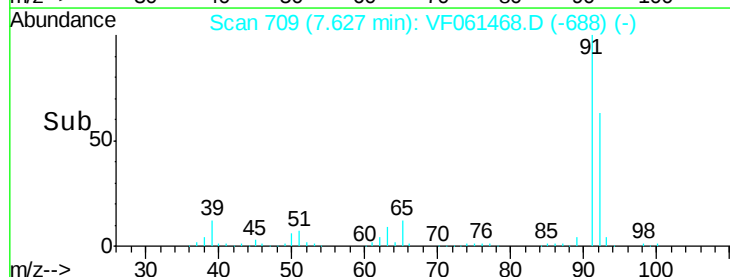
150000

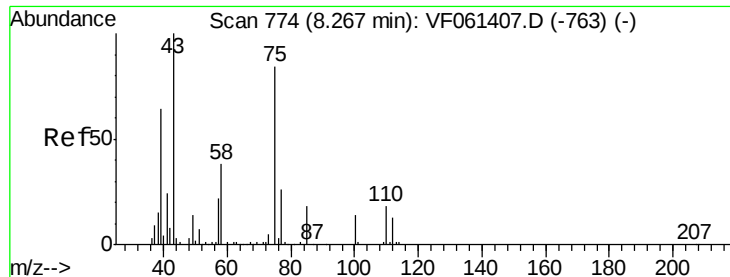
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 51.616 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

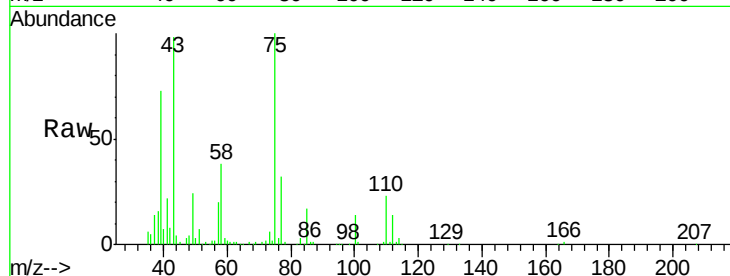
VSTDCCC050

Tot Ion: 75 Resp: 134715

Ion Ratio Lower Upper

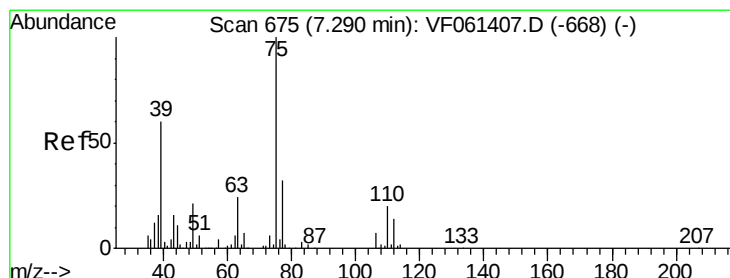
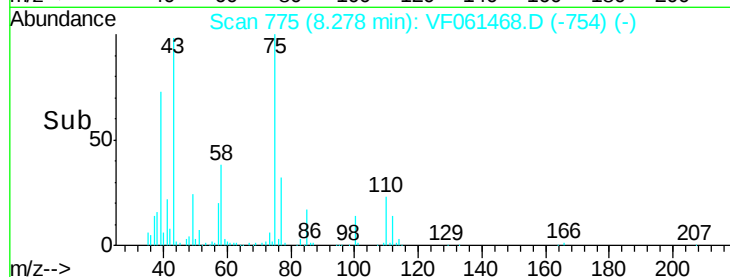
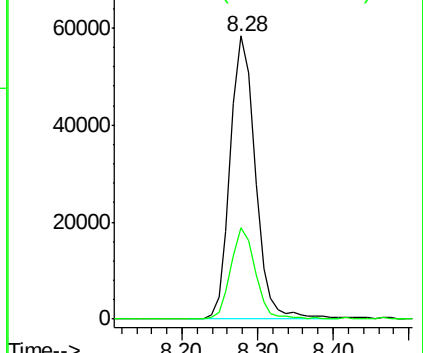
75 100

77 32.1 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 52.945 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

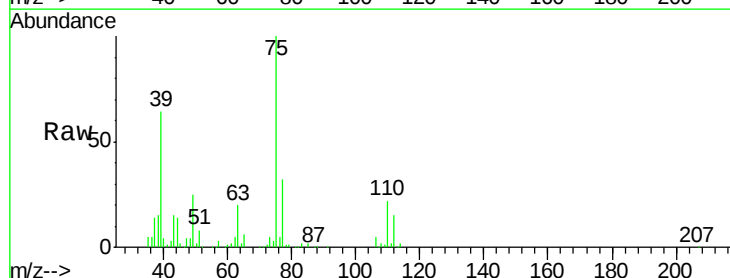
Tgt Ion: 75 Resp: 172725

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

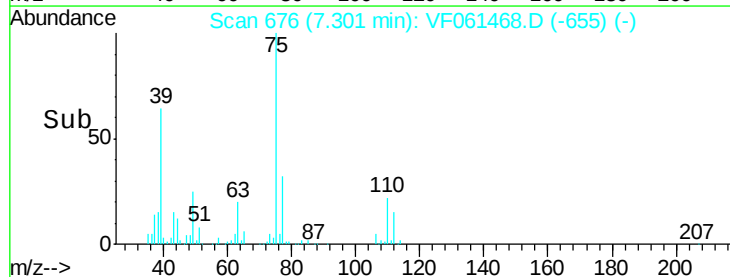
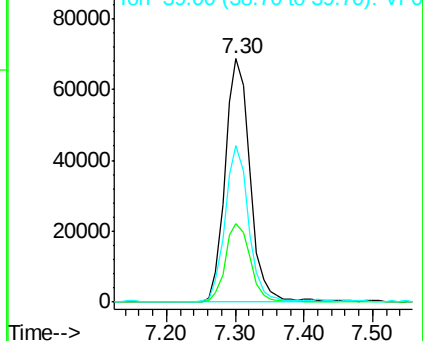
39 64.1 47.8 71.8

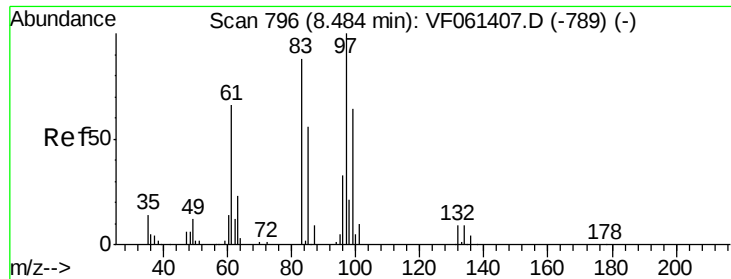


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 52.615 ug/l

RT: 8.50 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 74898

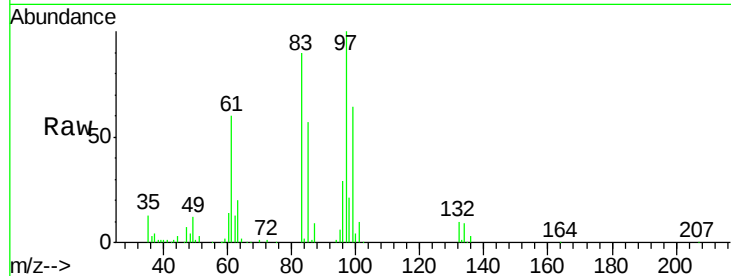
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.4	105.6
85	57.0	44.7	67.1
99	63.5	50.8	76.2

97 100

83 89.8 70.4 105.6

85 57.0 44.7 67.1

99 63.5 50.8 76.2



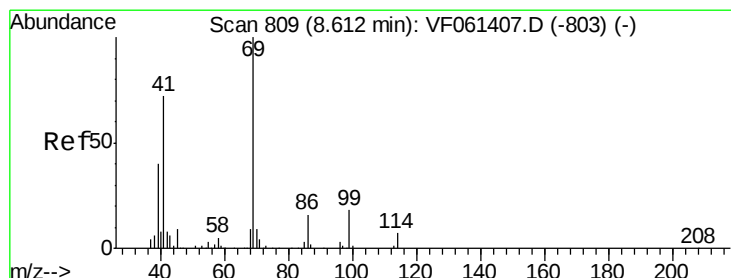
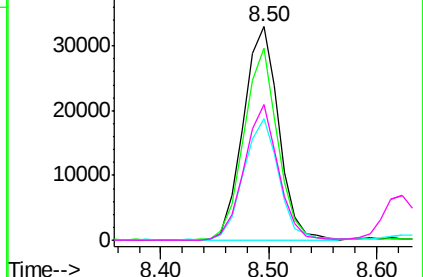
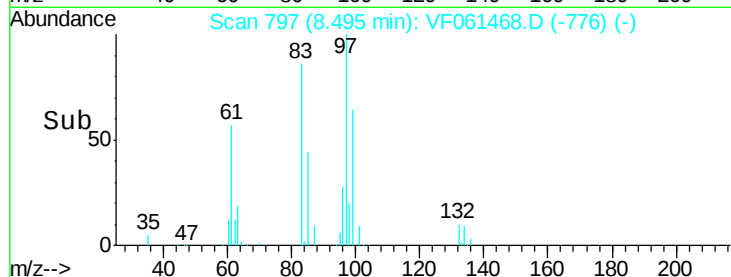
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 49.778 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

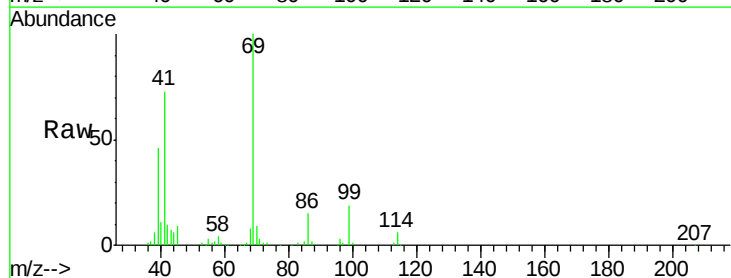
Tgt Ion: 69 Resp: 82441

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.5	86.3
39	46.3	32.0	48.0

69 100

41 73.2 57.5 86.3

39 46.3 32.0 48.0

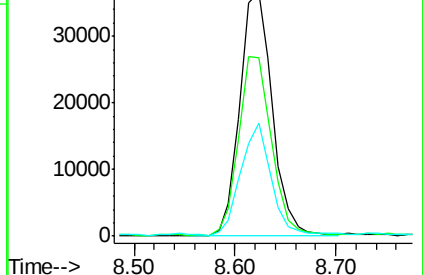
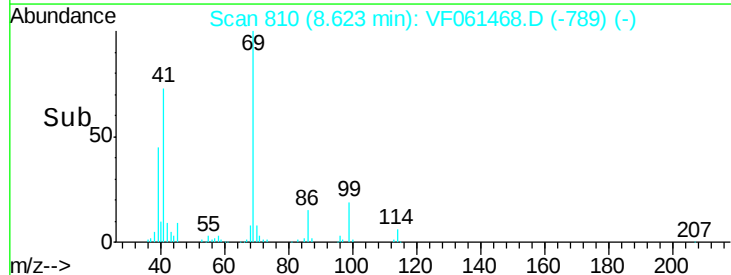


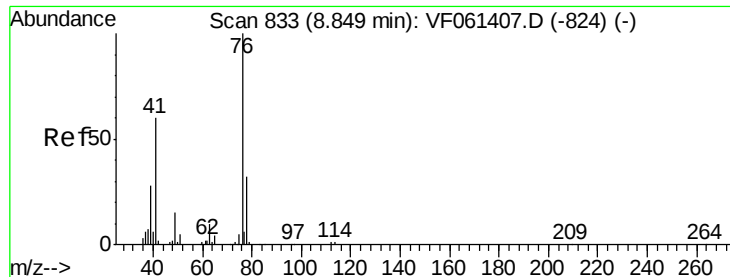
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 49.374 ug/l

RT: 8.85 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

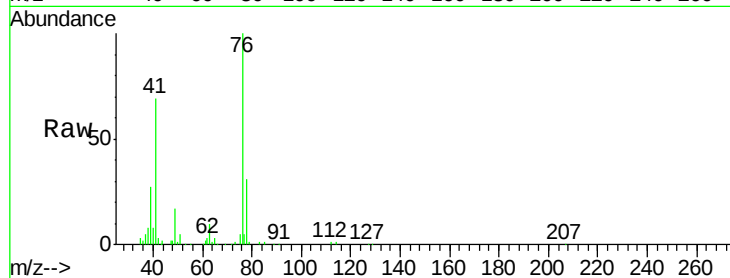
VSTDCCC050

Tot Ion: 76 Resp: 131740

Ion Ratio Lower Upper

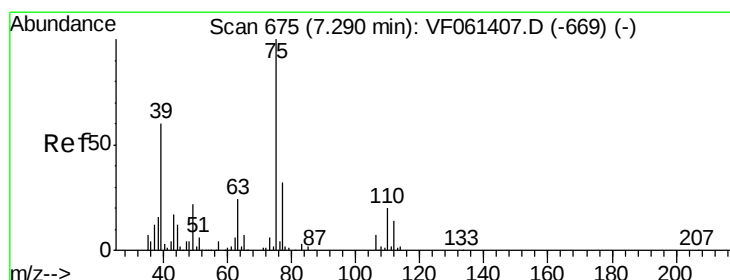
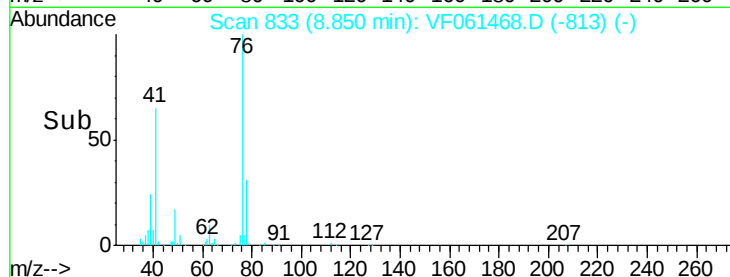
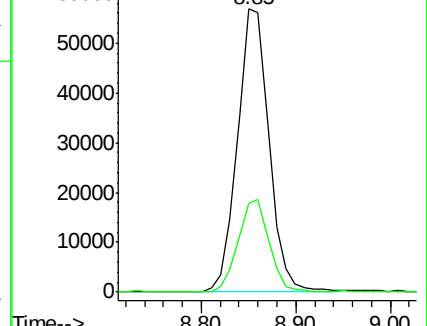
76 100

78 31.2 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 206.801 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061468.D

