

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059925.D
 Acq On : 8 Aug 2018 11:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 09 05:19:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	102579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	145306	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	148939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	97789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	91189	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	4.30	113	71584	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	7.72	98	157525	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.51	95	92887	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	91858	52.41	ug/l	97
3) Chloromethane	1.09	50	43679	53.88	ug/l	99
4) Vinyl Chloride	1.15	62	44643	53.75	ug/l	90
5) Bromomethane	1.34	94	40422	51.56	ug/l	98
6) Chloroethane	1.43	64	30122	57.74	ug/l	93
7) Trichlorofluoromethane	1.54	101	128387	56.48	ug/l	97
8) Diethyl Ether	1.71	74	18986	52.63	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60961	48.60	ug/l	92
10) Methyl Iodide	1.96	142	104061	54.00	ug/l	96
11) Tert butyl alcohol	2.68	59	22395	300.22	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	49317	53.82	ug/l	90
13) Acrolein	2.09	56	13028	291.43	ug/l	95
14) Allyl chloride	2.19	41	69491	45.49	ug/l	97
15) Acrylonitrile	3.08	53	34482	252.26	ug/l #	79
16) Acetone	2.34	43	85083	249.22	ug/l	96
17) Carbon Disulfide	1.89	76	131991	53.96	ug/l	98
18) Methyl Acetate	2.45	43	29727	51.62	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	140127	54.02	ug/l	98
20) Methylene Chloride	2.28	84	19105	18.73	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	47814	52.53	ug/l	97
22) Diisopropyl ether	2.93	45	152349	51.84	ug/l	90
23) Vinyl Acetate	3.33	43	409144	287.58	ug/l #	95
24) 1,1-Dichloroethane	3.01	63	106106	49.58	ug/l	98
25) 2-Butanone	4.51	43	102272	275.50	ug/l	99
26) 2,2-Dichloropropane	3.77	77	53642	43.05	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	51114	49.94	ug/l	88
28) Bromochloromethane	3.89	49	38138	50.46	ug/l	87
29) Tetrahydrofuran	4.26	42	39279	287.42	ug/l	100
30) Chloroform	4.04	83	145749	50.34	ug/l	94
31) Cyclohexane	3.88	56	58972	55.67	ug/l	93
32) 1,1,1-Trichloroethane	4.29	97	117164	50.58	ug/l	95
36) 1,1-Dichloropropene	4.47	75	87122	51.84	ug/l	99
37) Ethyl Acetate	4.29	43	43759	60.64	ug/l #	75
38) Carbon Tetrachloride	4.18	117	142455	59.21	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	67287	53.38	ug/l	97
40) Benzene	4.82	78	149191	51.91	ug/l	98
41) Methacrylonitrile	4.93	41	19976	52.45	ug/l #	79
42) 1,2-Dichloroethane	5.13	62	116419	50.02	ug/l	100
43) Isopropyl Acetate	7.12	43	46215	62.19	ug/l #	99
44) Trichloroethene	5.68	130	58807	52.54	ug/l	95
45) 1,2-Dichloropropane	6.41	63	39826	51.64	ug/l	94
46) Dibromomethane	6.26	93	40194	51.65	ug/l	93
47) Bromodichloromethane	6.56	83	116548	54.75	ug/l	96
48) Methyl methacrylate	6.88	41	35099	60.71	ug/l	93
49) 1,4-Dioxane	6.88	88	5350	1264.99	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	227453	299.38	ug/l	99
52) Toluene	7.79	92	110621	52.11	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	90063	55.62	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	90895	54.39	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	42432	55.53	ug/l	95
56) Ethyl methacrylate	8.76	69	47180	55.88	ug/l	91
57) 1,3-Dichloropropane	9.01	76	74417	56.71	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	27093	267.99	ug/l	100
59) 2-Hexanone	9.64	43	168729	314.39	ug/l	95
60) Dibromochloromethane	8.87	129	78244	54.58	ug/l	91
61) 1,2-Dibromoethane	9.14	107	52459	56.34	ug/l	94
64) Tetrachloroethene	8.31	164	71393	55.57	ug/l	99
65) Chlorobenzene	9.95	112	158037	52.28	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	72041	47.91	ug/l	98
67) Ethyl Benzene	10.04	91	281302	53.41	ug/l	100
68) m/p-Xylenes	10.27	106	196705	108.04	ug/l	100
69) o-Xylene	10.83	106	104624	54.25	ug/l	96
70) Styrene	10.91	104	157532	54.74	ug/l	99
71) Bromoform	10.89	173	49683	53.91	ug/l	99
73) Isopropylbenzene	11.24	105	346516	56.89	ug/l	99
74) N-amyl acetate	11.47	43	81299	53.71	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	59296	51.85	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	51009	51.93	ug/l	99
77) Bromobenzene	11.60	156	89155	53.82	ug/l	97
78) n-propylbenzene	11.69	91	399661	55.56	ug/l	99
79) 2-Chlorotoluene	11.82	91	244536	53.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	296217	52.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	27171	77.02	ug/l #	76
82) 4-Chlorotoluene	12.00	91	264613	53.56	ug/l	99
83) tert-Butylbenzene	12.22	119	307394	55.84	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	309425	53.19	ug/l	100
85) sec-Butylbenzene	12.39	105	398216	54.44	ug/l	99
86) p-Isopropyltoluene	12.55	119	354101	57.59	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	165539	52.75	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	170285	55.27	ug/l	99
89) n-Butylbenzene	12.92	91	327926	55.96	ug/l	99
90) Hexachloroethane	13.00	117	90348	53.25	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	164728	54.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	16654	57.77	ug/l	91

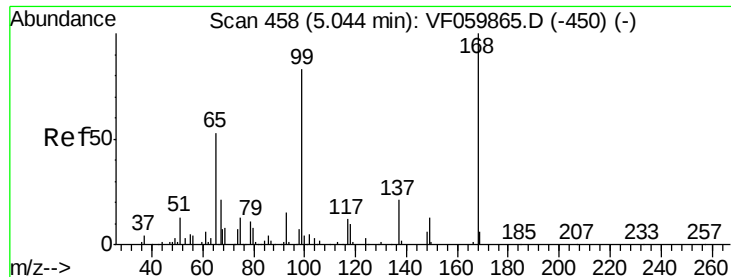
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	132354	57.72	ug/l	99
94) Hexachlorobutadiene	14.26	225	87291	53.89	ug/l	96
95) Naphthalene	14.53	128	244159	61.50	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	127039	56.10	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

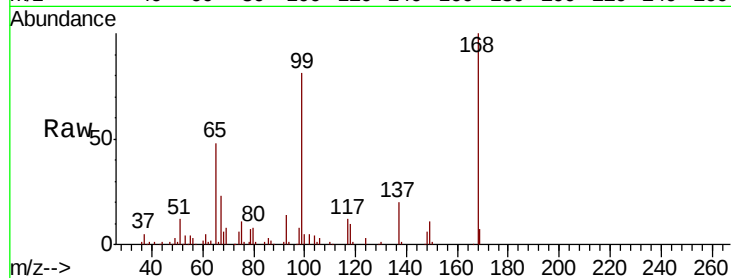
VSTDCCC050

Tot Ion:168 Resp: 102579

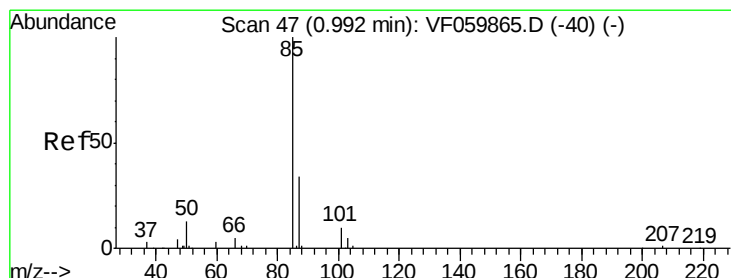
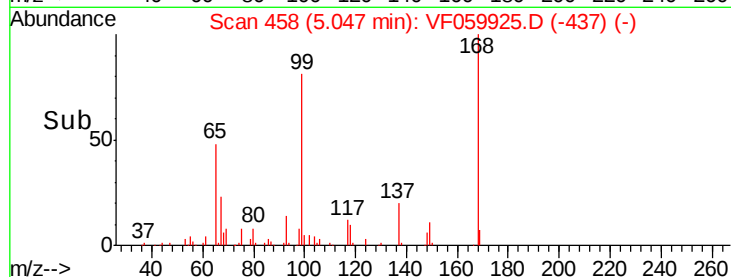
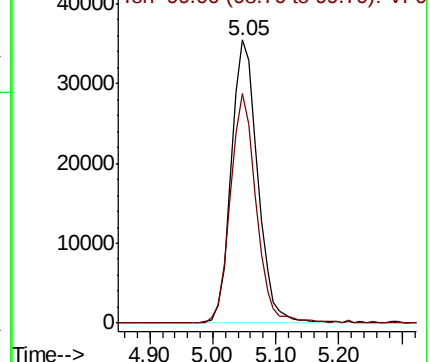
Ion Ratio Lower Upper

168 100

99 81.3 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 52.41 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059925.D

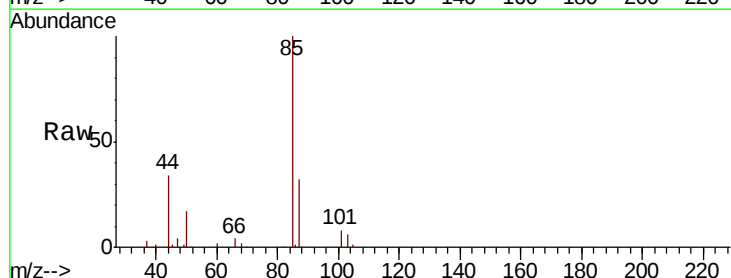
Acq: 8 Aug 2018 11:55

Tgt Ion: 85 Resp: 91858

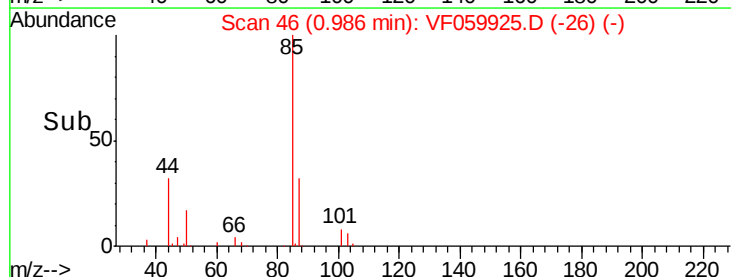
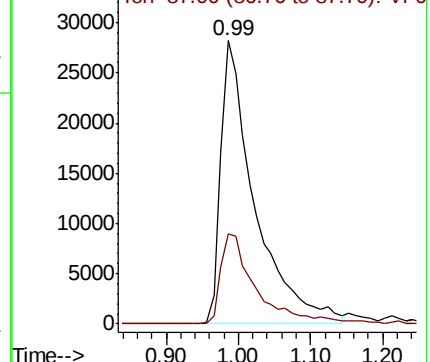
Ion Ratio Lower Upper

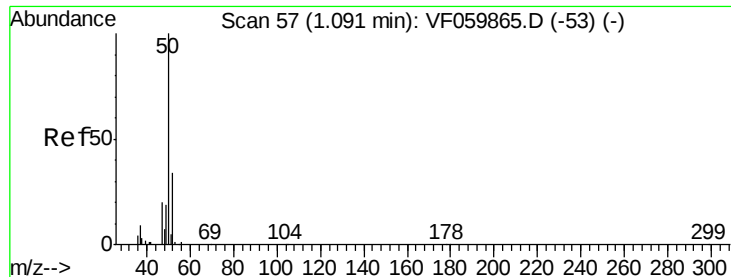
85 100

87 31.9 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 53.88 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