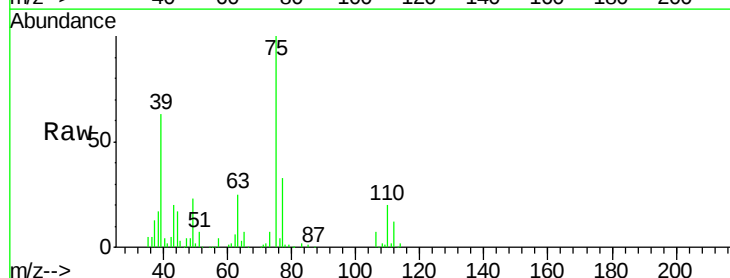
Acq: 21 Jan 2019 11:39

Tgt Ion: 63 Resp: 34987

Ion Ratio Lower Upper

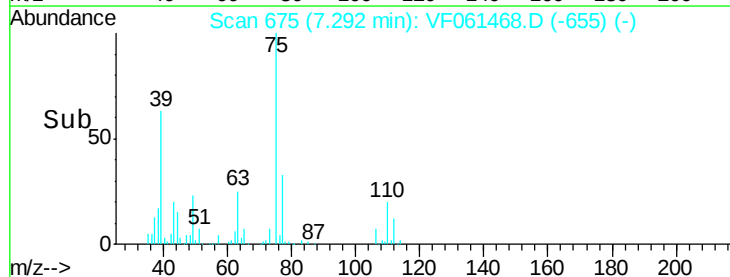
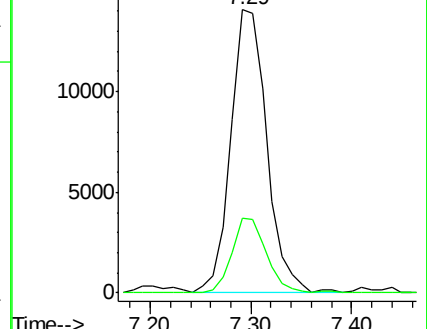
63 100

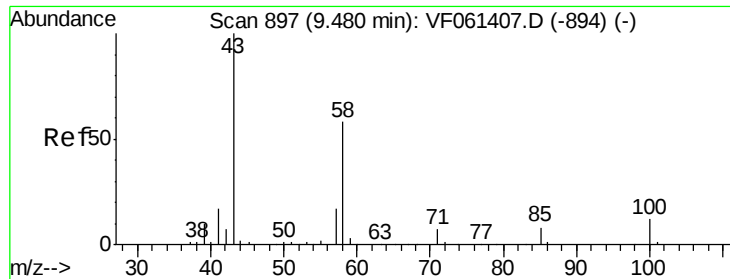
106 26.4 21.9 32.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

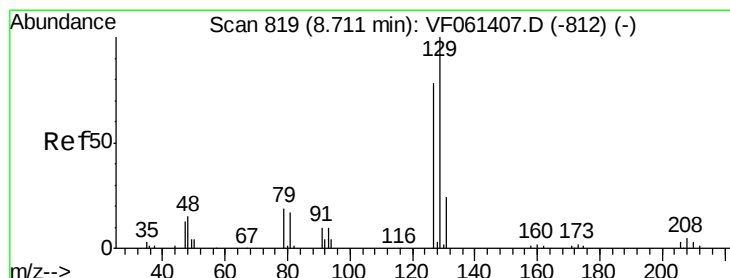
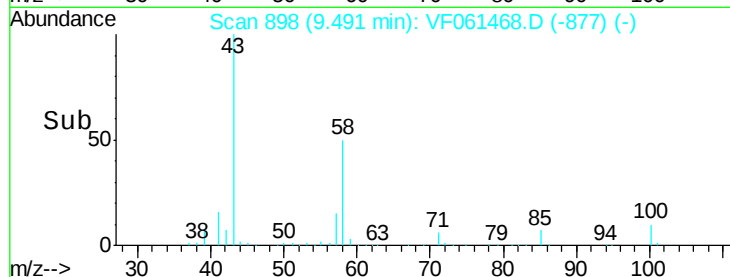
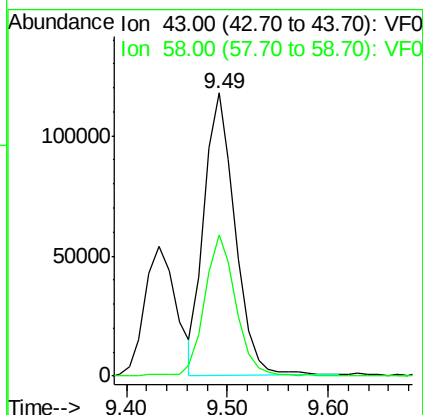
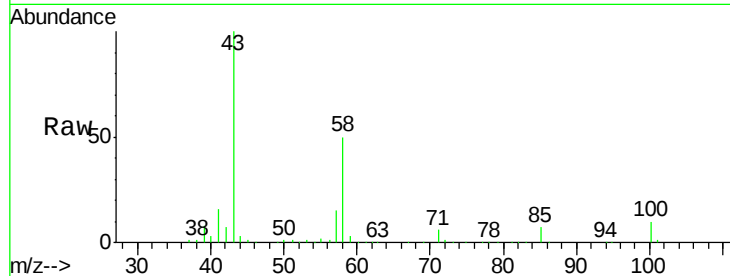




#59
2-Hexanone
Concen: 284.252 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

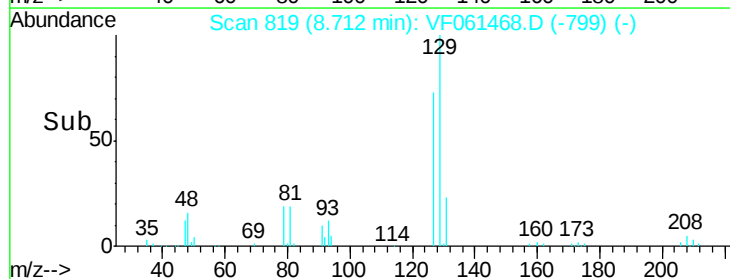
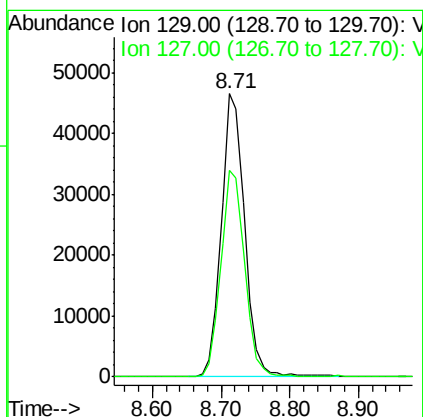
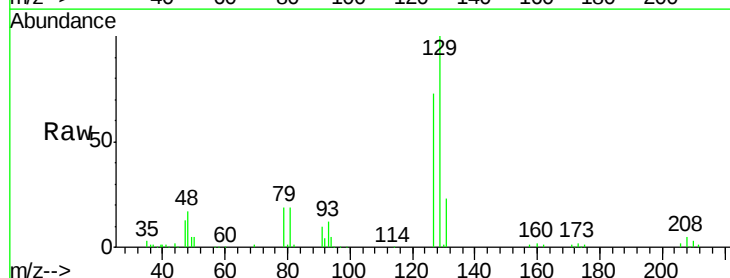
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

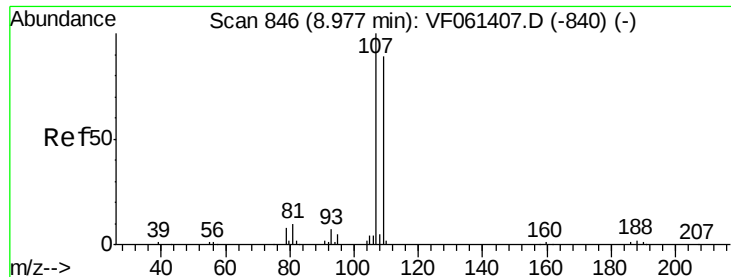
Tot Ion: 43 Resp: 250092
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.6



#60
Dibromochloromethane
Concen: 52.626 ug/l
RT: 8.71 min Scan# 819
Delta R.T. 0.00 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion:129 Resp: 109521
Ion Ratio Lower Upper
129 100
127 72.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 47.463 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

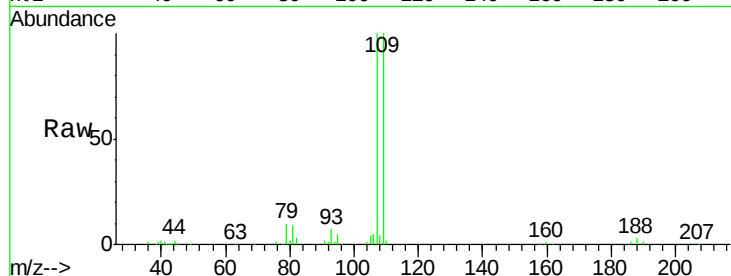
VSTDCCC050

Tot Ion:107 Resp: 77347

Ion Ratio Lower Upper

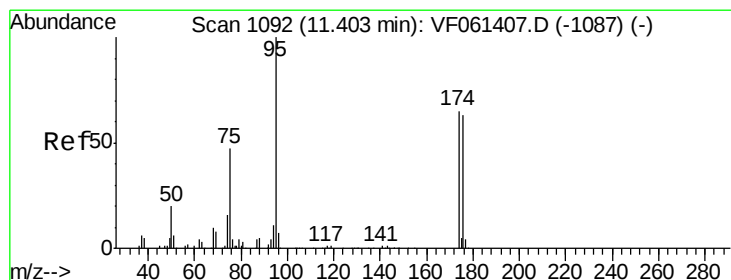
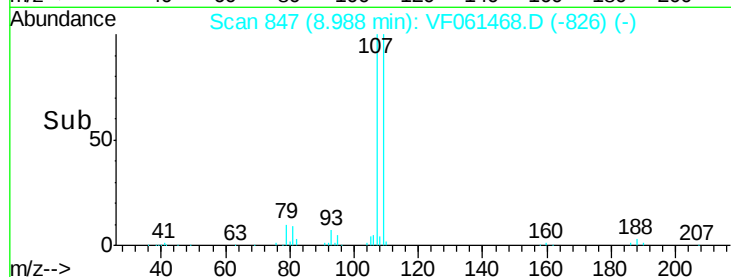
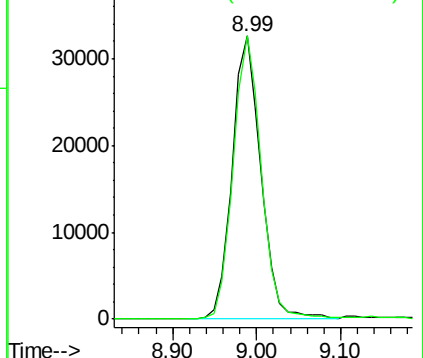
107 100

109 100.0 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: 49.681 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

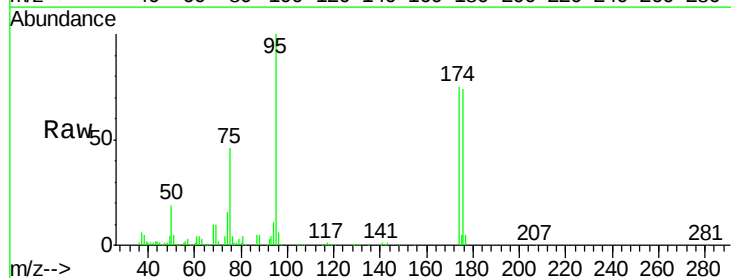
Tgt Ion: 95 Resp: 148067

Ion Ratio Lower Upper

95 100

174 74.7 0.0 130.4

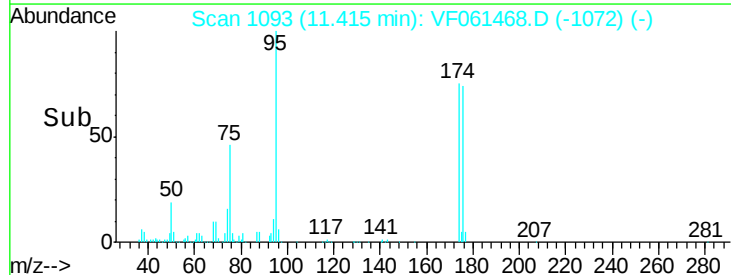
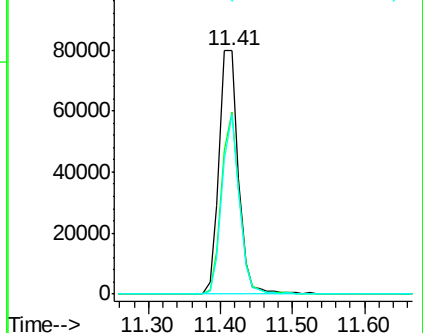
176 73.5 0.0 126.2

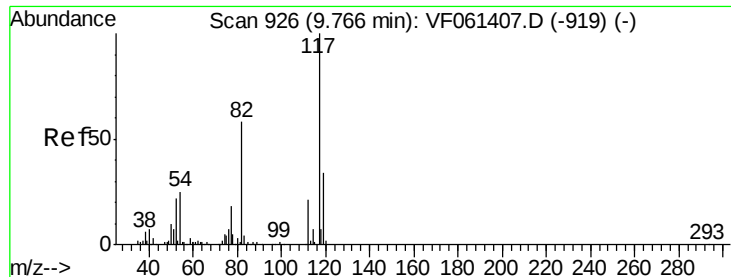


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

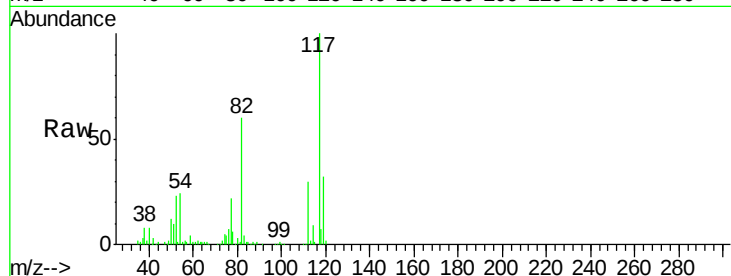
Tot Ion:117 Resp: 301041

Ion Ratio Lower Upper

117 100

82 60.1 46.4 69.6

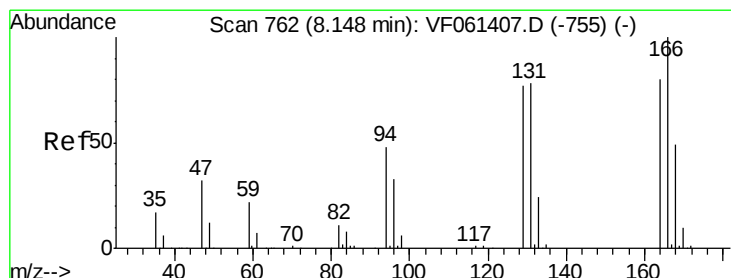
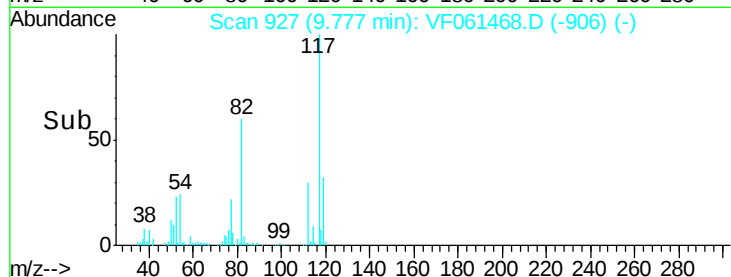
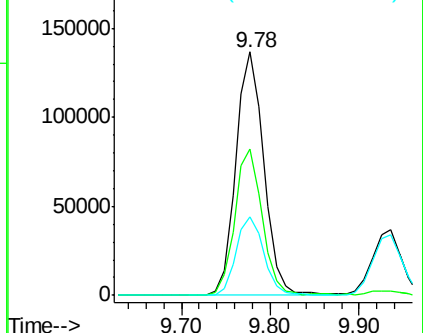
119 32.3 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 47.589 ug/l

RT: 8.15 min Scan# 762

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Tgt Ion:164 Resp: 107735

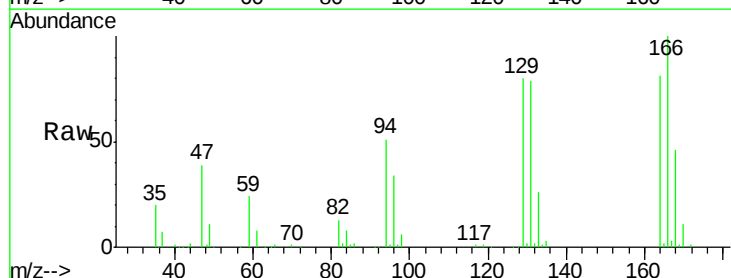
Ion Ratio Lower Upper

164 100

166 123.2 99.6 149.4

129 98.1 76.4 114.6

131 96.8 77.9 116.9

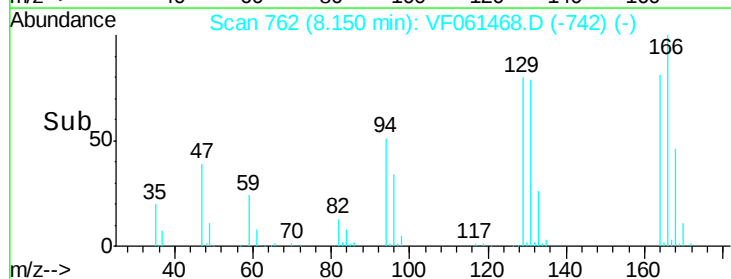
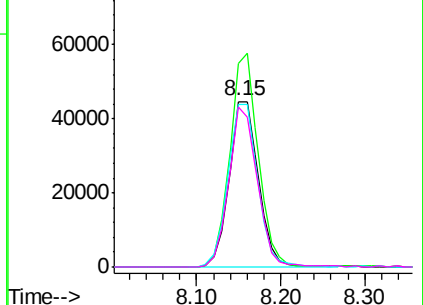


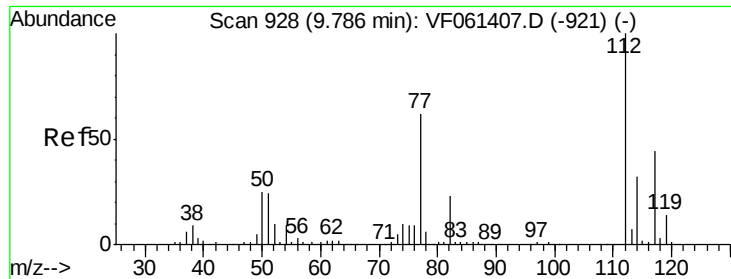
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

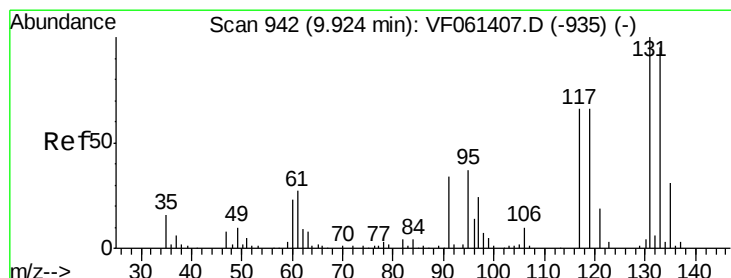
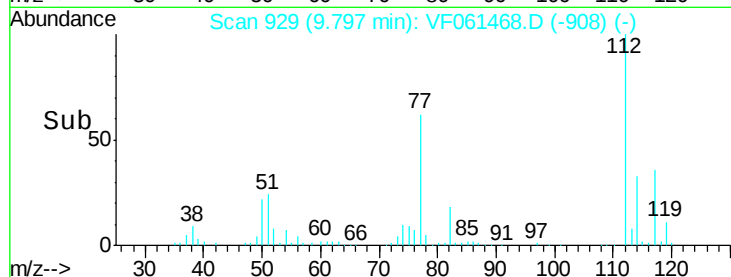
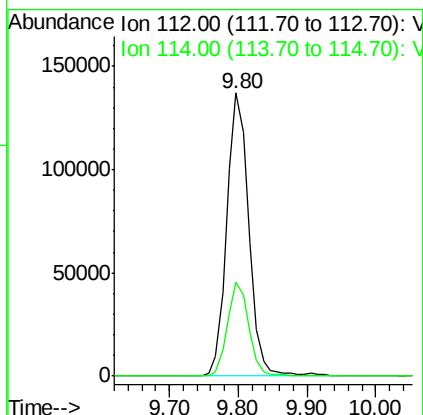
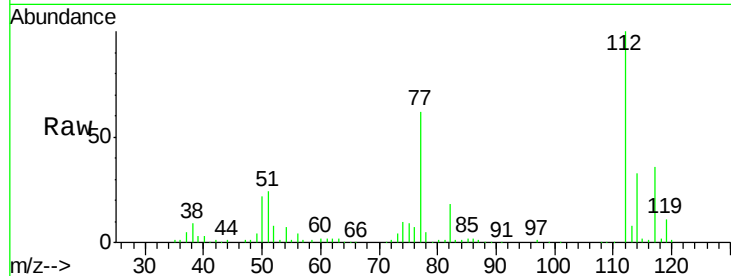




#65
Chlorobenzene
Concen: 49.762 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

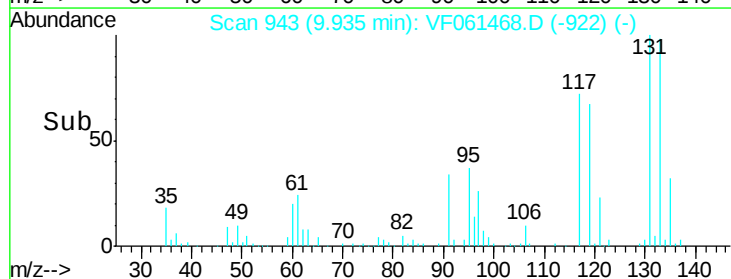
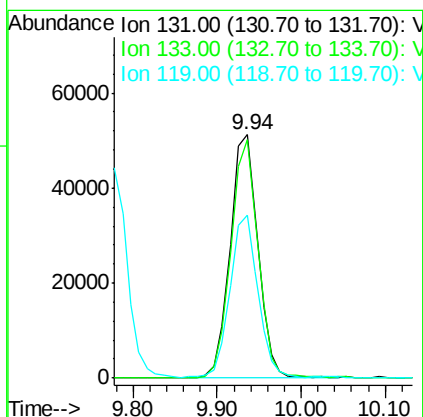
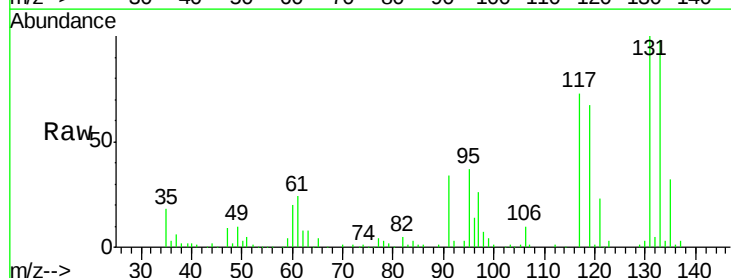
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

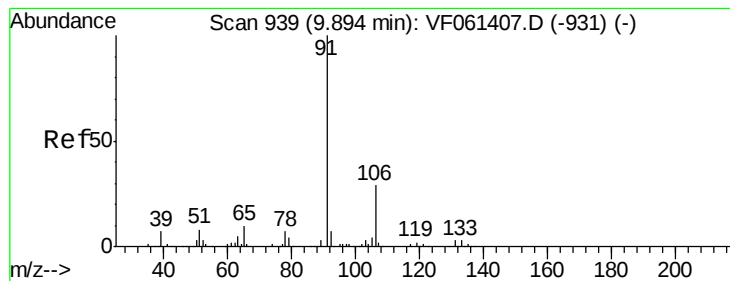
Tot Ion:112 Resp: 304636
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.644 ug/l
RT: 9.94 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion:131 Resp: 118631
Ion Ratio Lower Upper
131 100
133 98.1 47.4 142.2
119 66.8 33.1 99.3





#67

Ethyl Benzene

Concen: 48.501 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

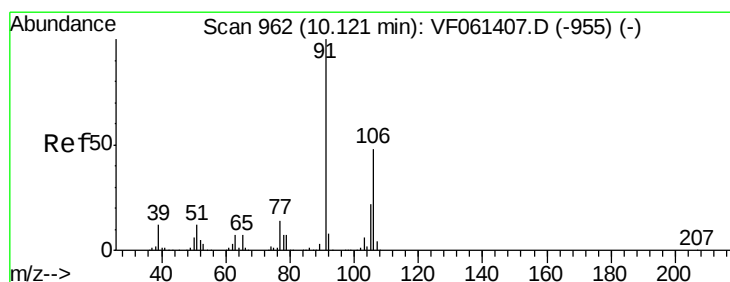
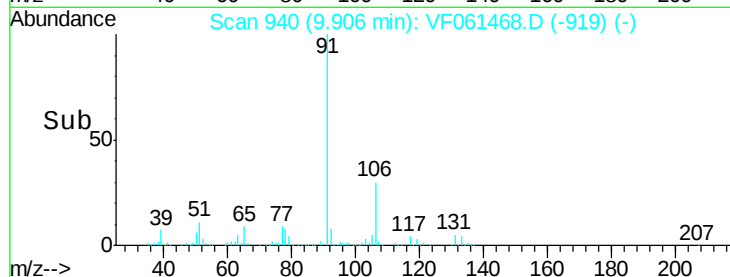
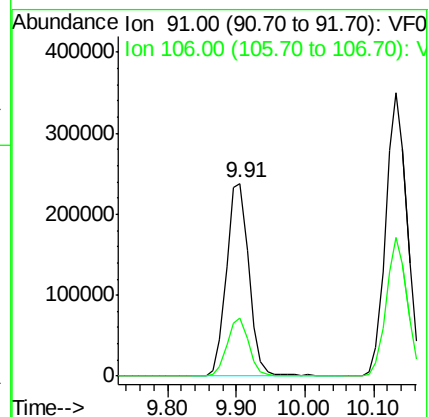
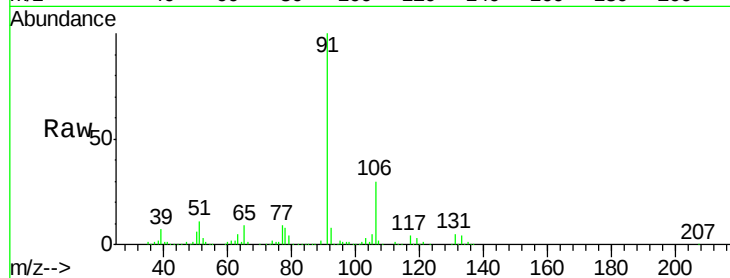
VSTDCCC050

Tot Ion: 91 Resp: 542486

Ion Ratio Lower Upper

91 100

106 30.1 23.1 34.7



#68

m/p-Xylenes

Concen: 91.520 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061468.D

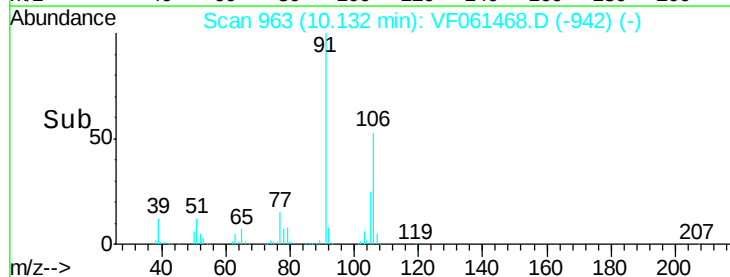
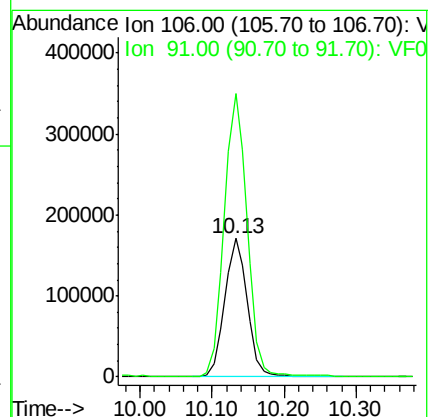
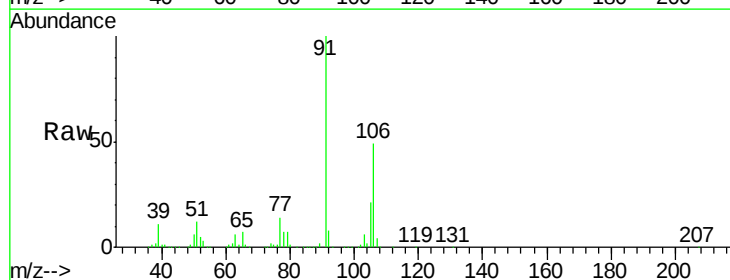
Acq: 21 Jan 2019 11:39