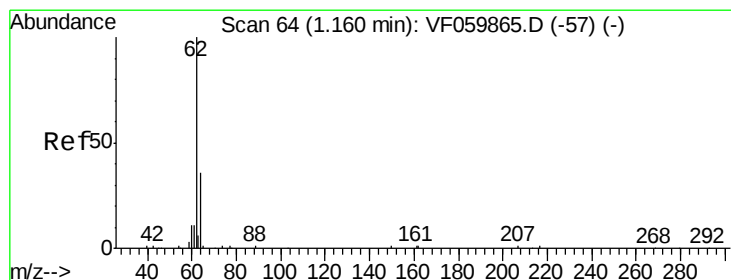
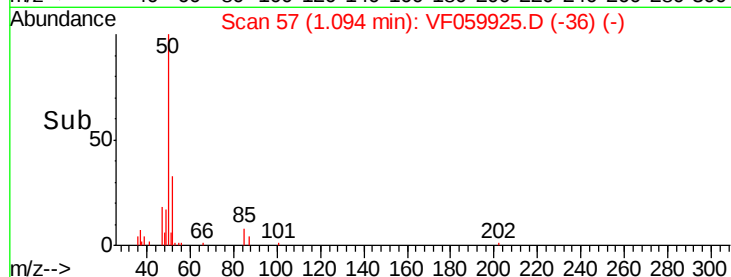
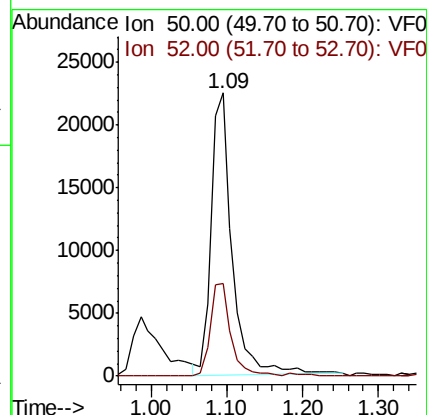
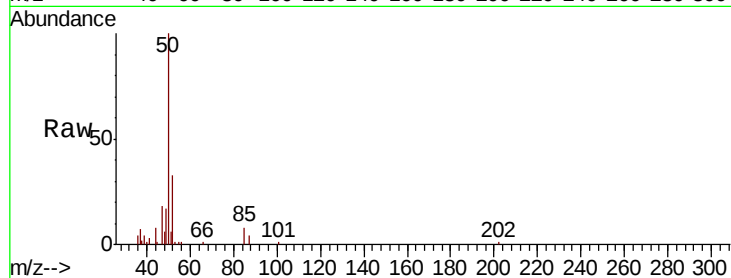
VSTDCCC050

Tot Ion: 50 Resp: 43679

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.8



#4

Vinyl Chloride

Concen: 53.75 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059925.D

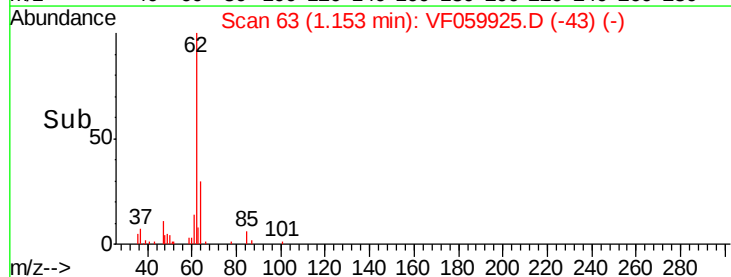
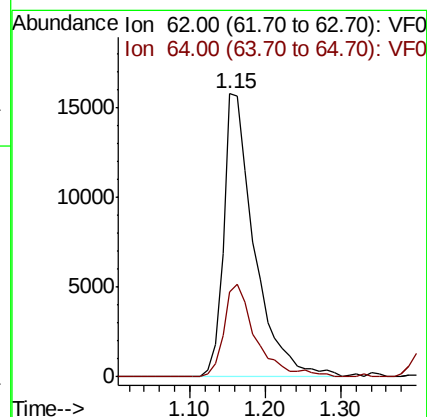
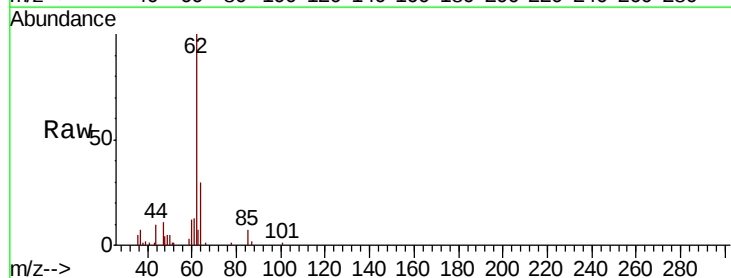
Acq: 8 Aug 2018 11:55

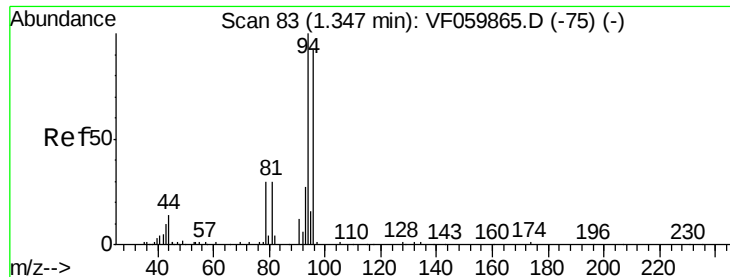
Tgt Ion: 62 Resp: 44643

Ion Ratio Lower Upper

62 100

64 29.8 28.5 42.7





#5

Bromomethane

Concen: 51.56 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

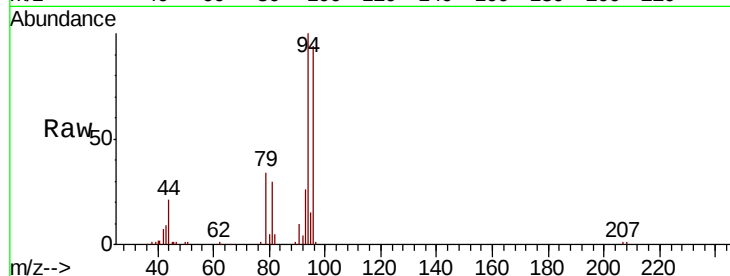
VSTDCCC050

Tot Ion: 94 Resp: 40422

Ion Ratio Lower Upper

94 100

96 93.8 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

25000

20000

15000

10000

5000

0

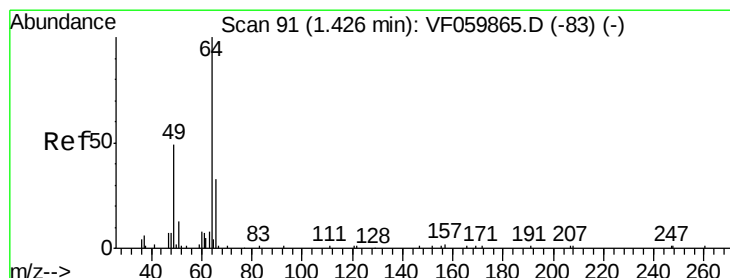
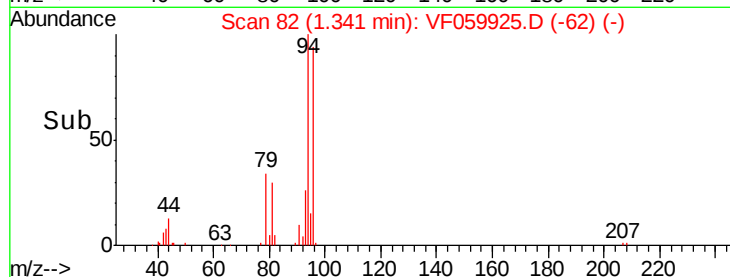
1.20

1.30

1.40

1.50

Time-->



#6

Chloroethane

Concen: 57.74 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059925.D

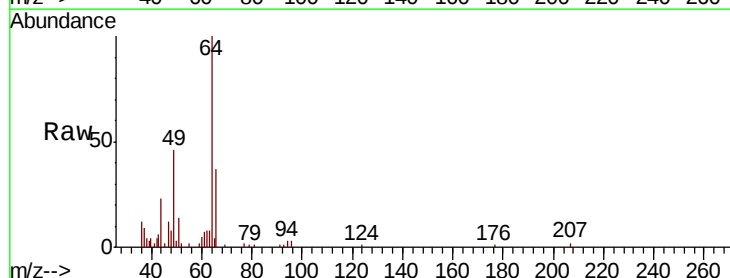
Acq: 8 Aug 2018 11:55

Tgt Ion: 64 Resp: 30122

Ion Ratio Lower Upper

64 100

66 37.4 26.9 40.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

10000

5000

0

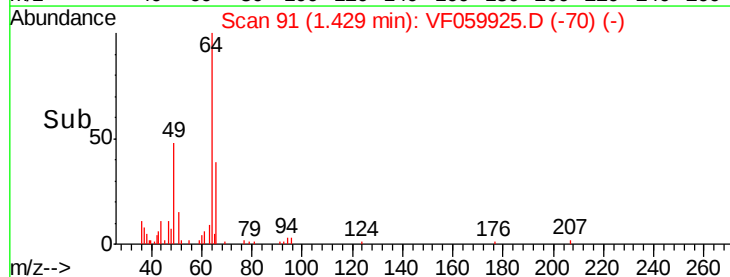
1.30

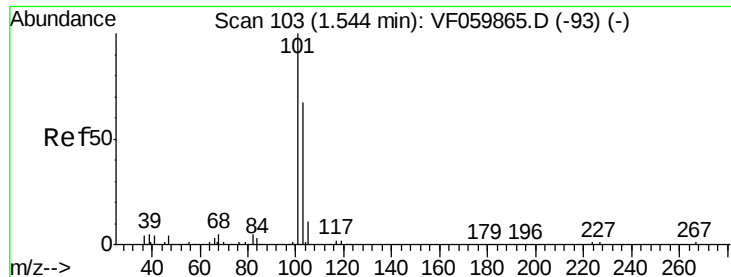
1.40

1.50

1.60

Time-->



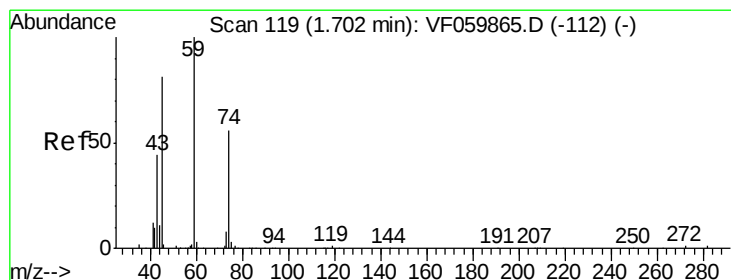
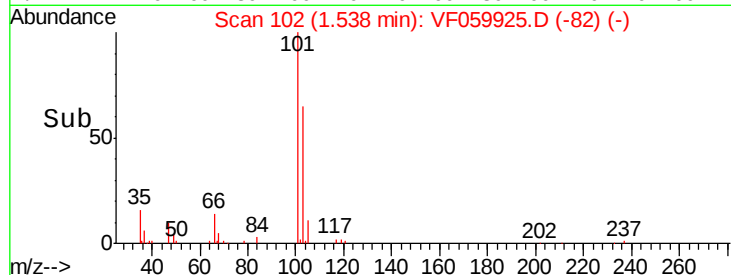
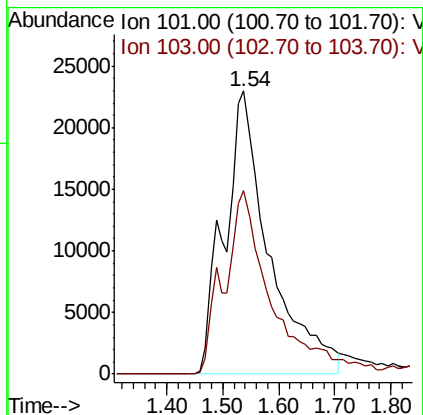
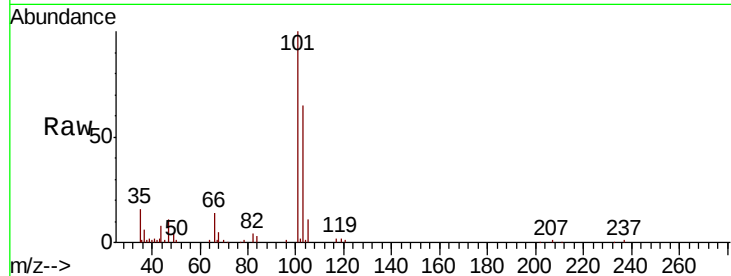


#7

Trichlorofluoromethane
 Concen: 56.48 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

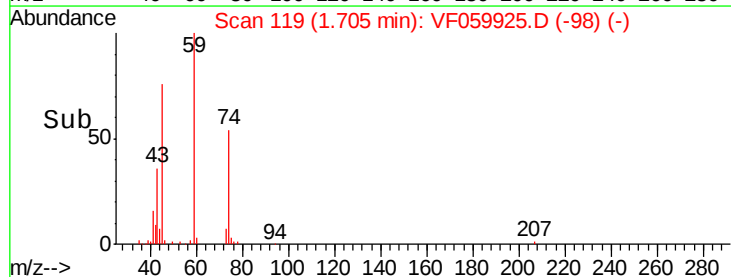
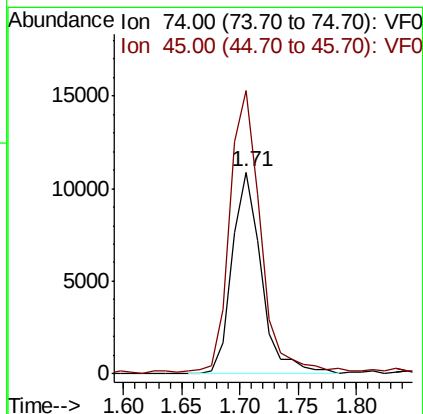
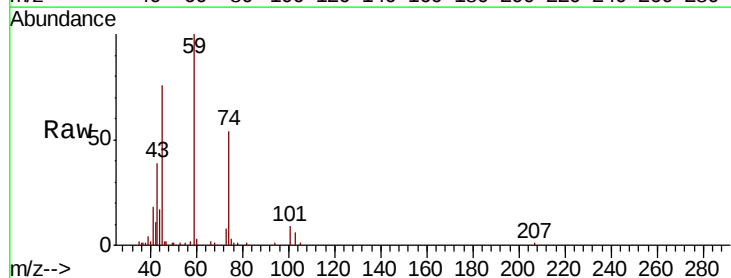
Tot Ion:101 Resp: 128387
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.6 80.4