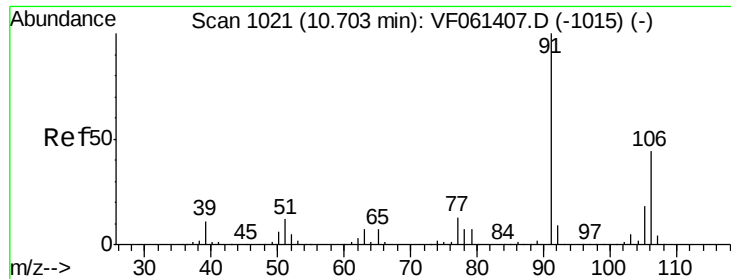
Tgt Ion: 106 Resp: 368173

Ion Ratio Lower Upper

106 100

91 204.8 166.2 249.4

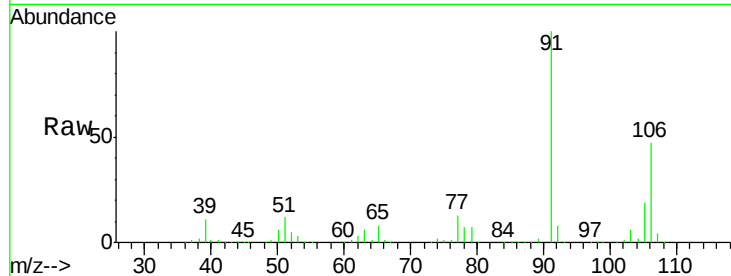




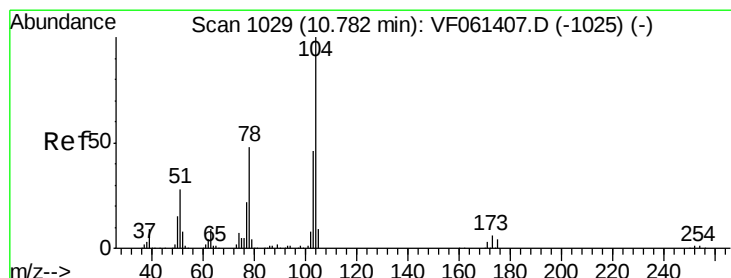
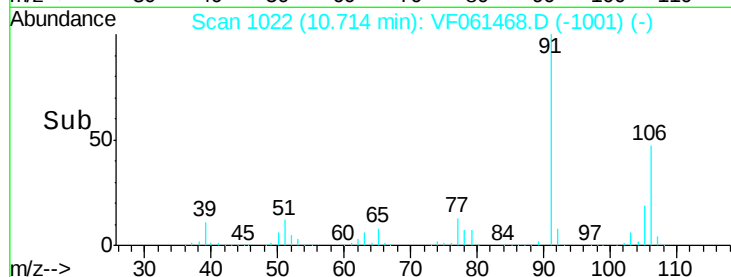
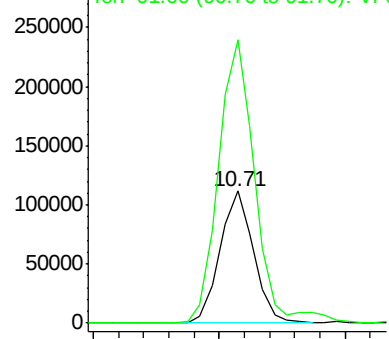
#69
o-Xylene
Concen: 47.366 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 206517
Ion Ratio Lower Upper
106 100
91 214.6 113.3 339.8

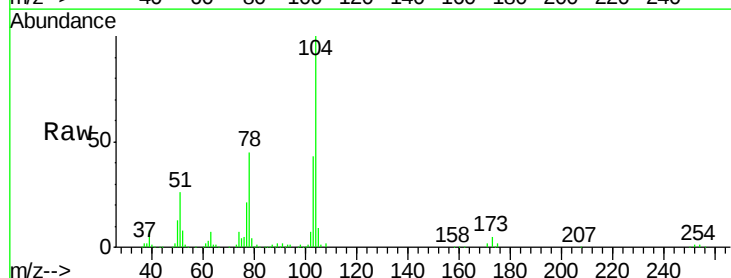


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

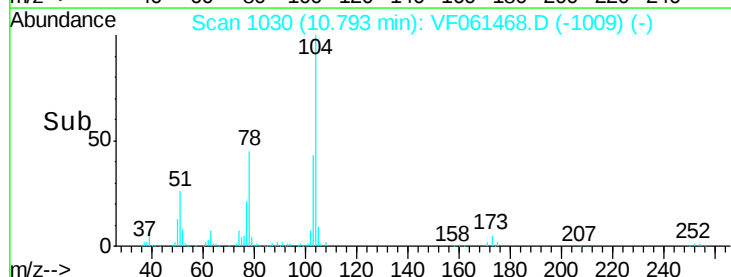
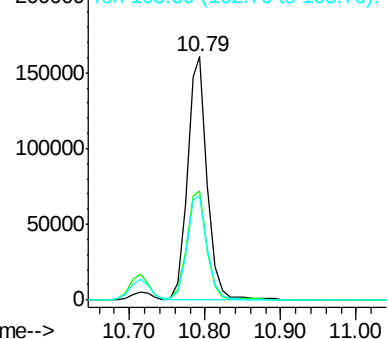


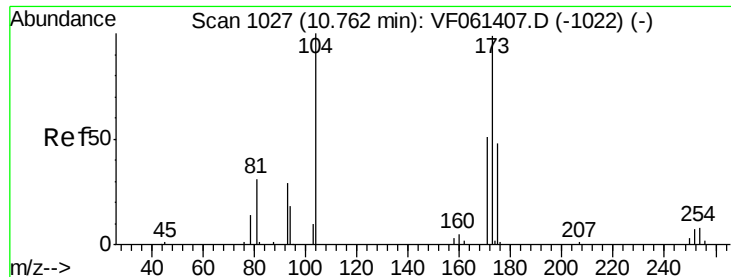
#70
Styrene
Concen: 49.054 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion:104 Resp: 292765
Ion Ratio Lower Upper
104 100
78 44.7 38.8 58.2
103 42.6 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.125 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

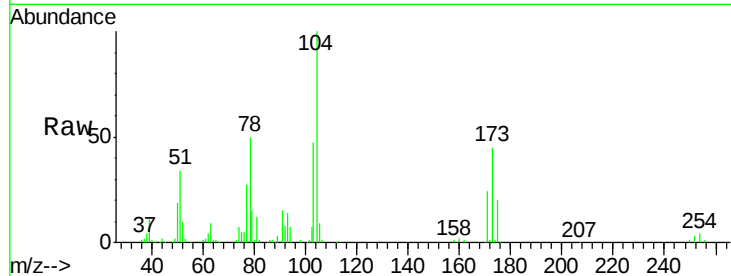
Tot Ion:173 Resp: 51637

Ion Ratio Lower Upper

173 100

175 44.2 24.1 72.4

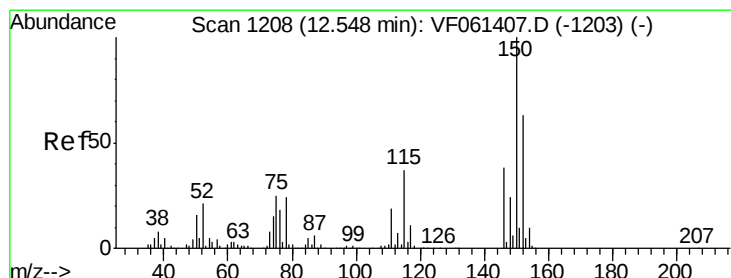
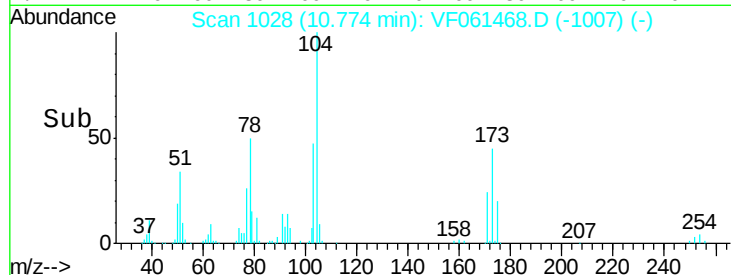
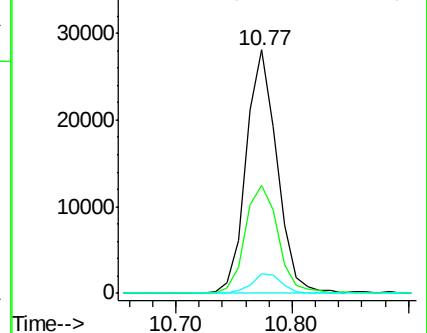
254 8.0 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

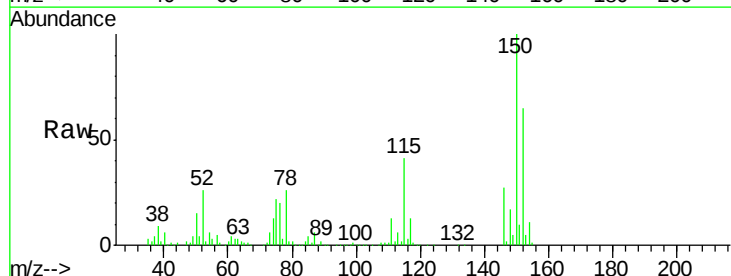
Tgt Ion:152 Resp: 141627

Ion Ratio Lower Upper

152 100

115 62.0 30.0 90.0

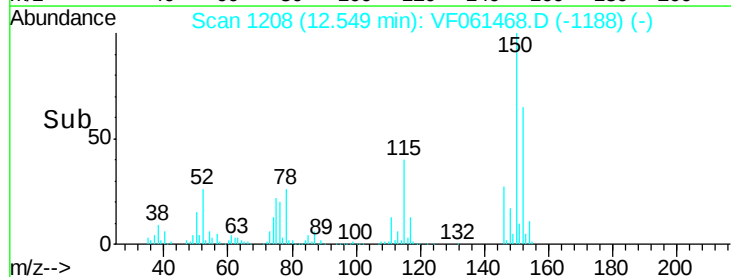
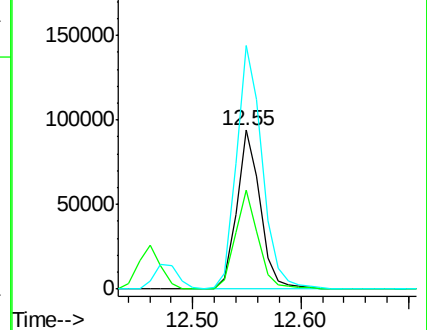
150 153.1 0.0 321.4

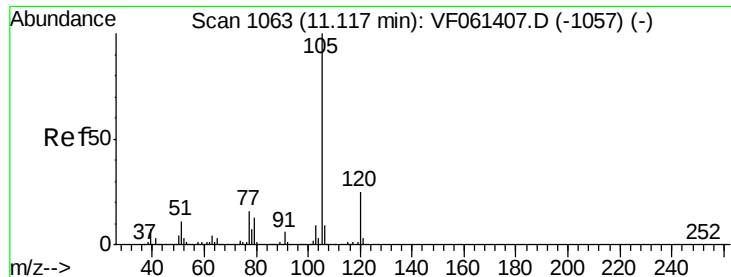


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.854 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

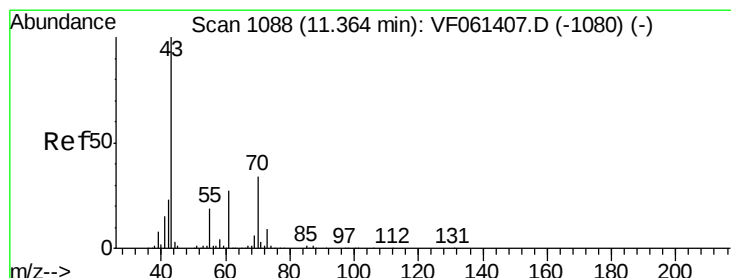
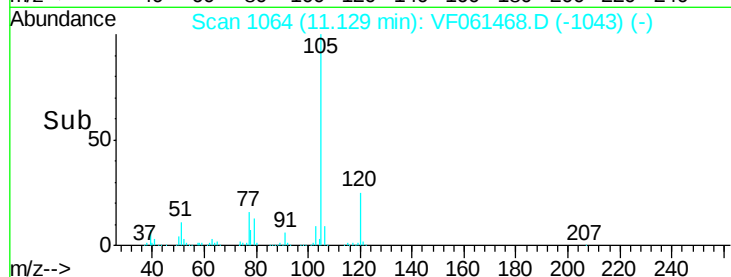
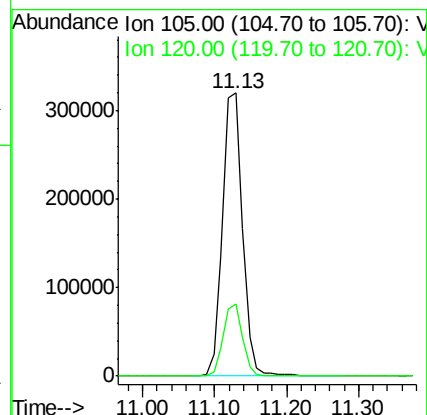
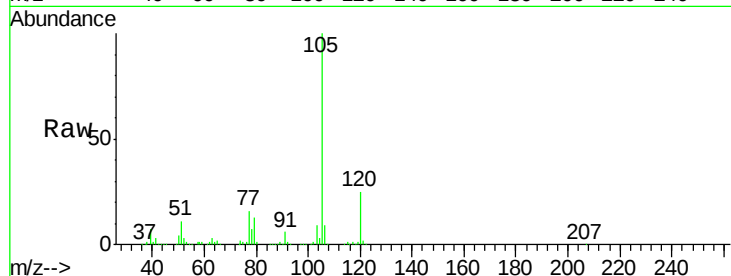
VSTDCCC050

Tot Ion:105 Resp: 608814

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.8



#74

N-ethyl acetate

Concen: 49.775 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Tgt Ion: 43 Resp: 135575

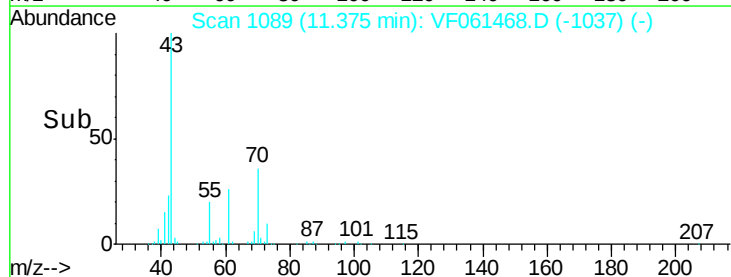
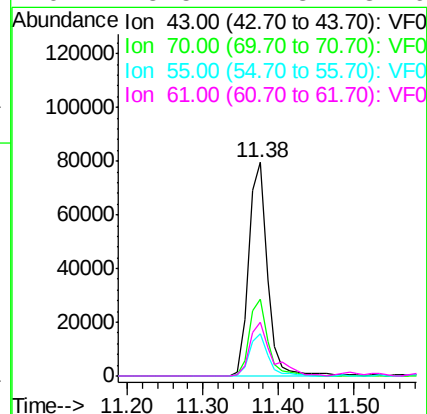
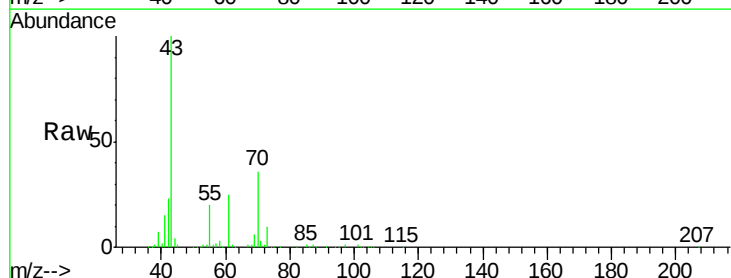
Ion Ratio Lower Upper