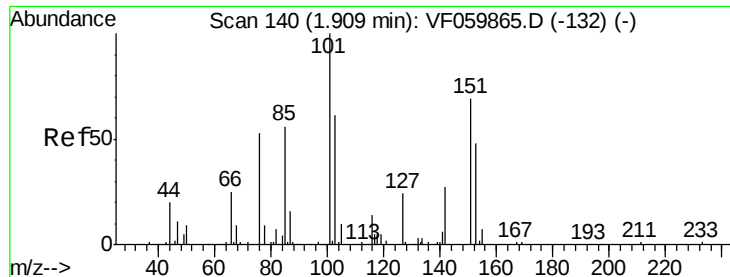


#8

Diethyl Ether
 Concen: 52.63 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 74 Resp: 18986
 Ion Ratio Lower Upper
 74 100
 45 140.1 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.60 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

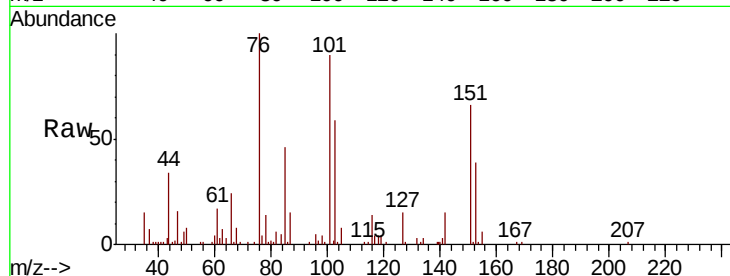
Tot Ion:101 Resp: 60961

Ion Ratio Lower Upper

101 100

85 51.6 44.5 66.7

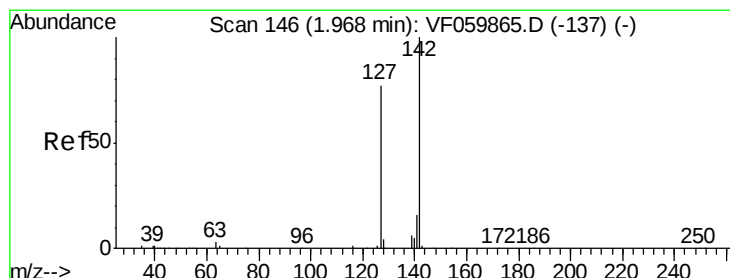
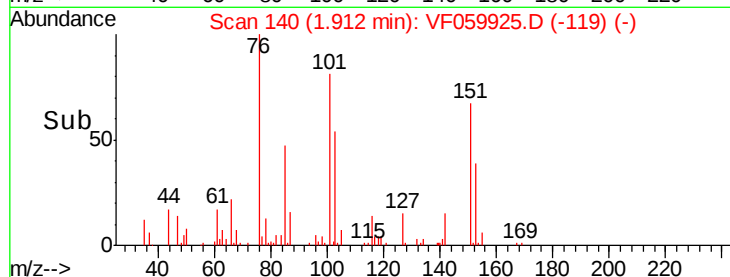
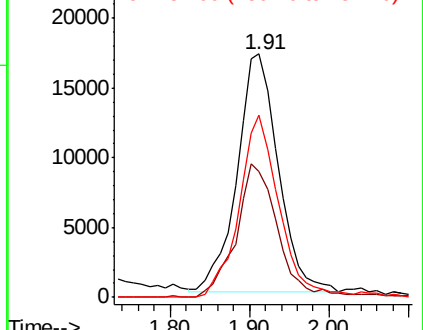
151 74.9 53.8 80.8



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: 54.00 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

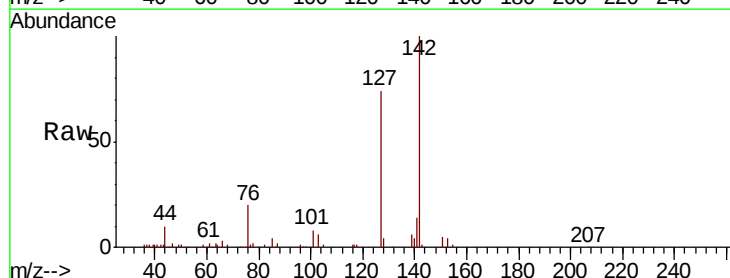
Tgt Ion:142 Resp: 104061

Ion Ratio Lower Upper

142 100

127 73.5 61.5 92.3

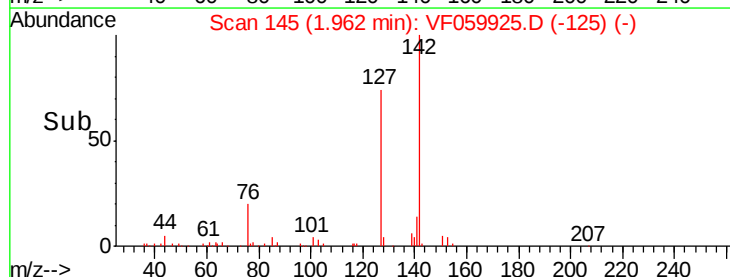
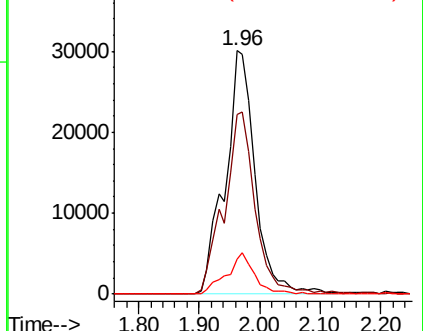
141 14.5 13.0 19.4

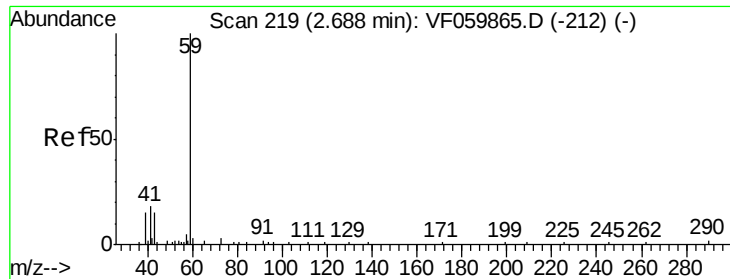


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

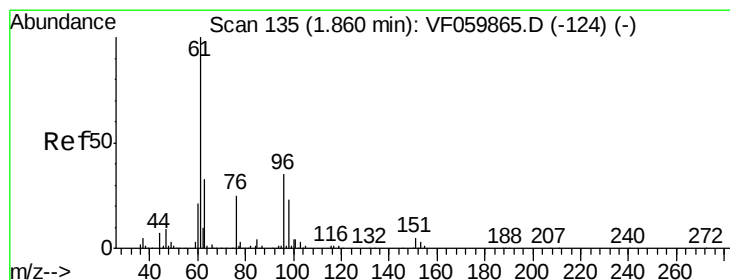
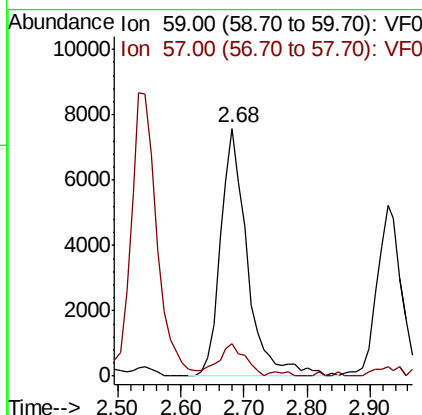
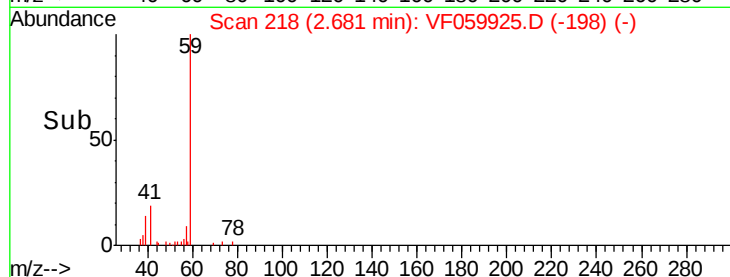
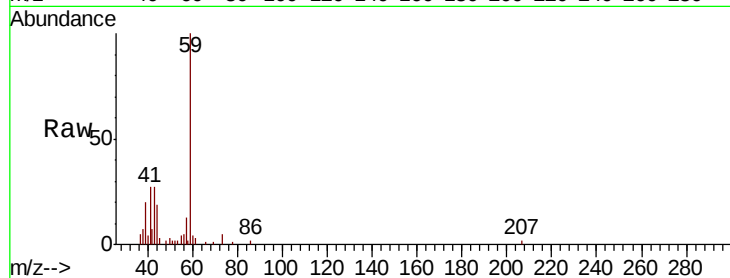




#11
Tert butyl alcohol
Concen: 300.22 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

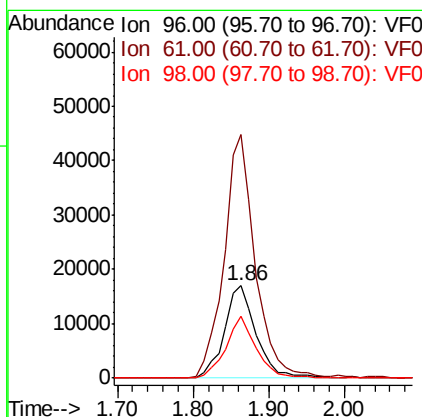
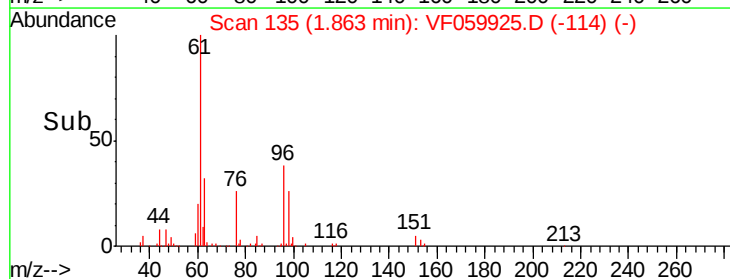
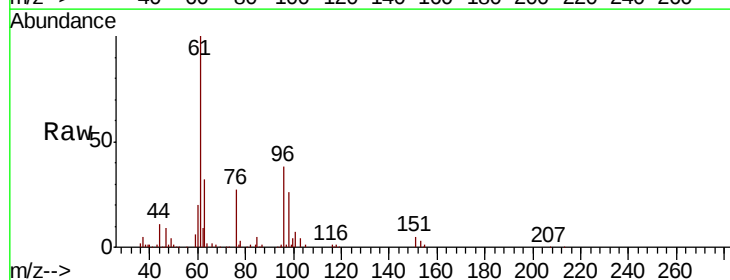
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

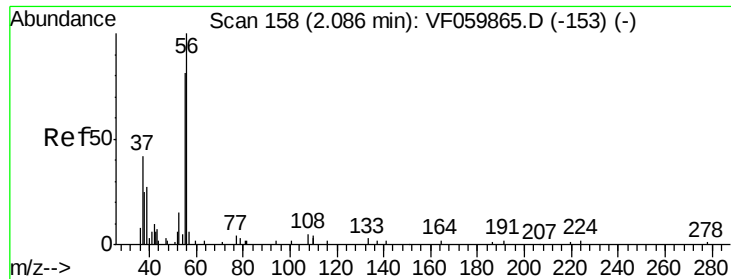
Tot Ion: 59 Resp: 22395
Ion Ratio Lower Upper
59 100
57 13.0 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 53.82 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion: 96 Resp: 49317
Ion Ratio Lower Upper
96 100
61 264.6 230.2 345.2
98 67.9 52.7 79.1