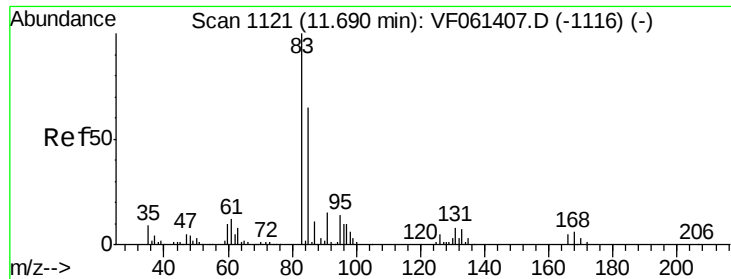
43 100

70 35.9 27.6 41.4

55 19.9 15.4 23.2

61 25.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.363 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

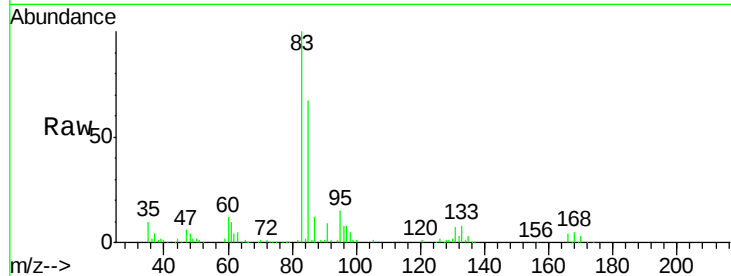
Tot Ion: 83 Resp: 97190

Ion Ratio Lower Upper

83 100

131 7.4 4.0 12.2

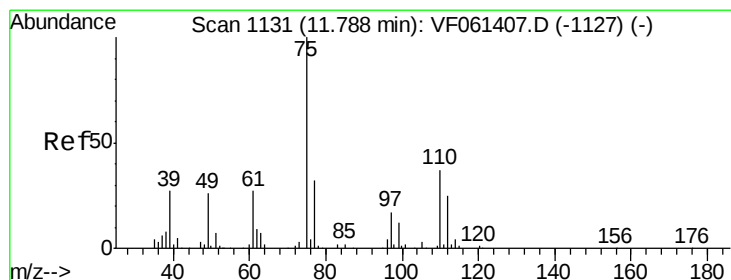
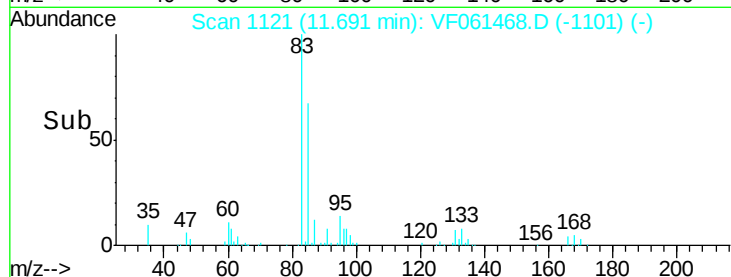
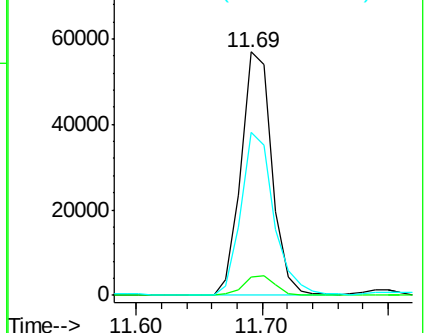
85 67.0 32.7 98.1



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: 47.356 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF061468.D

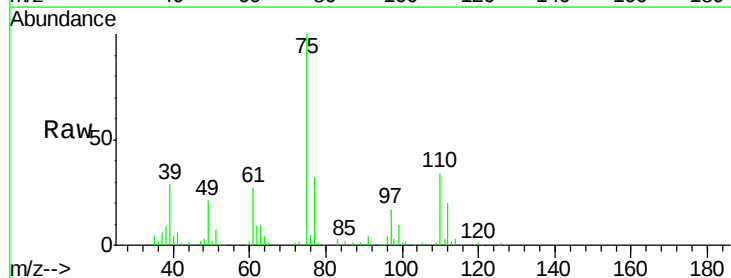
Acq: 21 Jan 2019 11:39

Tgt Ion: 75 Resp: 69826

Ion Ratio Lower Upper

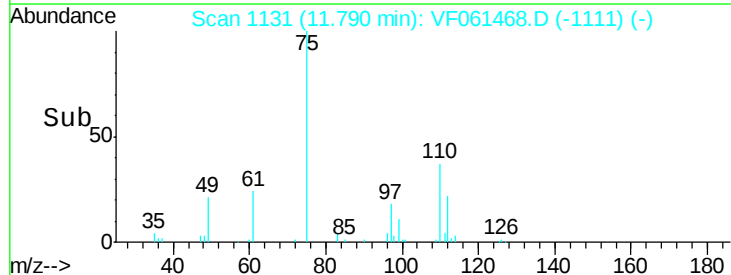
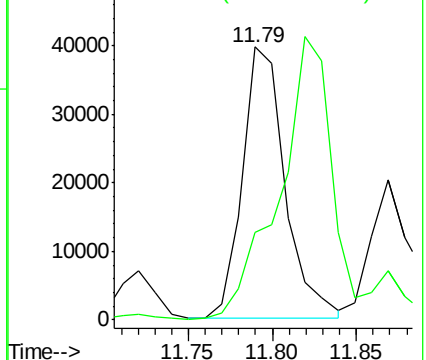
75 100

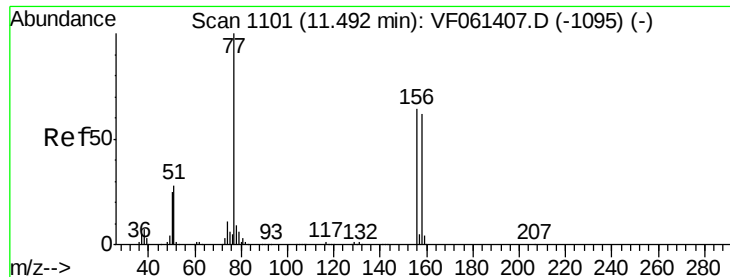
77 32.1 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.202 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

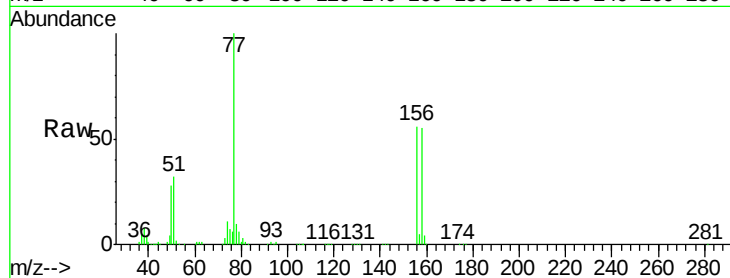
Tot Ion:156 Resp: 117259

Ion Ratio Lower Upper

156 100

77 177.5 78.3 234.9

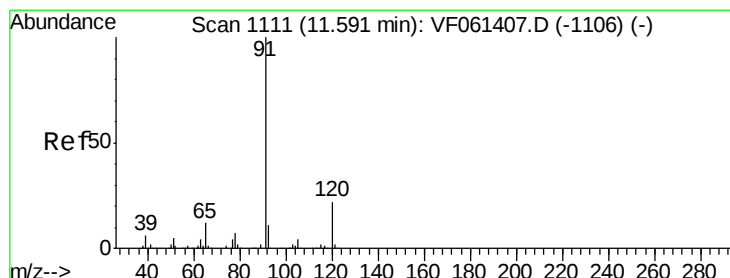
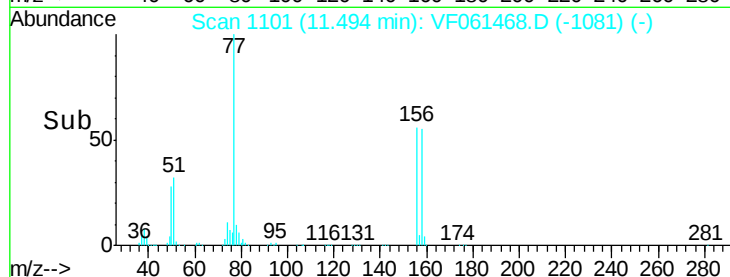
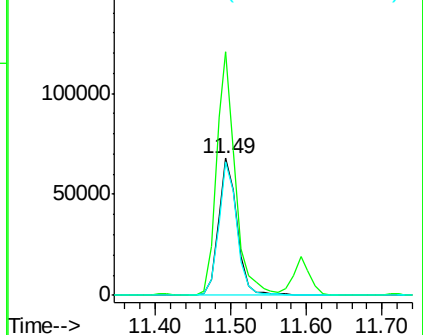
158 97.8 48.9 146.7



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: 50.691 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061468.D

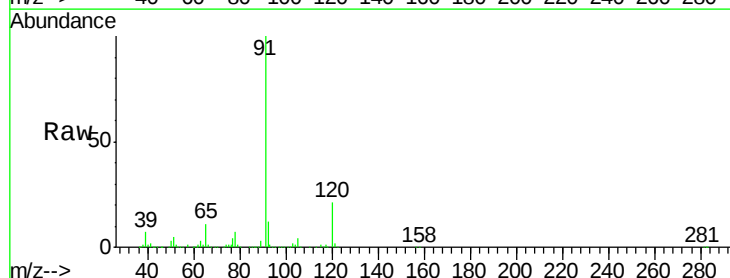
Acq: 21 Jan 2019 11:39

Tgt Ion: 91 Resp: 709943

Ion Ratio Lower Upper

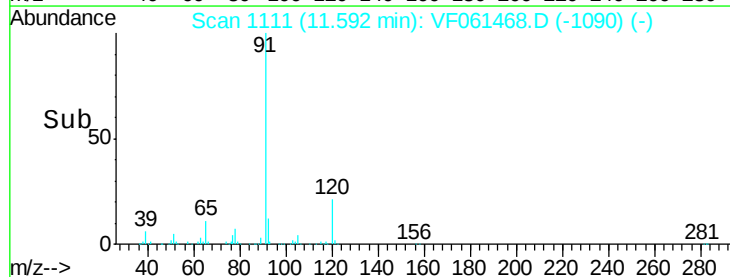
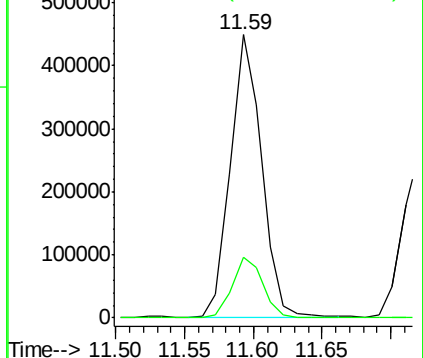
91 100

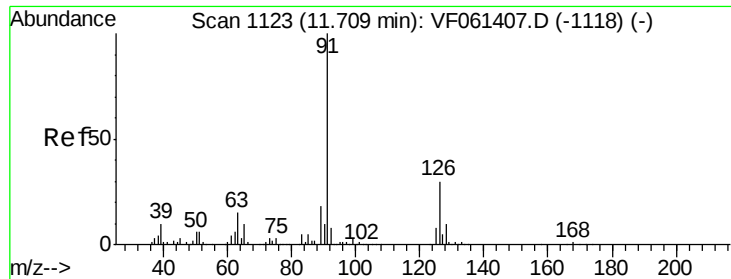
120 21.5 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.853 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

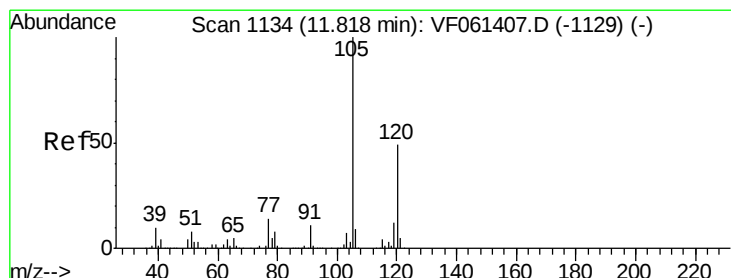
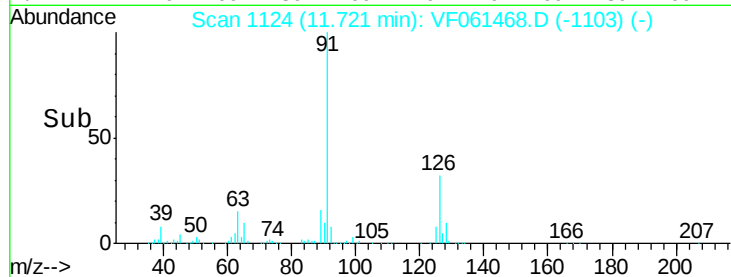
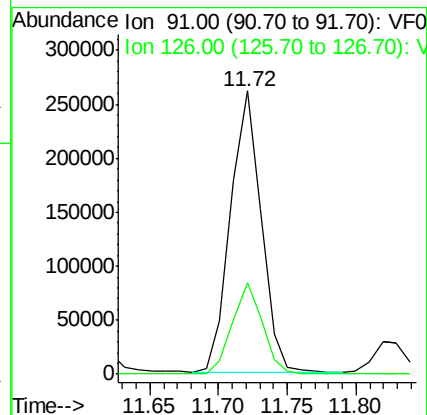
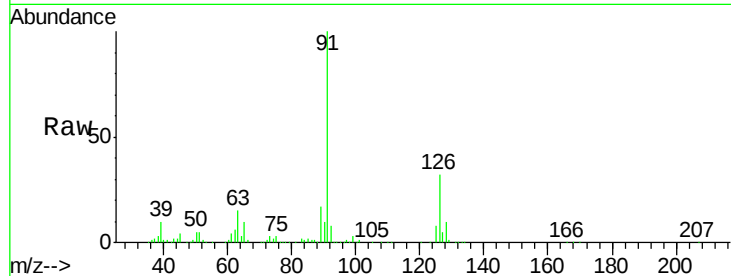
VSTDCCC050

Tot Ion: 91 Resp: 406428

Ion Ratio Lower Upper

91 100

126 32.3 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 52.617 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF061468.D

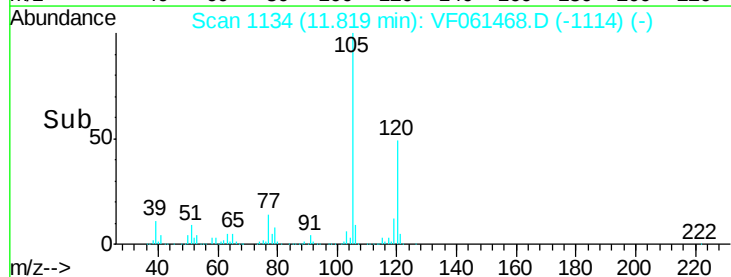
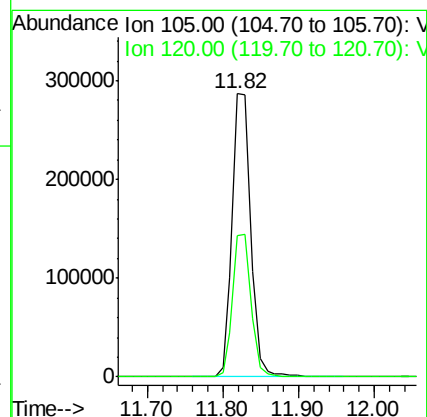
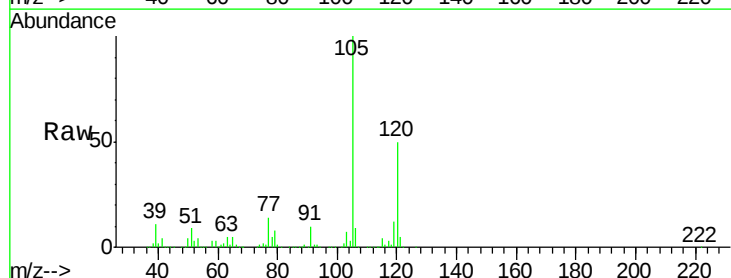
Acq: 21 Jan 2019 11:39

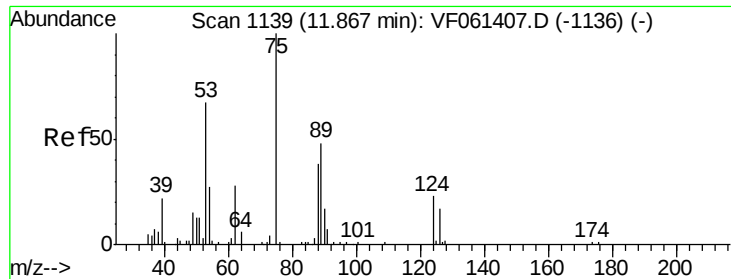
Tgt Ion: 105 Resp: 489122

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 68.090 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

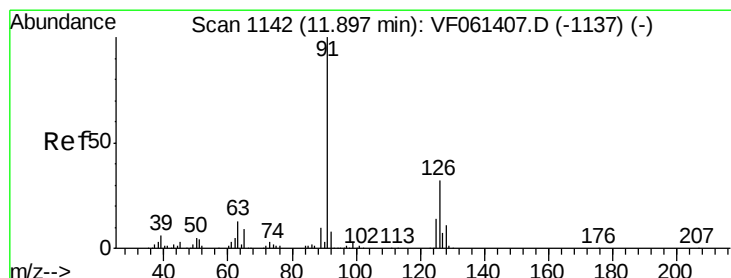
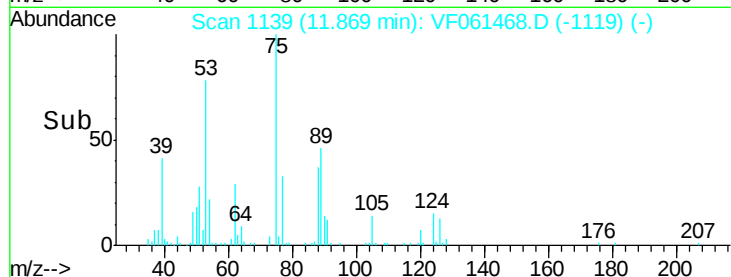
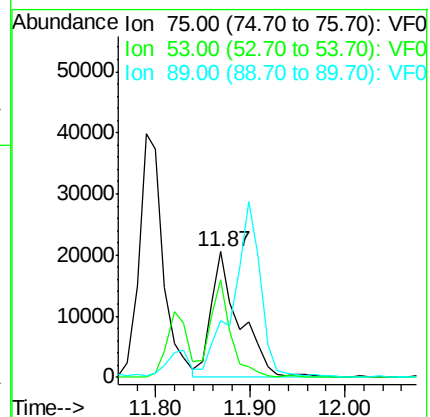
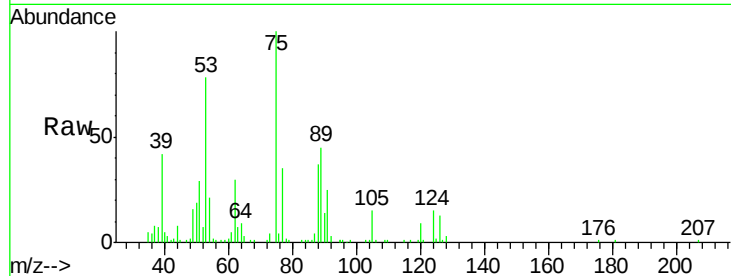
Tot Ion: 75 Resp: 43644

Ion Ratio Lower Upper

75 100

53 77.5 57.8 86.6

89 45.1 40.7 61.1



#82

4-Chlorotoluene

Concen: 50.191 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061468.D

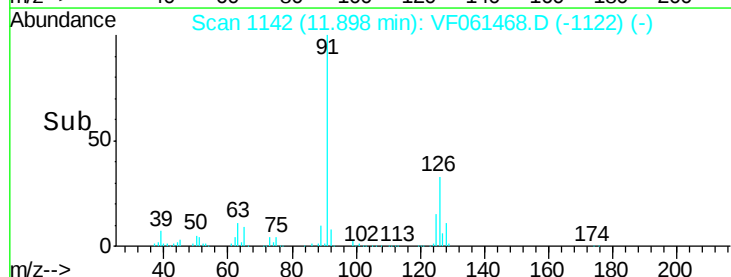
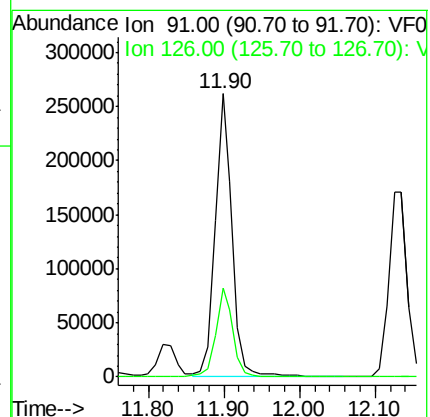
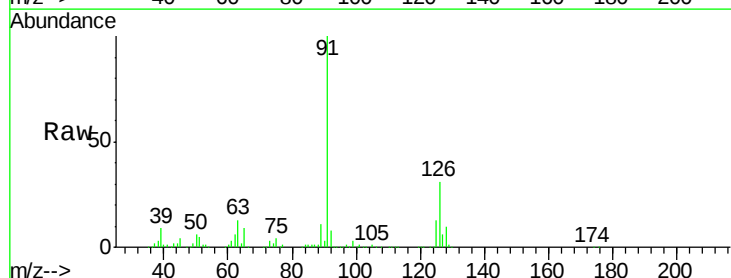
Acq: 21 Jan 2019 11:39

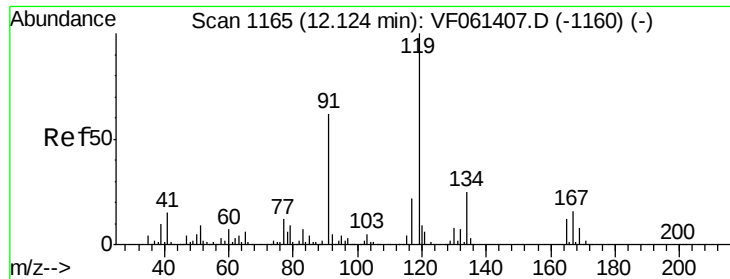
Tgt Ion: 91 Resp: 404786

Ion Ratio Lower Upper

91 100

126 31.2 16.0 47.9

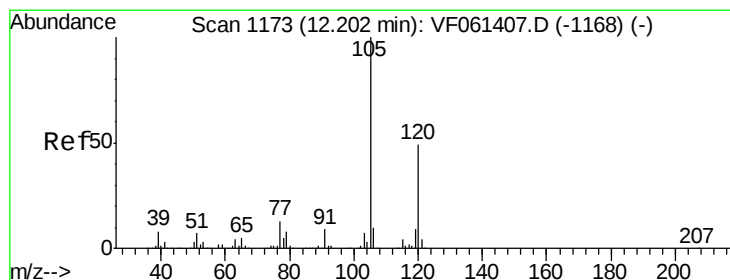
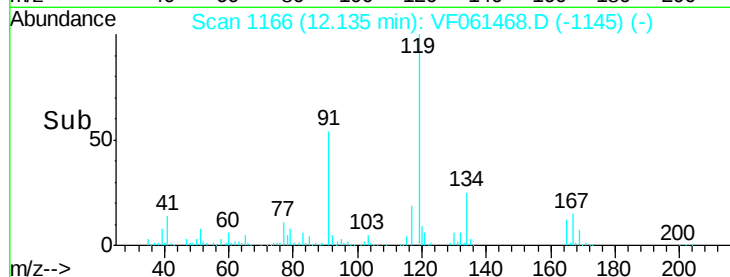
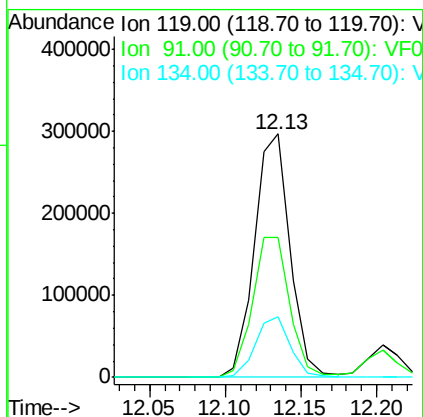
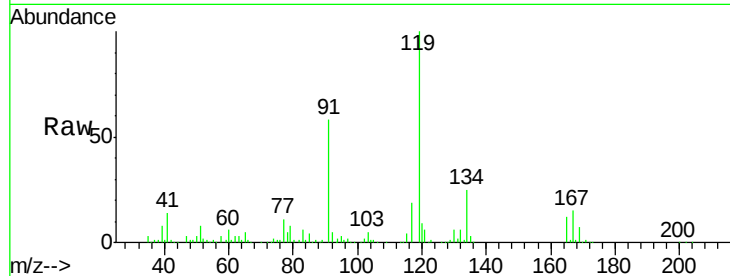




#83
tert-Butylbenzene
Concen: 50.955 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

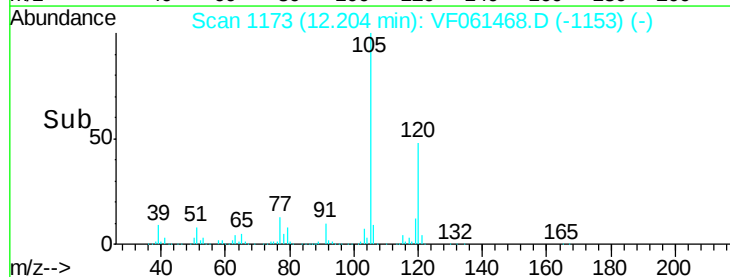
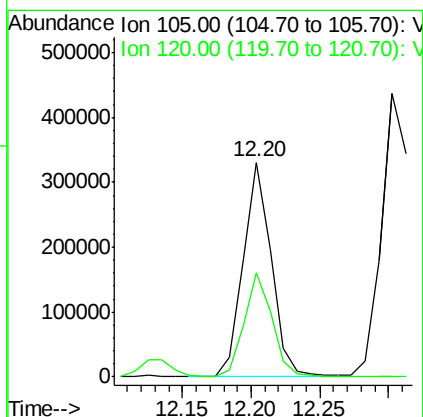
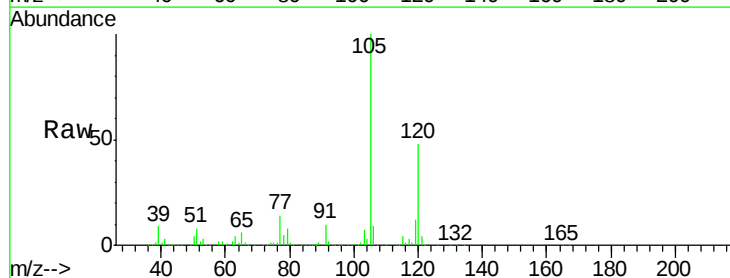
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

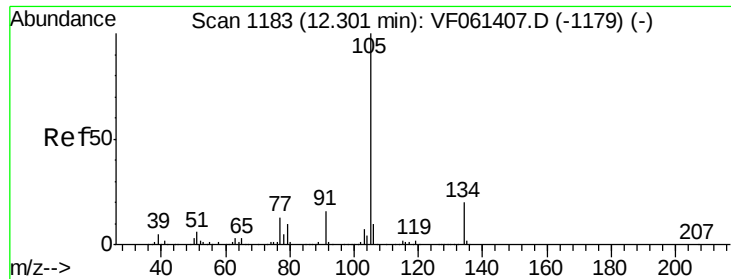
Tot Ion:119 Resp: 490260
Ion Ratio Lower Upper
119 100
91 57.6 31.3 93.8
134 25.1 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 49.605 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion:105 Resp: 474973
Ion Ratio Lower Upper
105 100
120 48.5 24.9 74.6