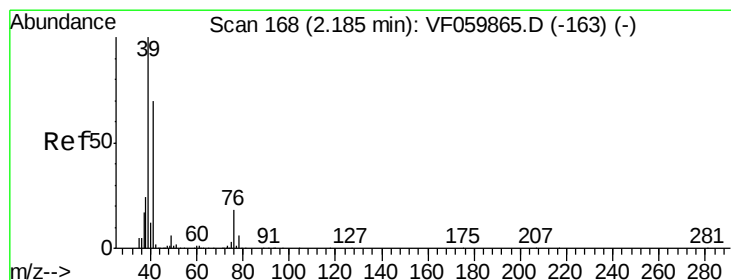
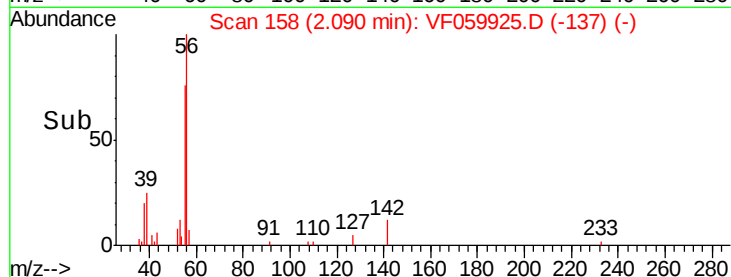
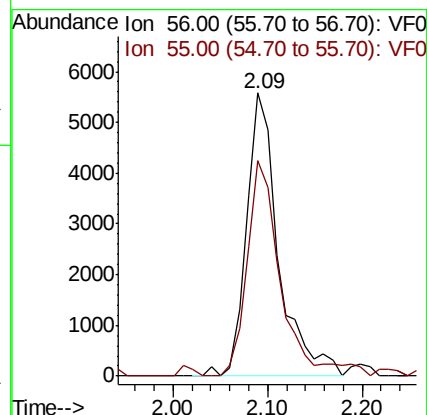
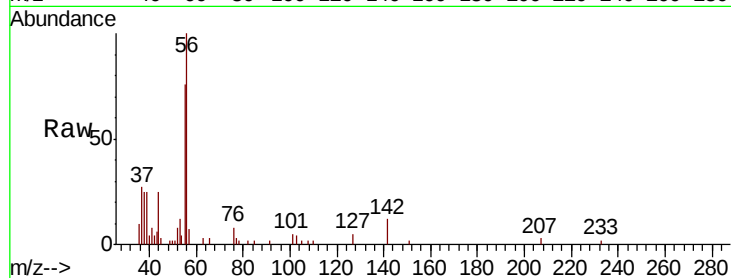




#13
Acrolein
Concen: 291.43 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

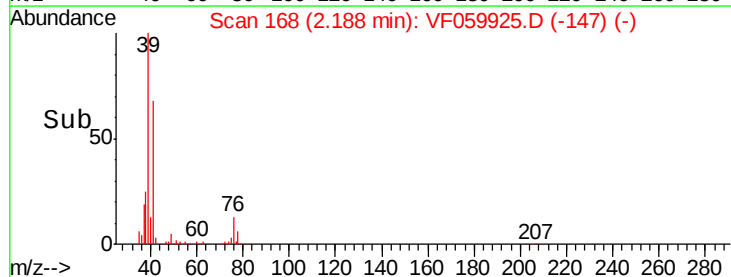
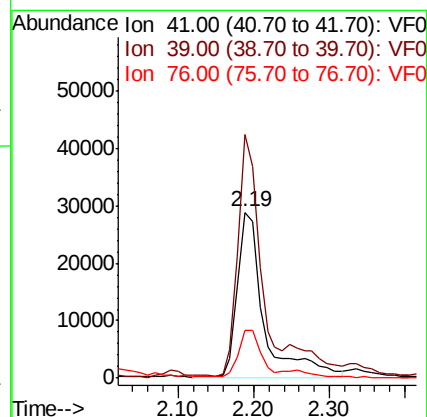
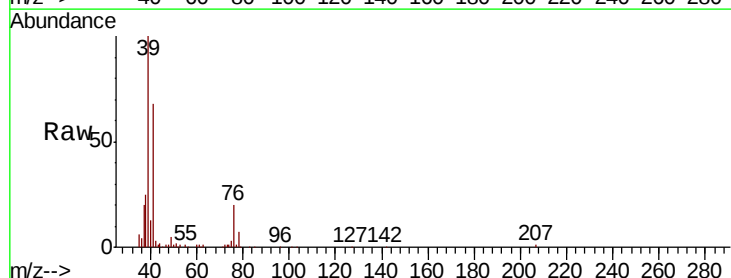
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

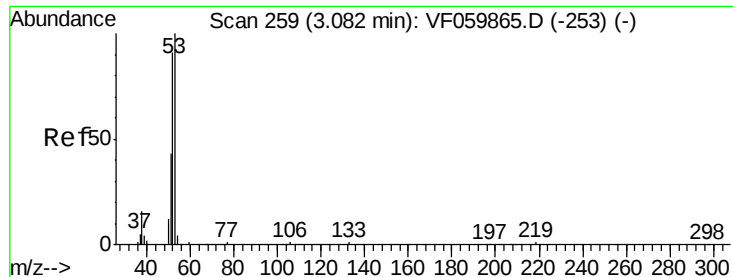
Tot Ion: 56 Resp: 13028
Ion Ratio Lower Upper
56 100
55 76.0 64.6 96.8



#14
Allyl chloride
Concen: 45.49 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion: 41 Resp: 69491
Ion Ratio Lower Upper
41 100
39 146.8 114.6 171.8
76 29.0 21.0 31.4





#15

Acrylonitrile

Concen: 252.26 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

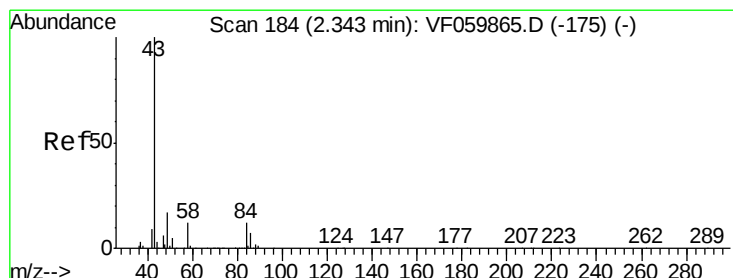
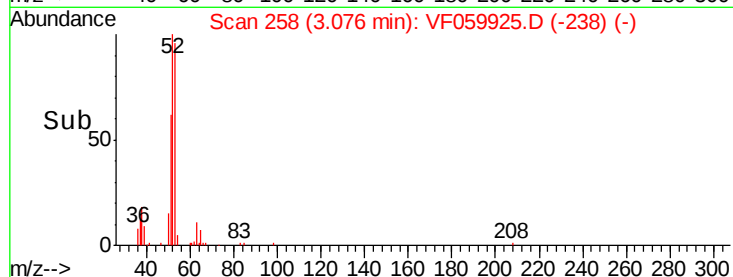
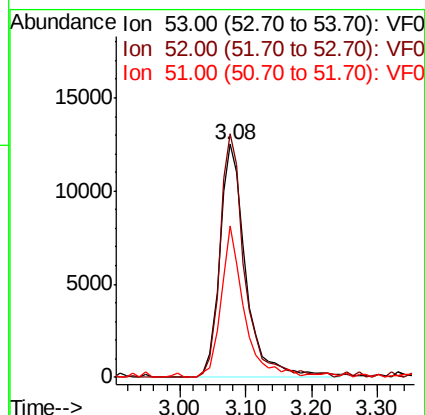
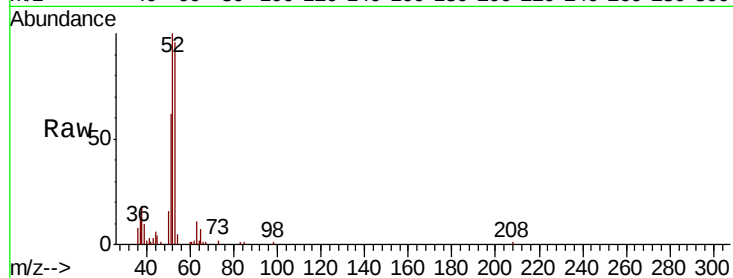
Tot Ion: 53 Resp: 34482

Ion Ratio Lower Upper

53 100

52 104.5 72.9 109.3

51 65.3 34.5 51.7#



#16

Acetone

Concen: 249.22 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059925.D

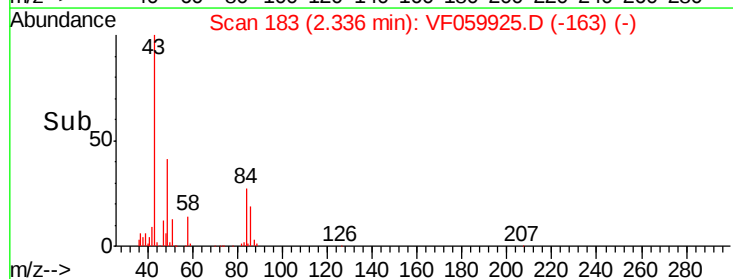
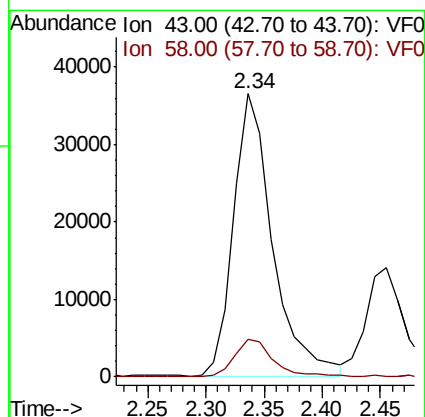
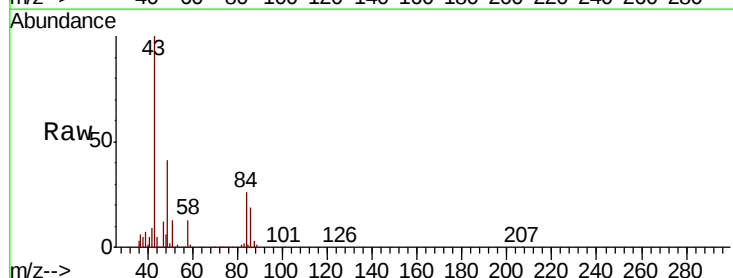
Acq: 8 Aug 2018 11:55

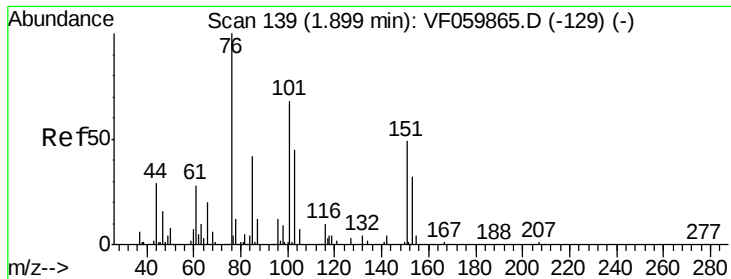
Tgt Ion: 43 Resp: 85083

Ion Ratio Lower Upper

43 100

58 13.4 9.4 14.0

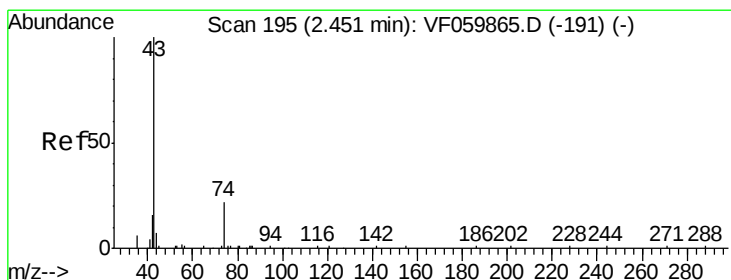
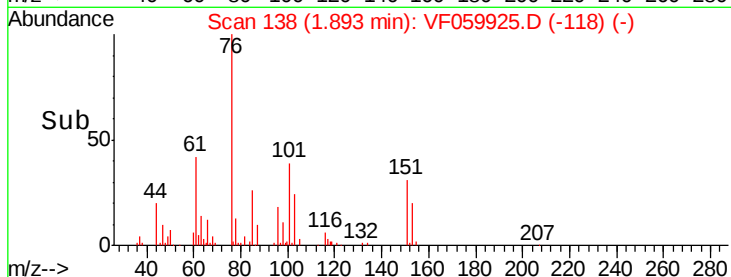
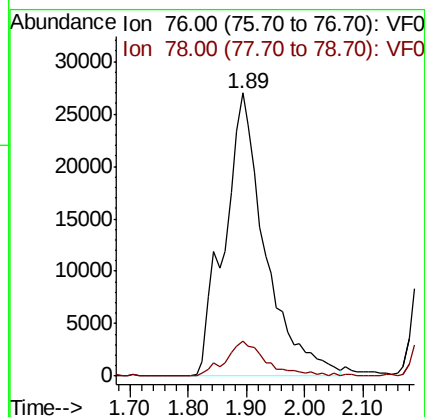
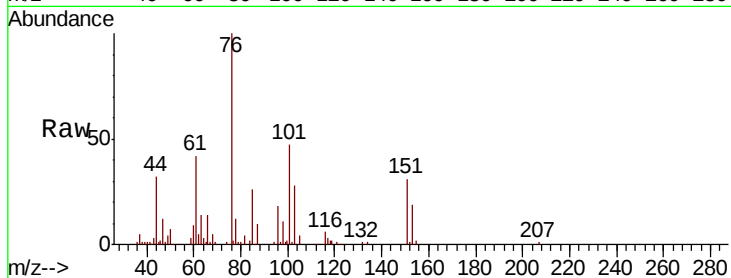