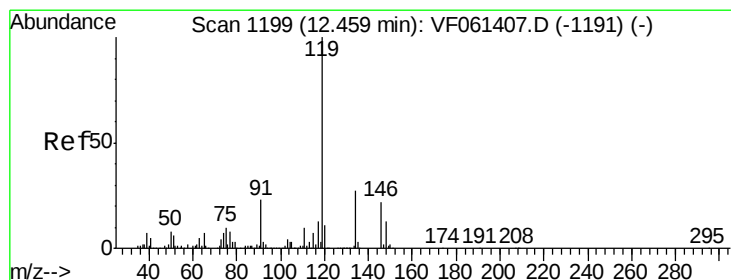
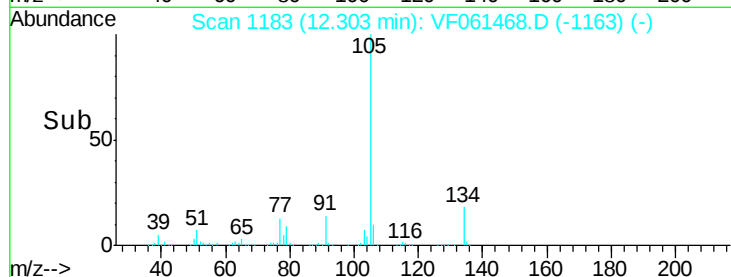
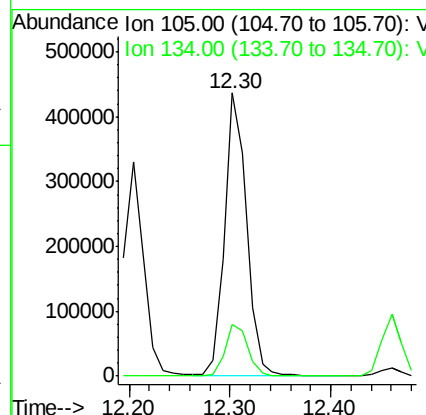
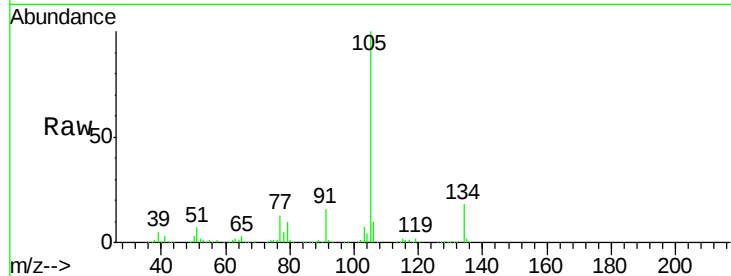




#85
 sec-Butylbenzene
 Concen: 50.770 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

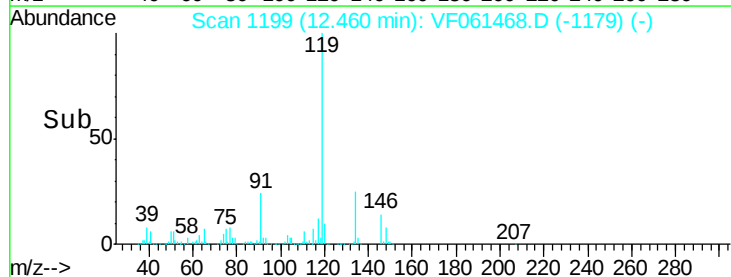
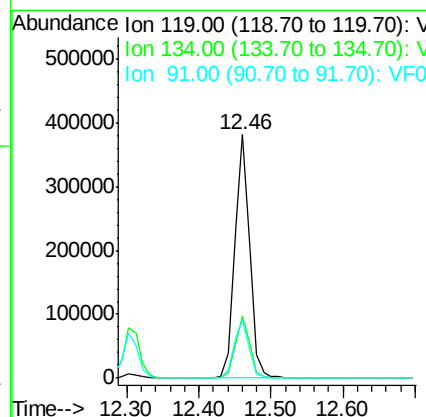
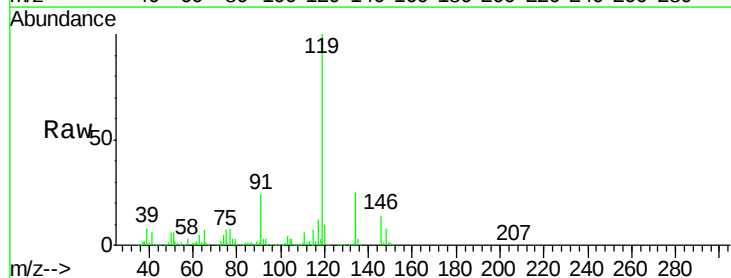
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

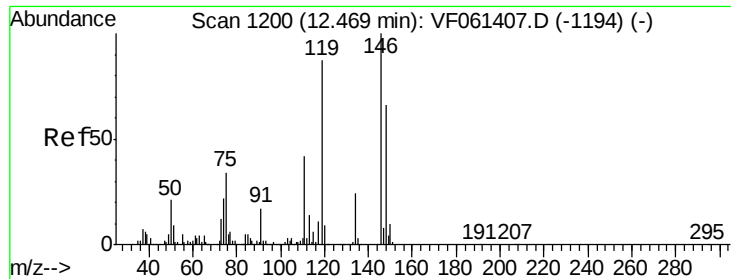
Tot Ion:105 Resp: 663368
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 50.620 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Tgt Ion:119 Resp: 542945
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.4 40.2
 91 23.7 11.4 34.2

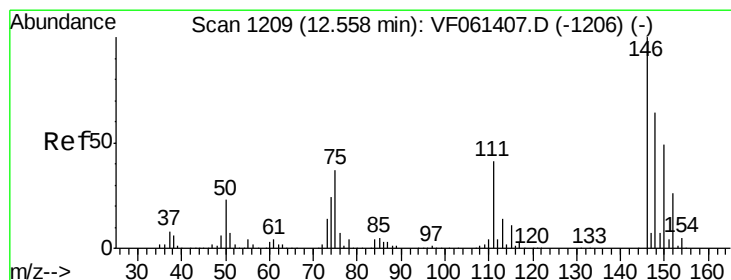
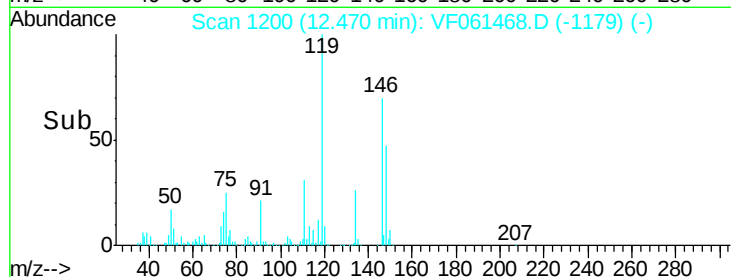
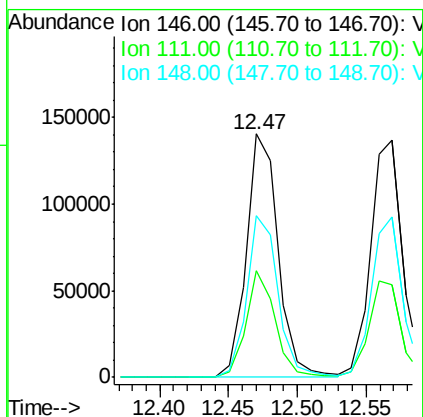
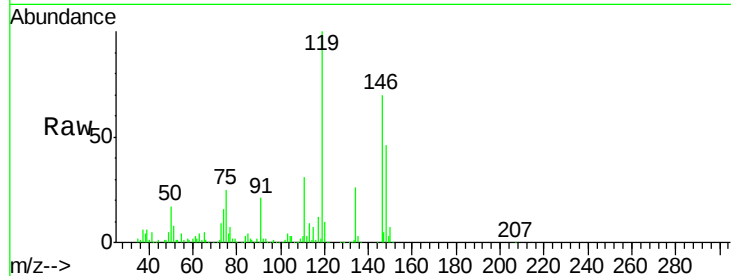




#87
 1,3-Dichlorobenzene
 Concen: 46.599 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

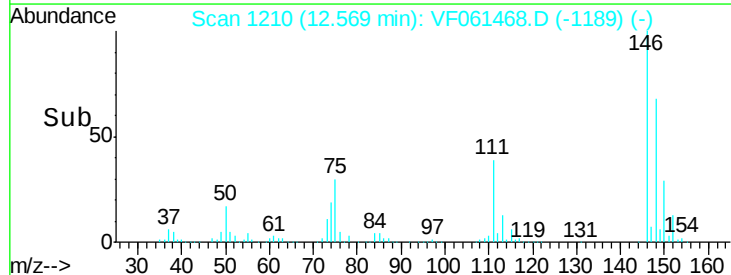
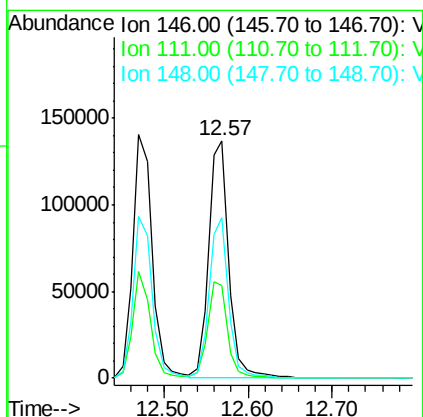
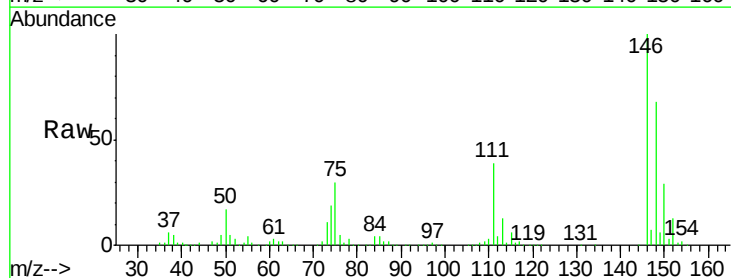
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

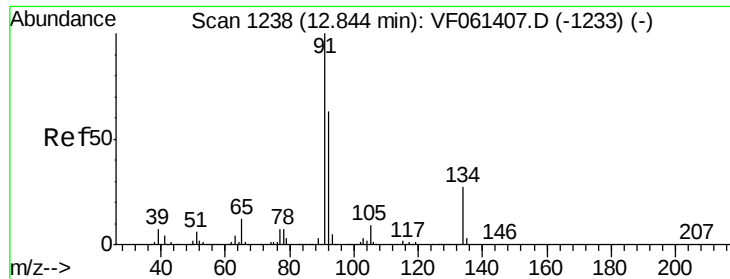
Tot Ion:146 Resp: 227008
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.4
 148 66.3 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.044 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Tgt Ion:146 Resp: 225453
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.8 62.2
 148 67.7 32.1 96.5

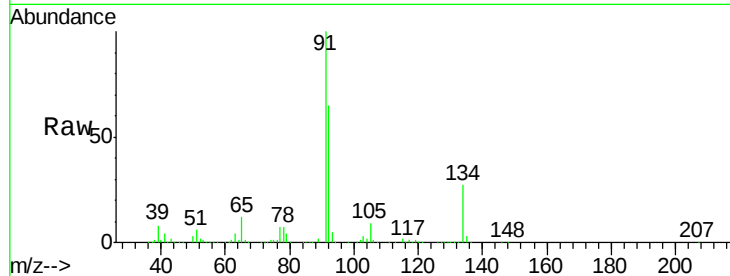




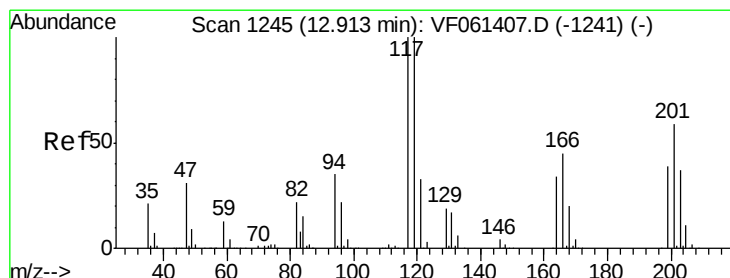
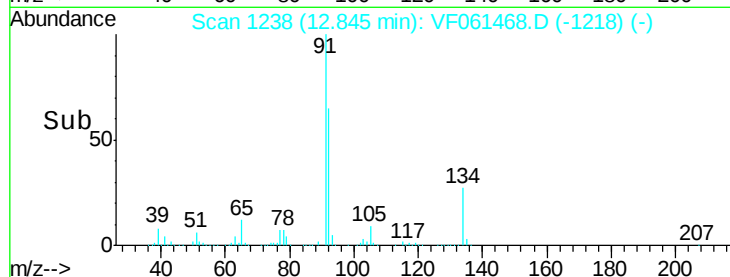
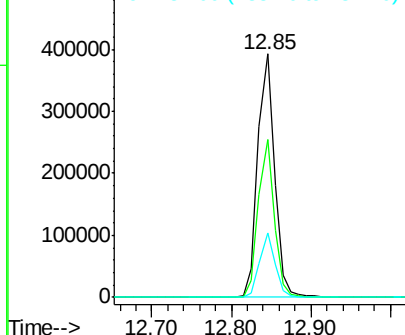
#89
n-Butylbenzene
Concen: 50.883 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 562848
Ion Ratio Lower Upper
91 100
92 64.6 31.6 94.7
134 26.5 13.6 40.8

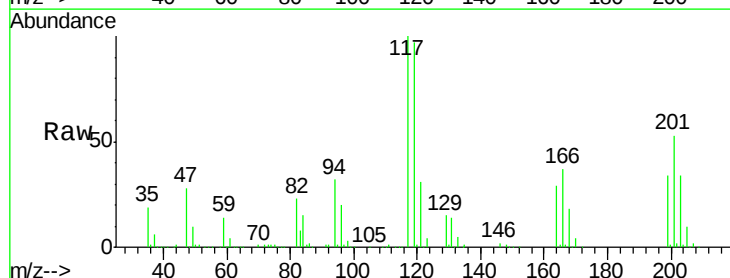


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

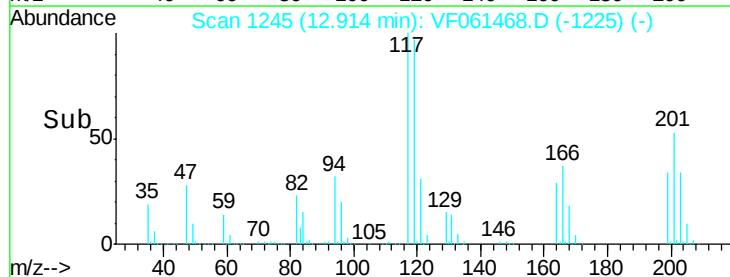
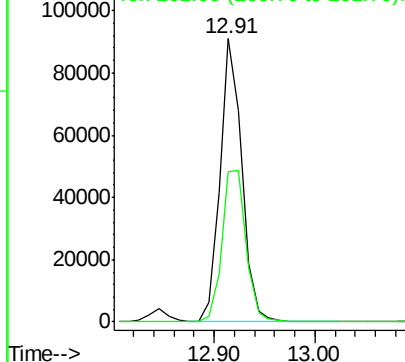