#17
Carbon Disulfide
Concen: 53.96 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

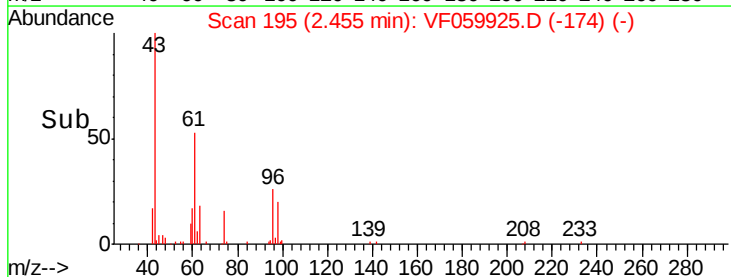
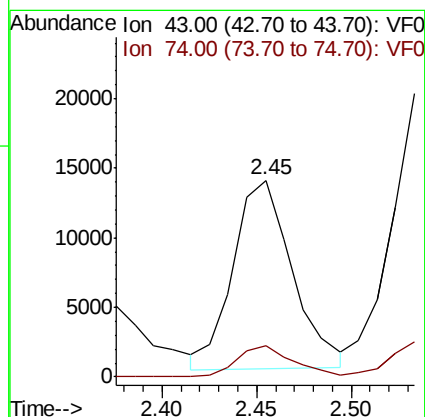
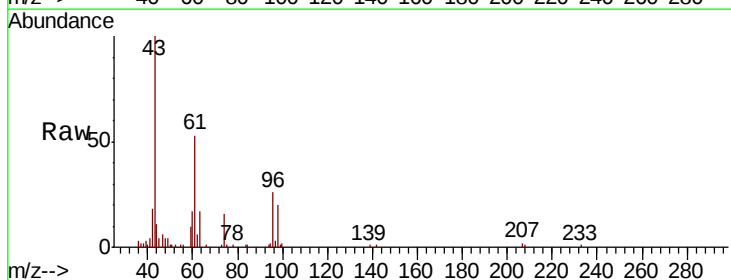
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

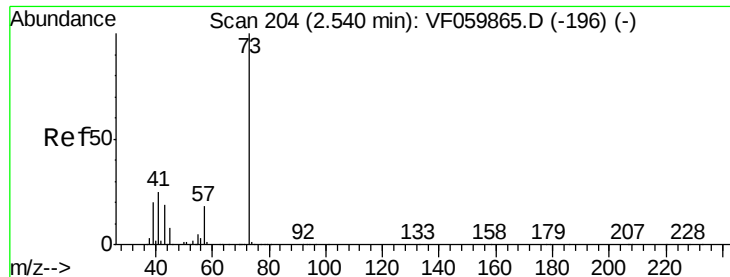
Tot Ion: 76 Resp: 131991
Ion Ratio Lower Upper
76 100
78 12.5 9.3 13.9



#18
Methyl Acetate
Concen: 51.62 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion: 43 Resp: 29727
Ion Ratio Lower Upper
43 100
74 16.0 16.3 24.5#



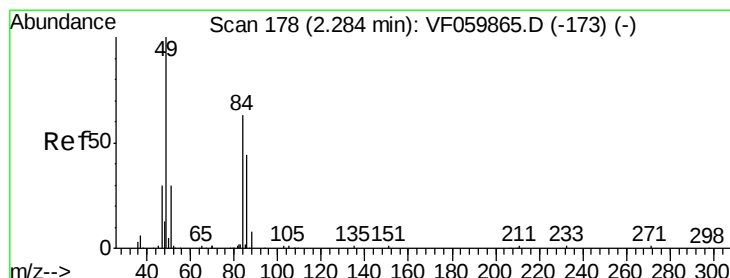
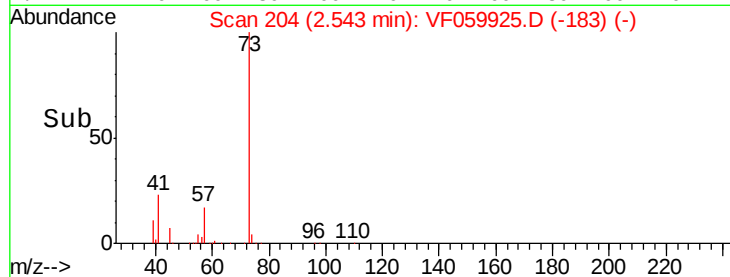
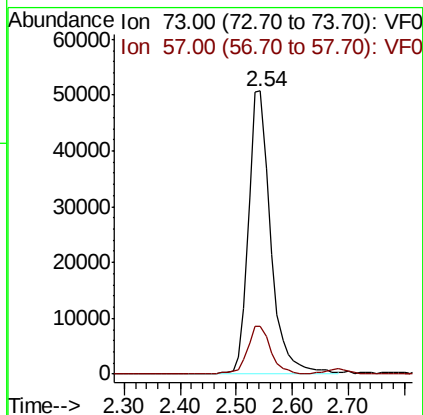
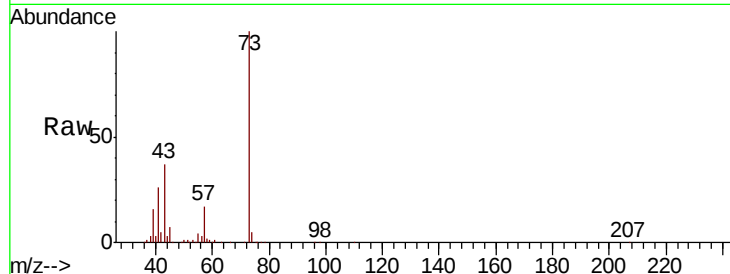


#19

Methyl tert-butyl Ether
 Concen: 54.02 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

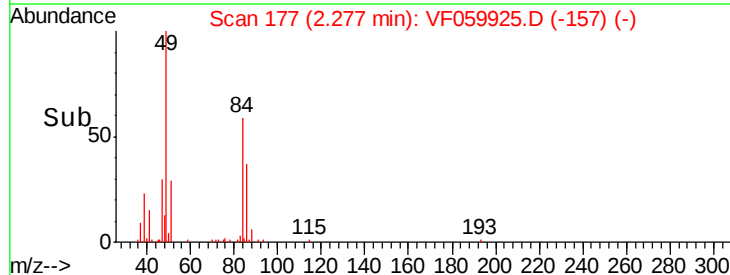
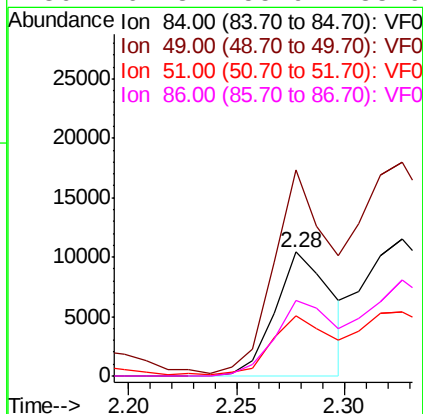
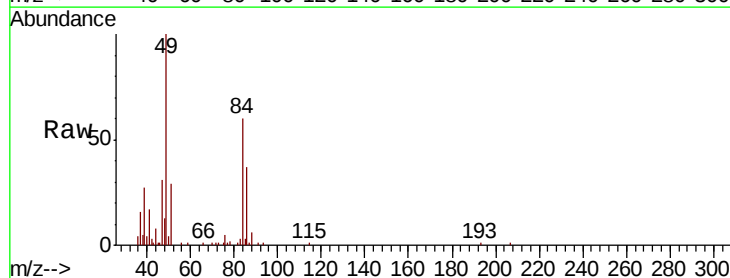
Tot Ion: 73 Resp: 140127
 Ion Ratio Lower Upper
 73 100
 57 17.0 14.3 21.5

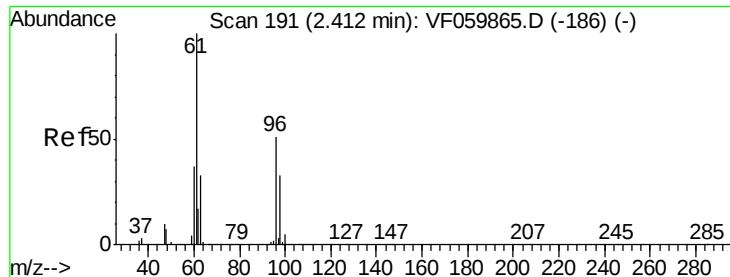


#20

Methylene Chloride
 Concen: 18.73 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 84 Resp: 19105
 Ion Ratio Lower Upper
 84 100
 49 166.8 128.7 193.1
 51 48.7 39.3 58.9
 86 61.3 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 52.53 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

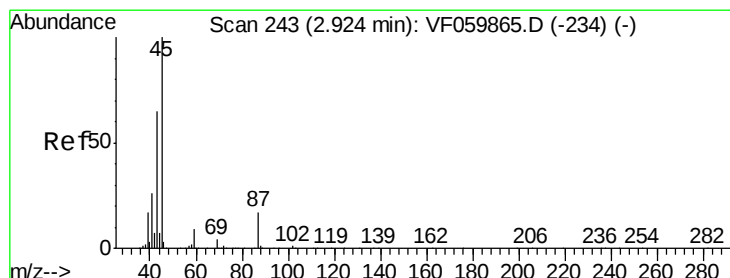
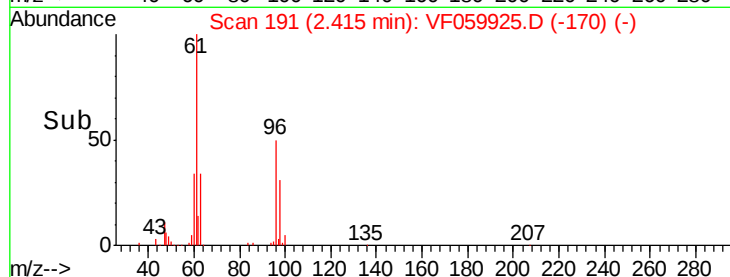
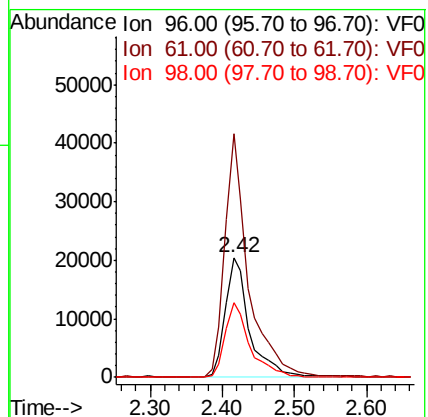
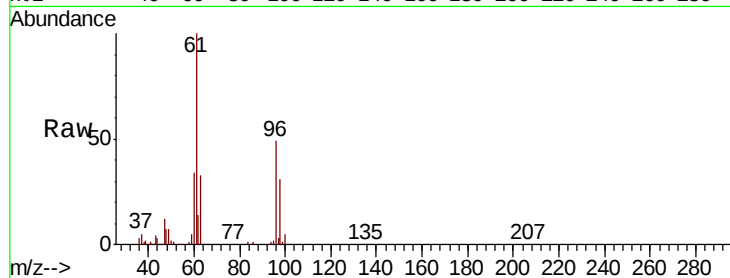
Tot Ion: 96 Resp: 47814

Ion Ratio Lower Upper

96 100

61 203.0 158.2 237.4

98 62.2 52.0 78.0



#22

Diisopropyl ether

Concen: 51.84 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion: 45 Resp: 152349

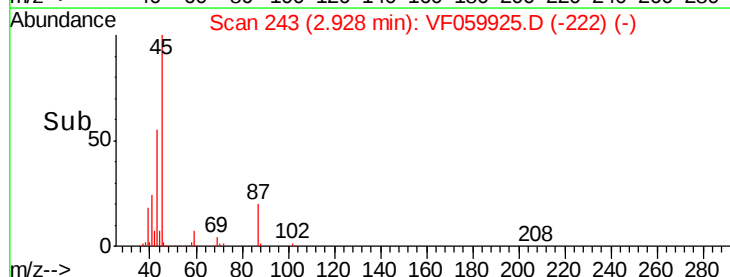
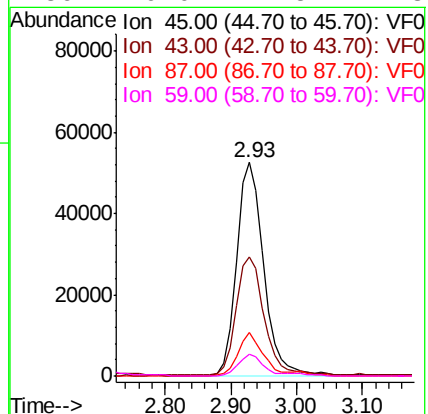
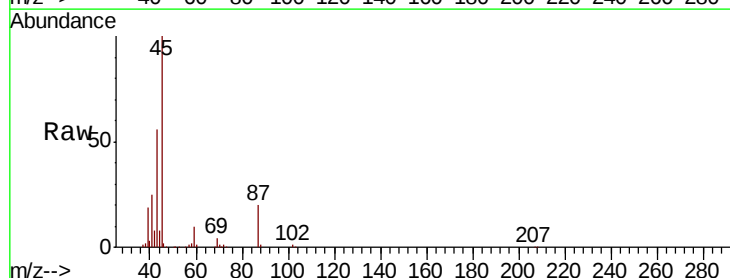
Ion Ratio Lower Upper

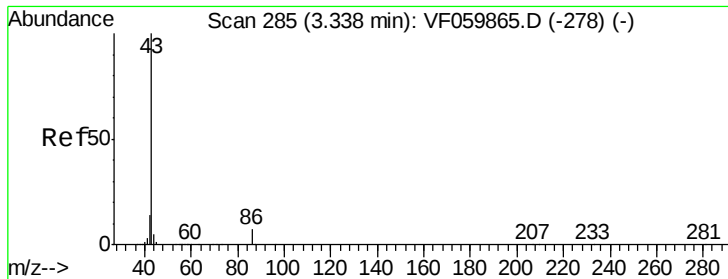
45 100

43 56.0 52.1 78.1

87 20.4 13.8 20.8

59 10.0 7.5 11.3

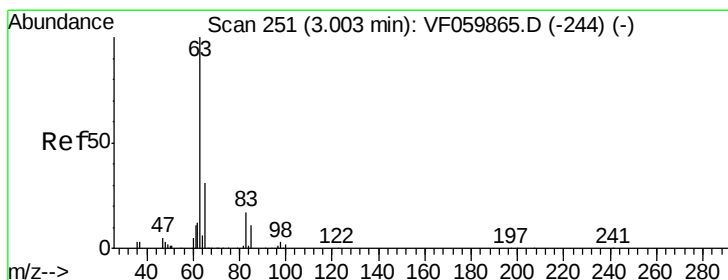
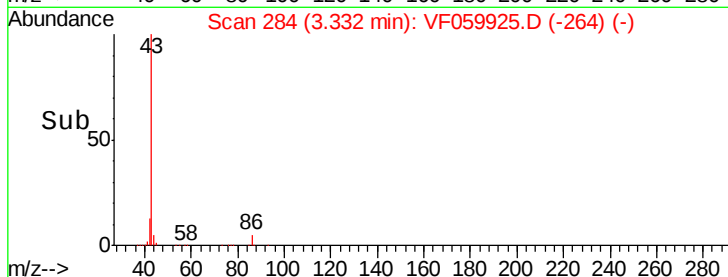
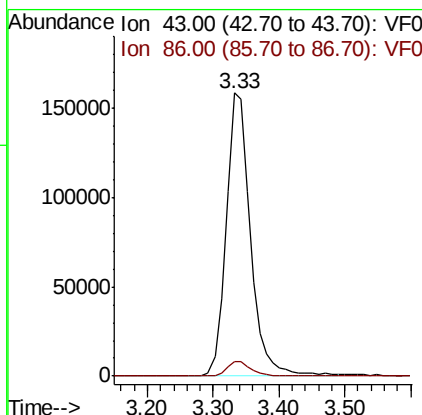
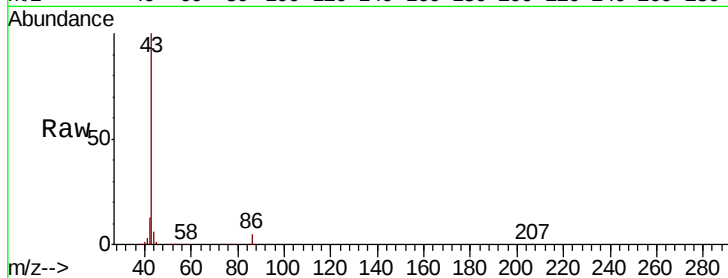




#23
 Vinyl Acetate
 Concen: 287.58 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

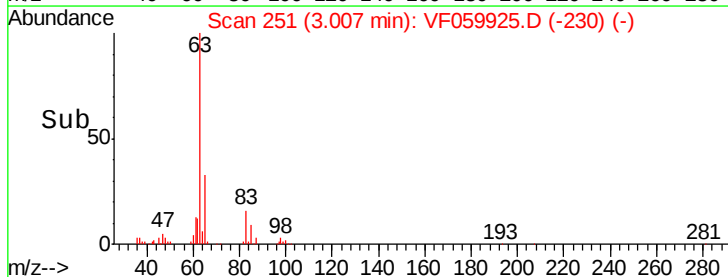
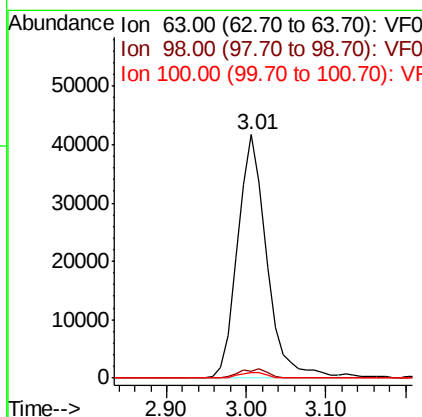
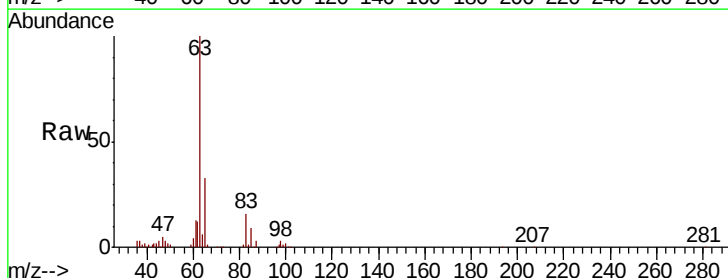
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

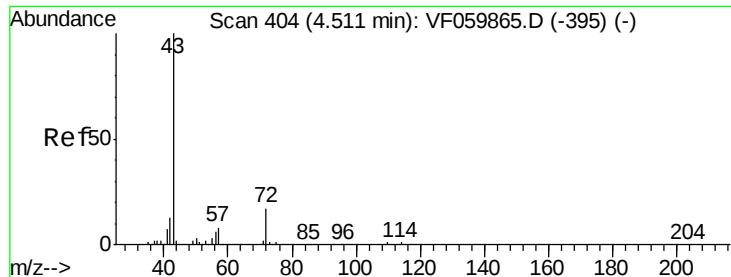
Tot Ion: 43 Resp: 409144
 Ion Ratio Lower Upper
 43 100
 86 5.2 5.6 8.4#



#24
 1,1-Dichloroethane
 Concen: 49.58 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 63 Resp: 106106
 Ion Ratio Lower Upper
 63 100
 98 2.9 1.9 5.7
 100 2.2 1.1 3.5





#25

2-Butanone

Concen: 275.50 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

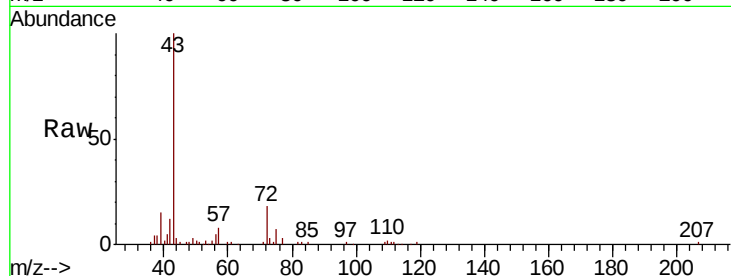
VSTDCCC050

Tot Ion: 43 Resp: 102272

Ion Ratio Lower Upper

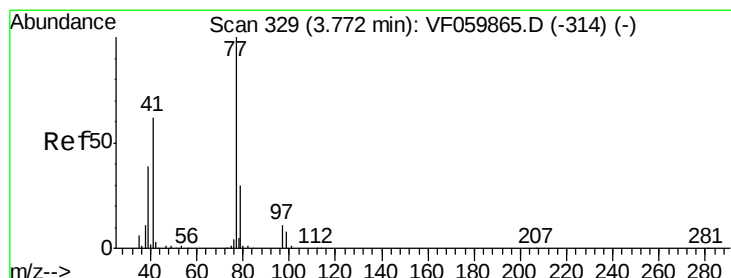
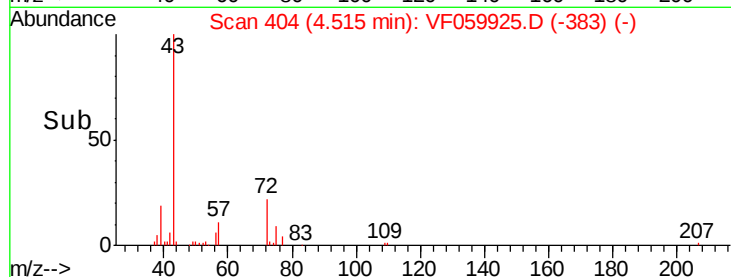
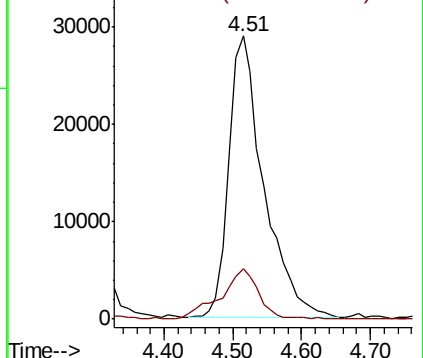
43 100

72 17.8 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 43.05 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059925.D

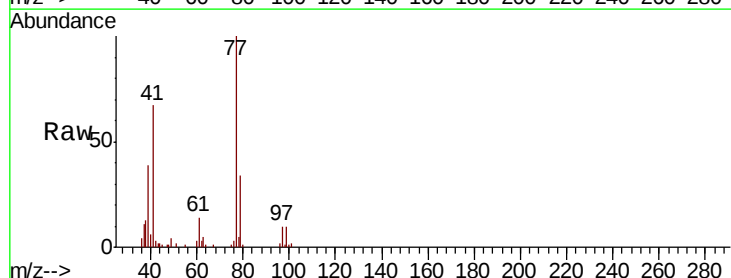
Acq: 8 Aug 2018 11:55

Tgt Ion: 77 Resp: 53642

Ion Ratio Lower Upper

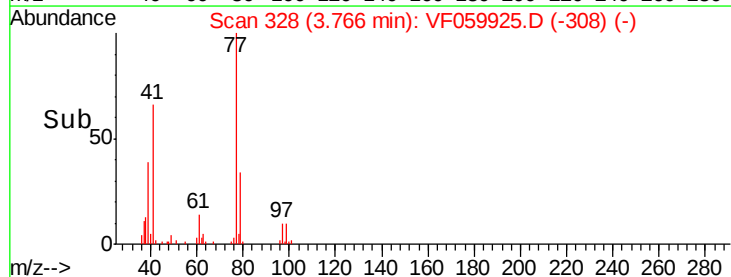
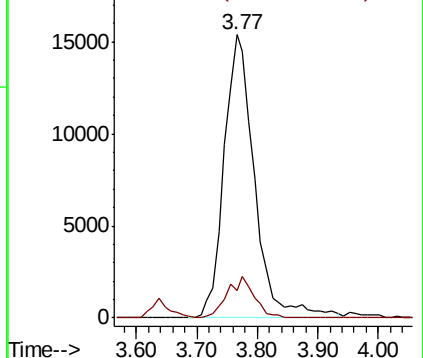
77 100

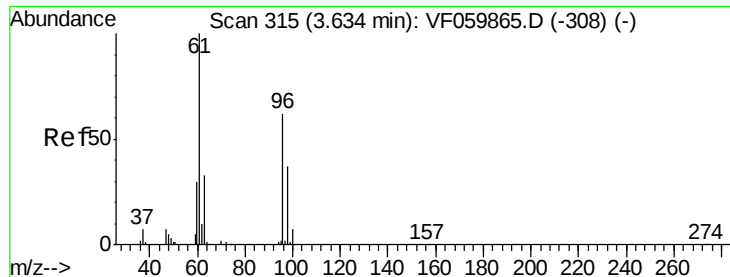
97 9.7 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