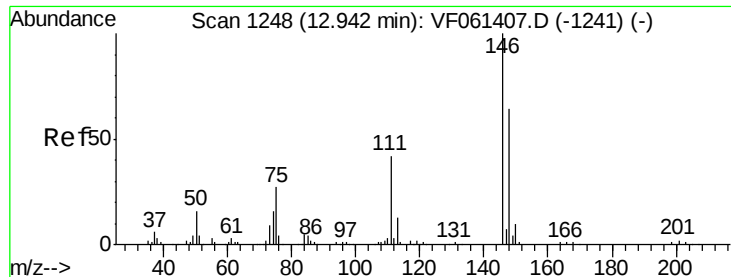
#90
Hexachloroethane
Concen: 54.541 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061468.D
Acq: 21 Jan 2019 11:39

Tgt Ion: 117 Resp: 137899
Ion Ratio Lower Upper
117 100
201 52.9 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: 48.450 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

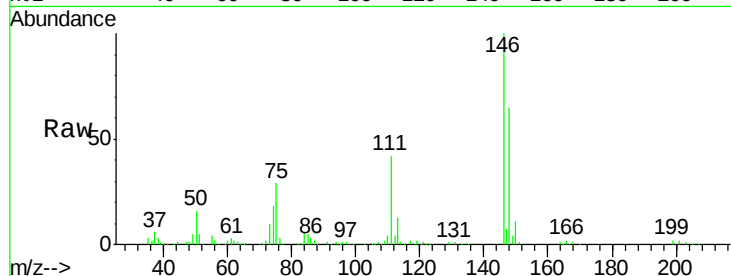
Tot Ion:146 Resp: 220482

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.3

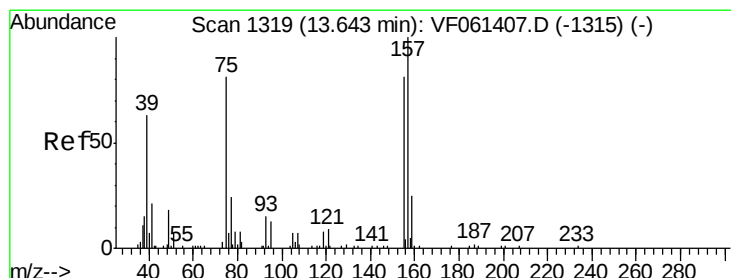
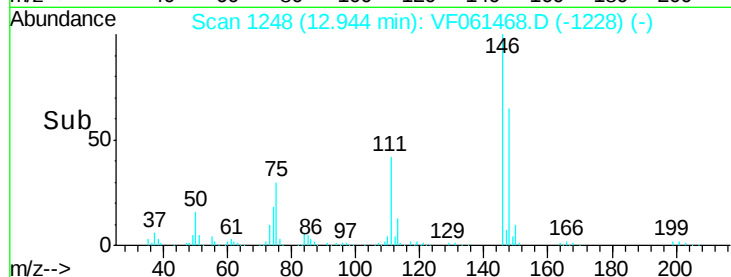
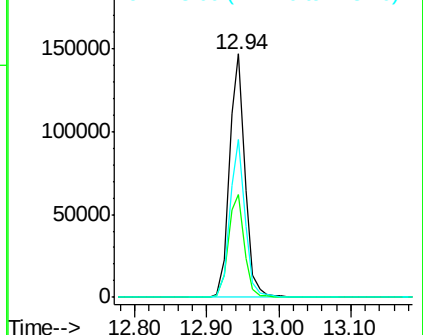
148 65.0 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.136 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

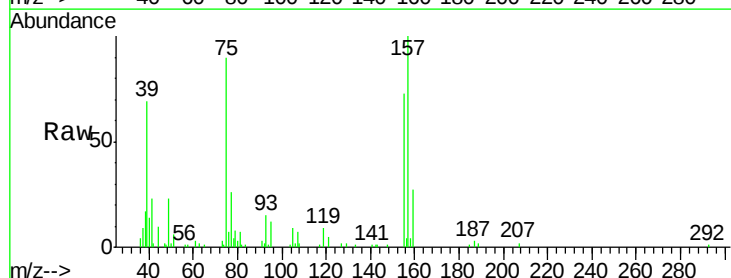
Tgt Ion: 75 Resp: 17156

Ion Ratio Lower Upper

75 100

155 81.6 49.7 149.1

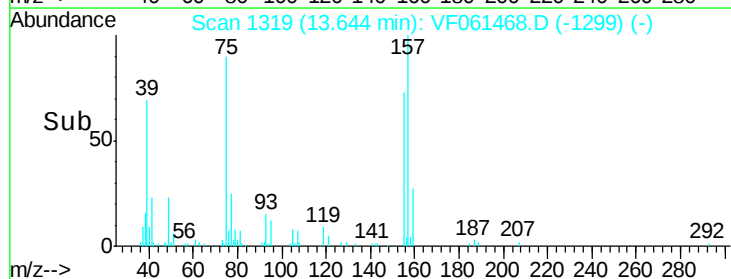
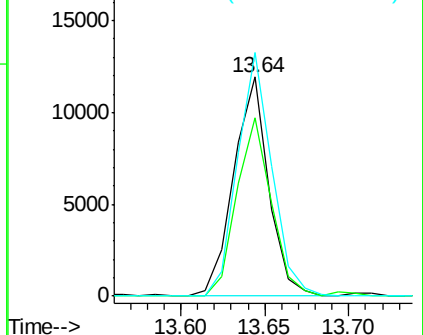
157 111.2 61.4 184.1

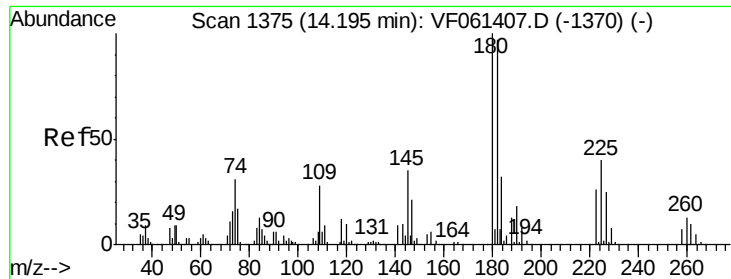


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

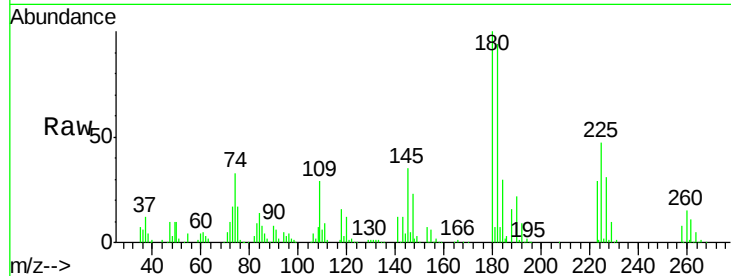




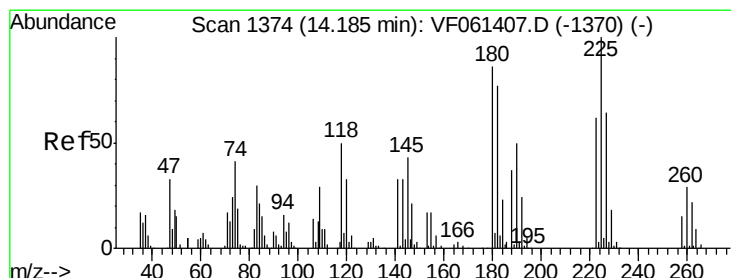
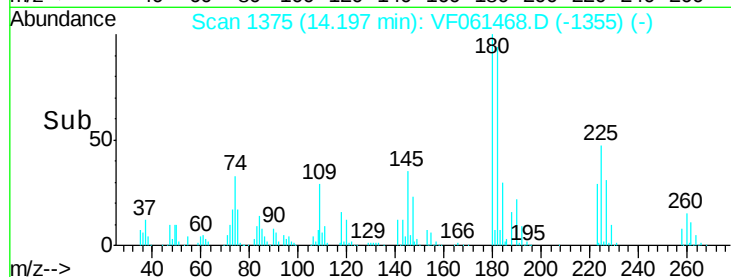
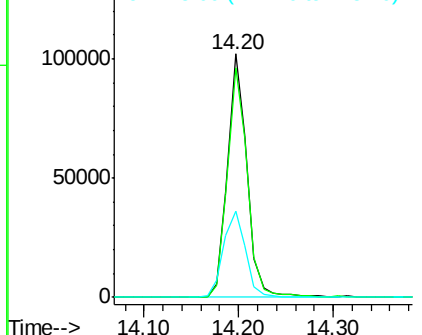
#93
 1,2,4-Trichlorobenzene
 Concen: 45.890 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 146293
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.5 145.6
 145 35.3 17.5 52.6

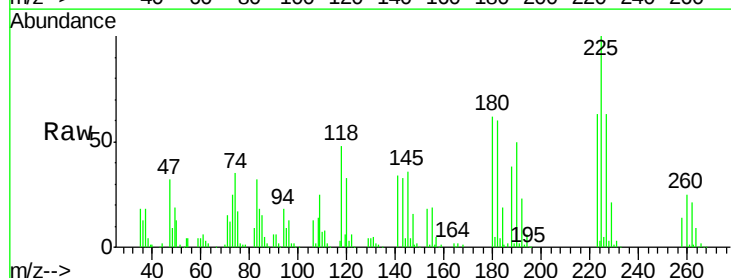


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

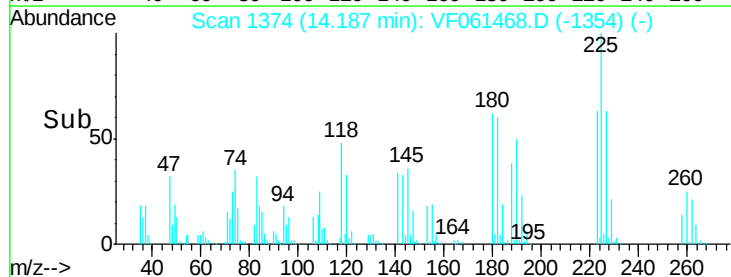
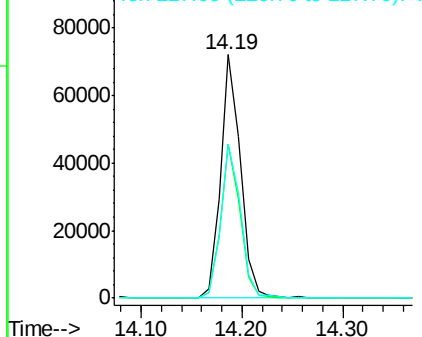


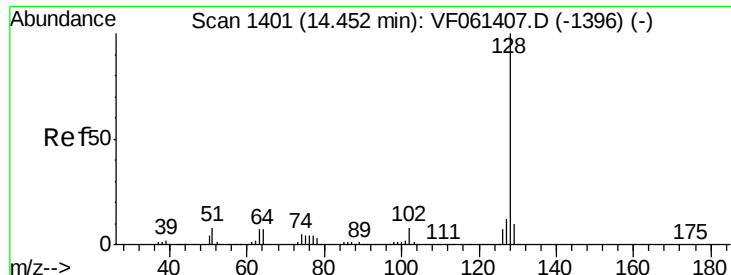
#94
 Hexachlorobutadiene
 Concen: 50.209 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061468.D
 Acq: 21 Jan 2019 11:39

Tgt Ion:225 Resp: 99322
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.2
 227 63.4 32.2 96.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 46.058 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

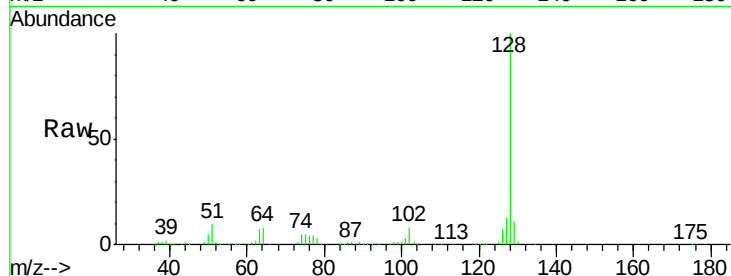
Tot Ion:128 Resp: 278964

Ion Ratio Lower Upper

128 100

127 12.5 9.5 14.3

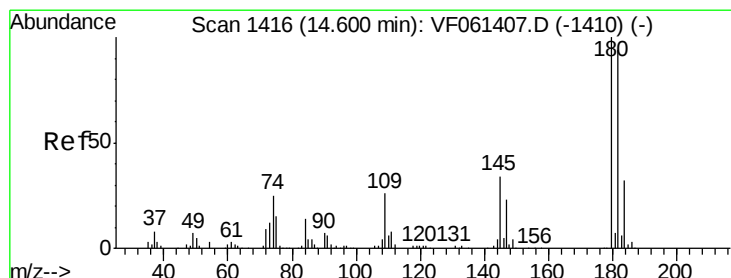
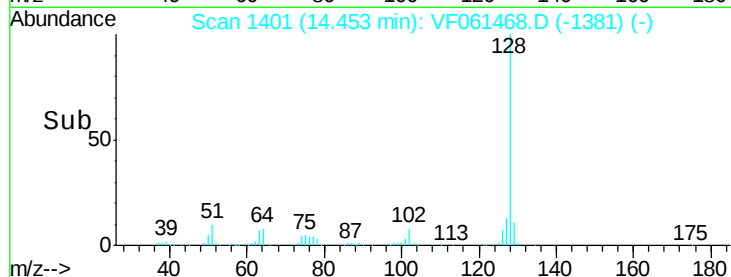
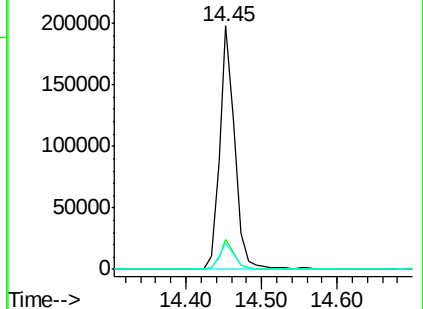
129 10.6 8.4 12.6



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: 45.892 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061468.D

Acq: 21 Jan 2019 11:39

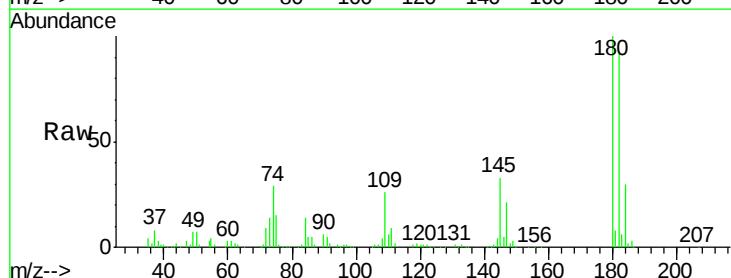
Tgt Ion:180 Resp: 135430

Ion Ratio Lower Upper

180 100

182 92.7 47.0 141.2

145 33.2 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