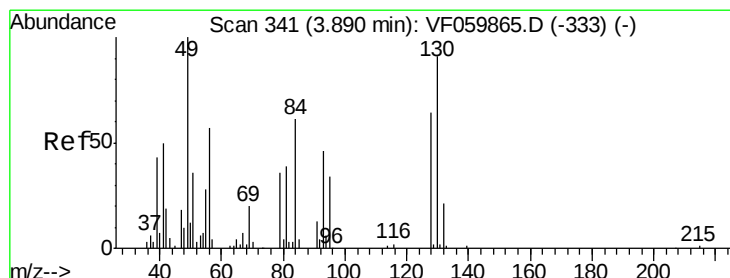
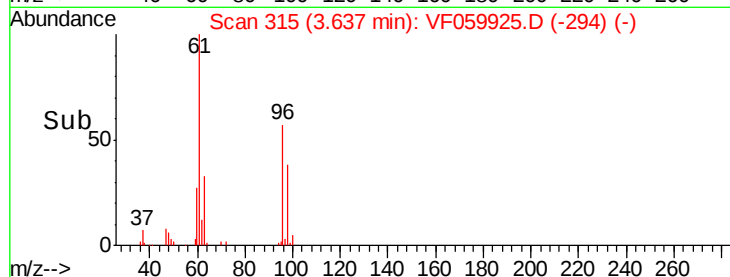
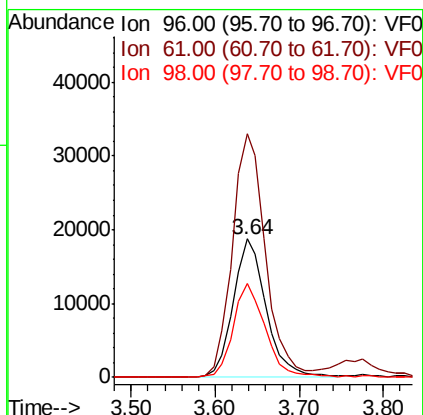
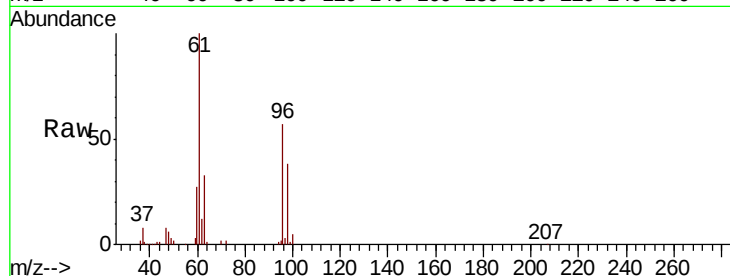


#27

cis-1,2-Dichloroethene
 Concen: 49.94 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

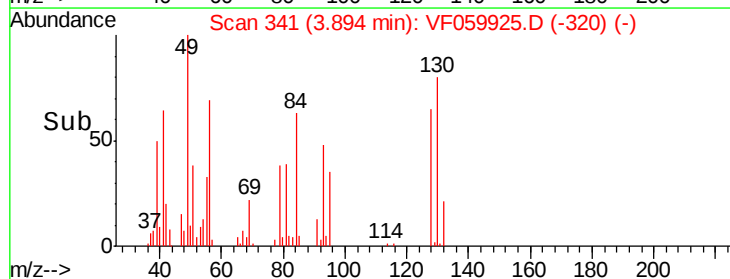
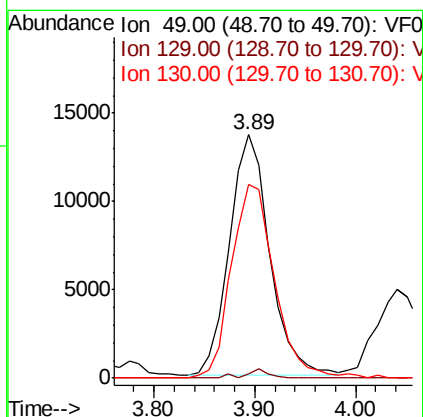
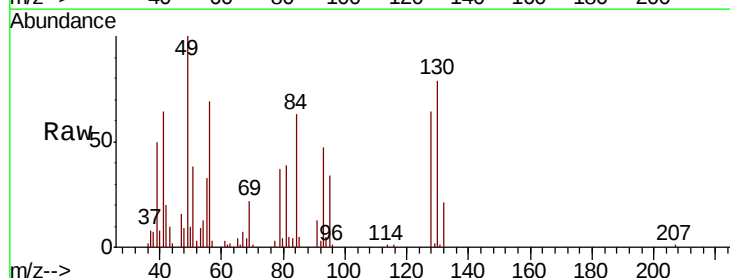
Tot Ion: 96 Resp: 51114
 Ion Ratio Lower Upper
 96 100
 61 175.9 0.0 320.8
 98 67.7 0.0 117.6

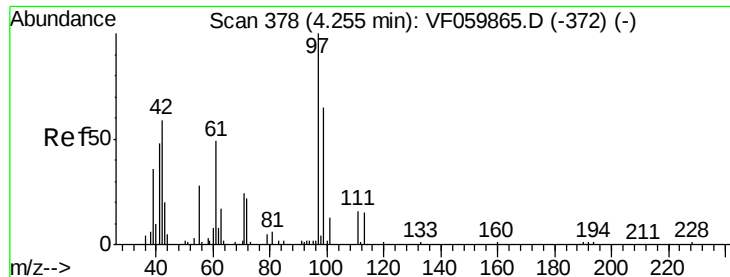


#28

Bromochloromethane
 Concen: 50.46 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 49 Resp: 38138
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.6
 130 79.4 73.8 110.8





#29

Tetrahydrofuran

Concen: 287.42 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

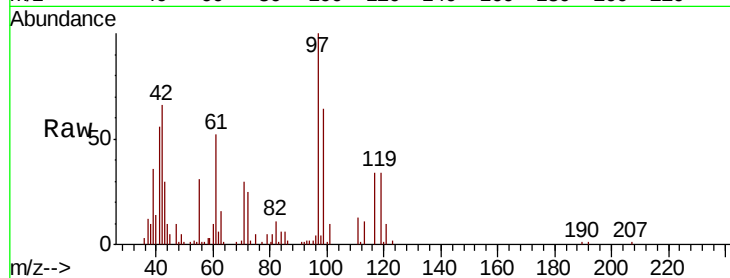
Tot Ion: 42 Resp: 39279

Ion Ratio Lower Upper

42 100

72 36.9 29.3 43.9

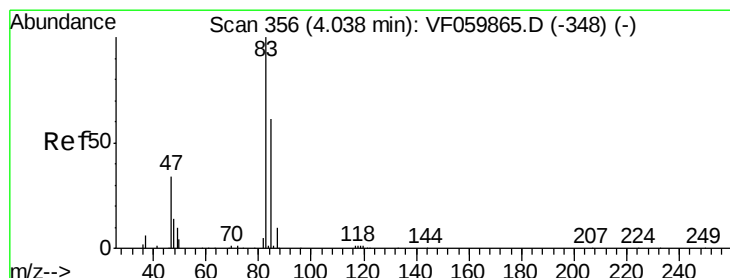
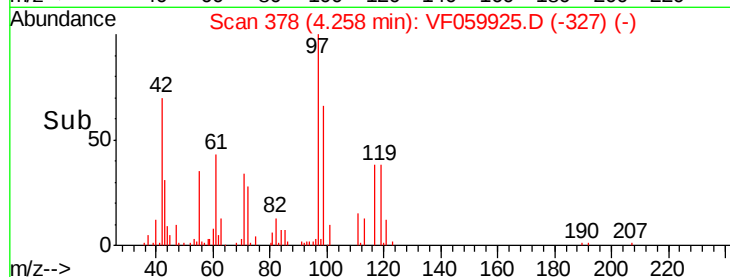
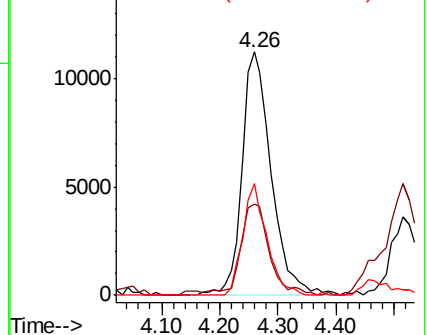
71 37.5 30.0 45.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 50.34 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF059925.D

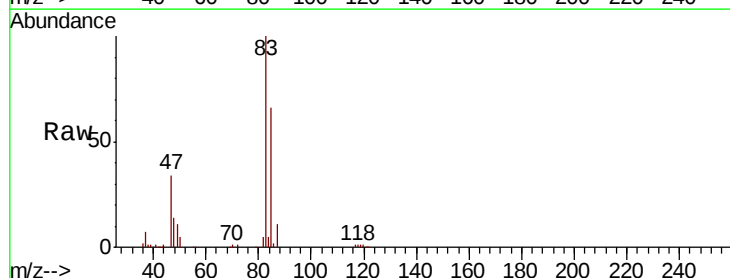
Acq: 8 Aug 2018 11:55

Tgt Ion: 83 Resp: 145749

Ion Ratio Lower Upper

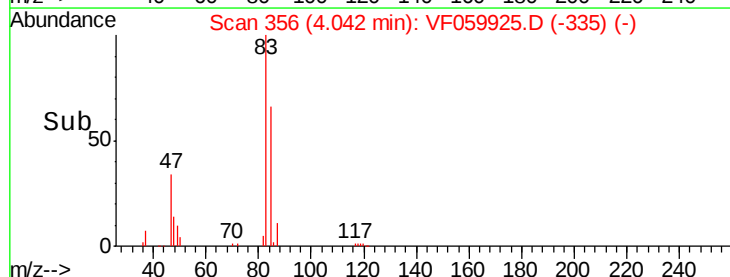
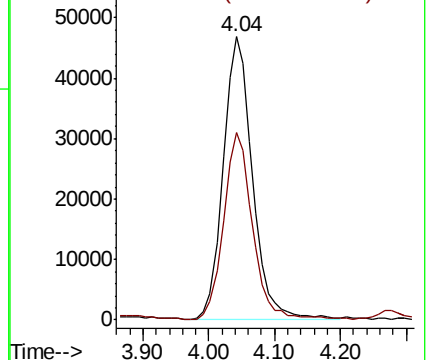
83 100

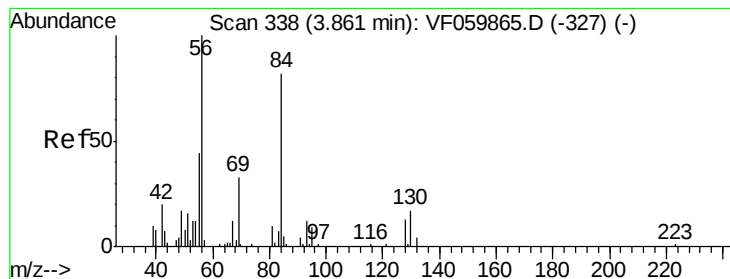
85 66.3 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 55.67 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

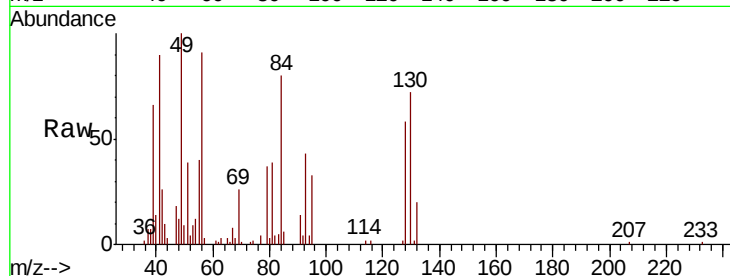
Tot Ion: 56 Resp: 58972

Ion Ratio Lower Upper

56 100

69 28.1 26.7 40.1

84 87.2 65.9 98.9

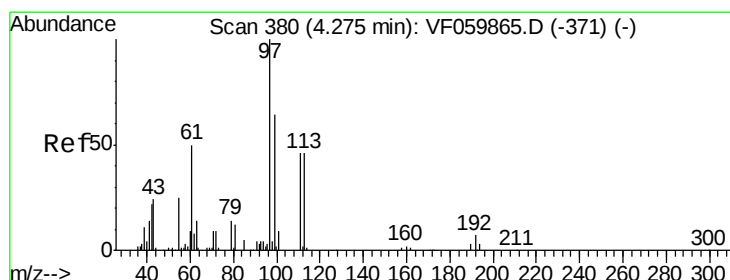
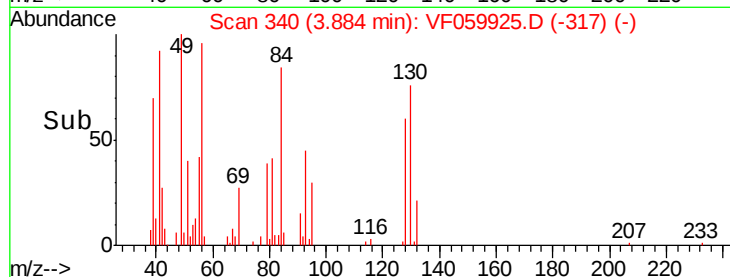
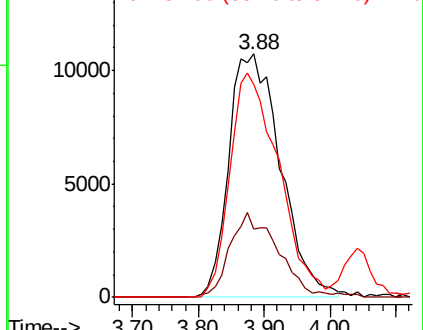


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 50.58 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

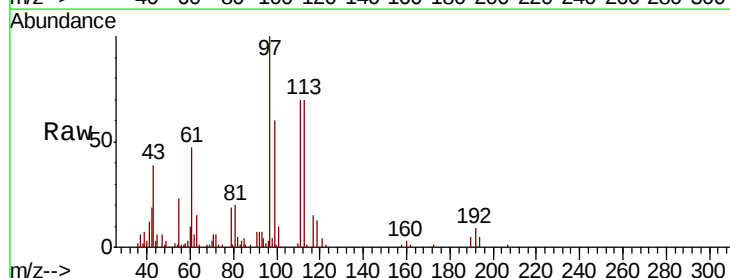
Tgt Ion: 97 Resp: 117164

Ion Ratio Lower Upper

97 100

99 60.2 51.4 77.2

61 47.0 40.8 61.2

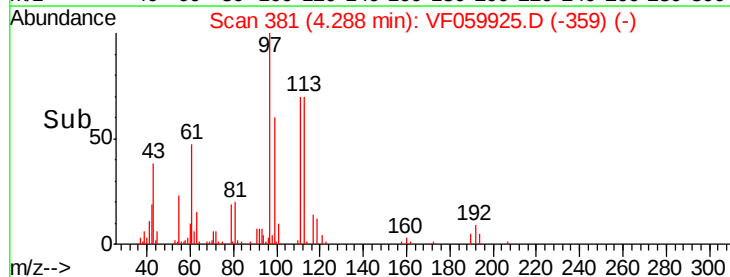
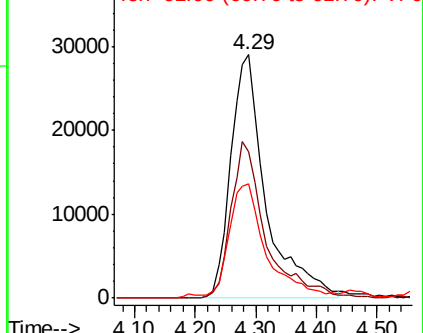


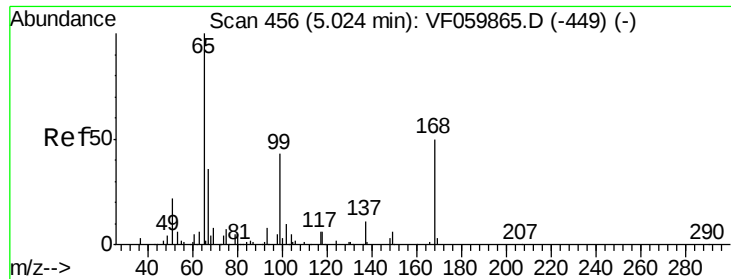
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

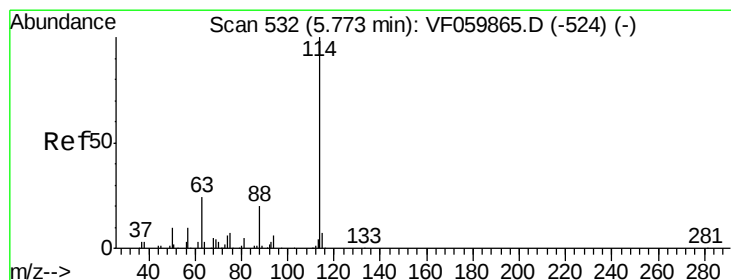
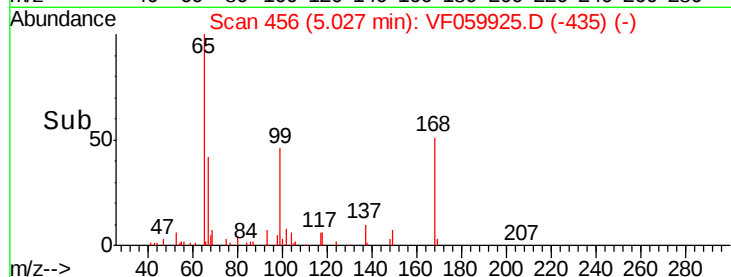
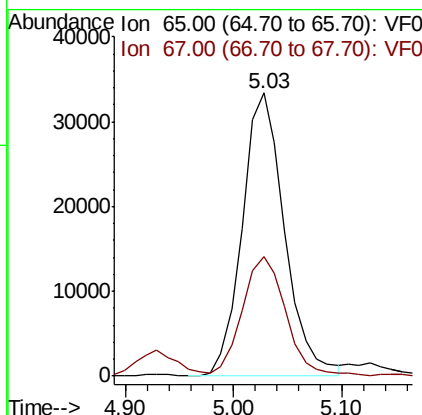
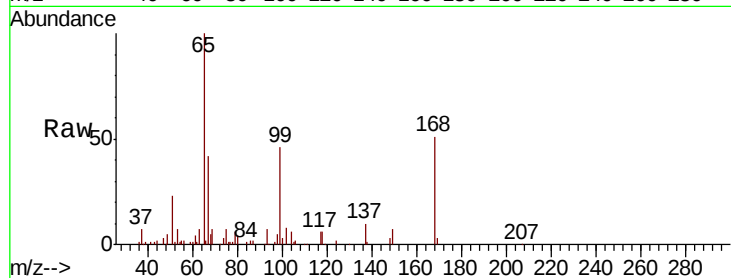




#33
 1,2-Dichloroethane-d4
 Concen: 49.31 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

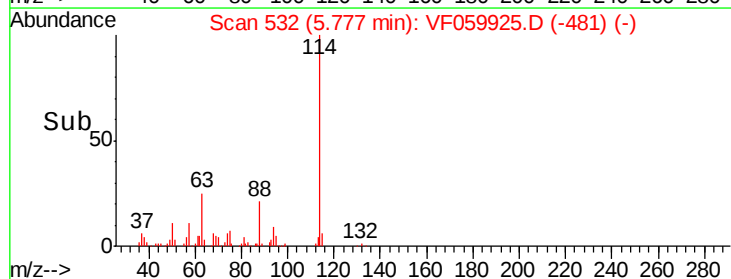
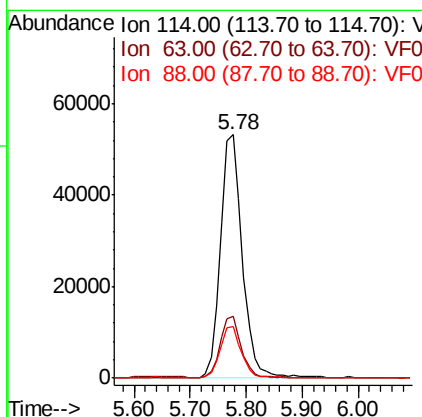
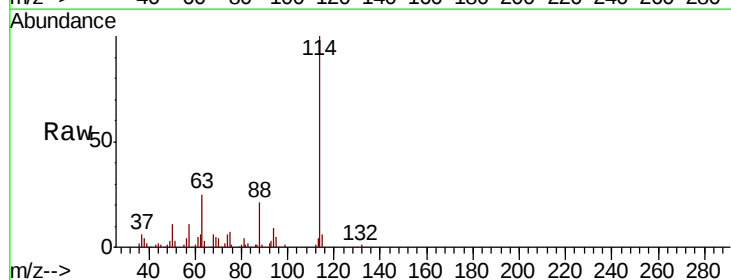
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

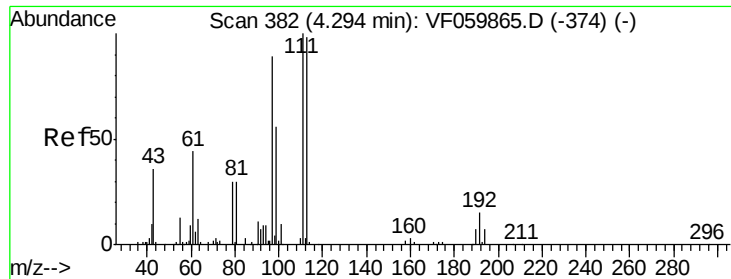
Tot Ion: 65 Resp: 91189
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 114 Resp: 145306
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 48.0
 88 21.2 0.0 39.4

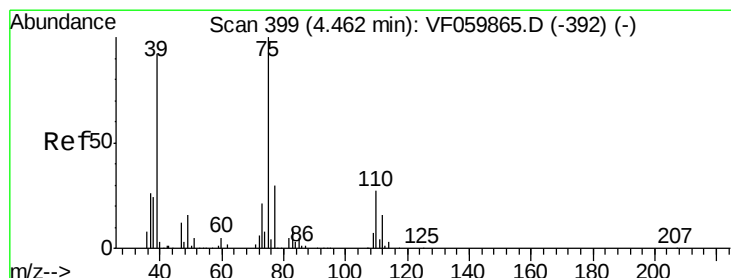
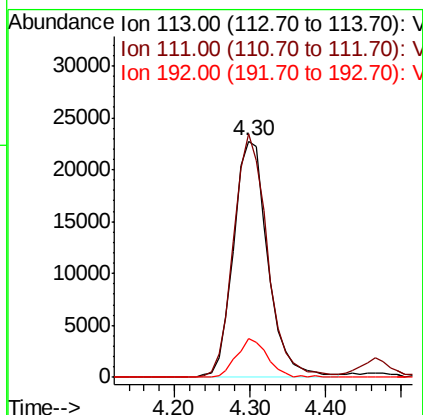
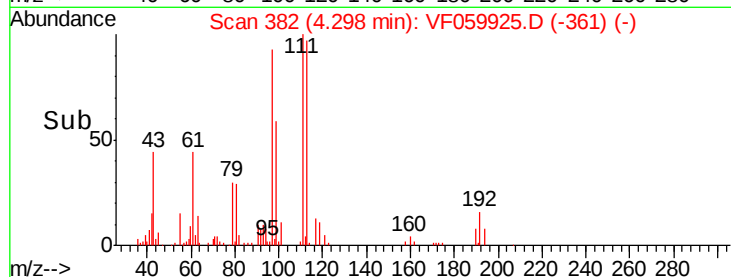
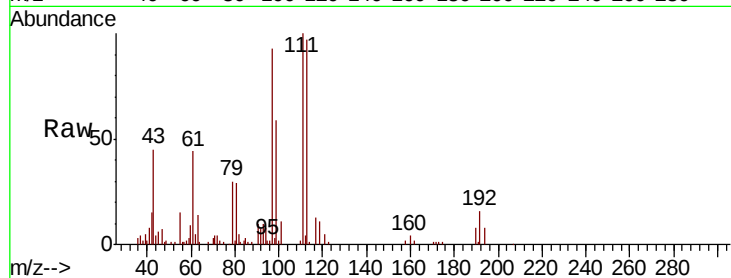




#35
 Dibromofluoromethane
 Concen: 49.51 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

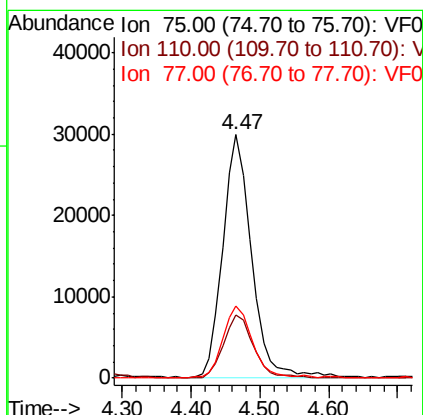
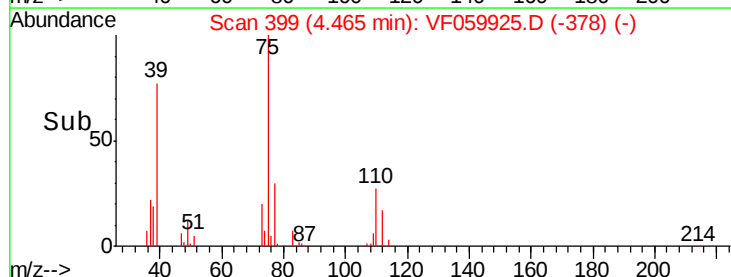
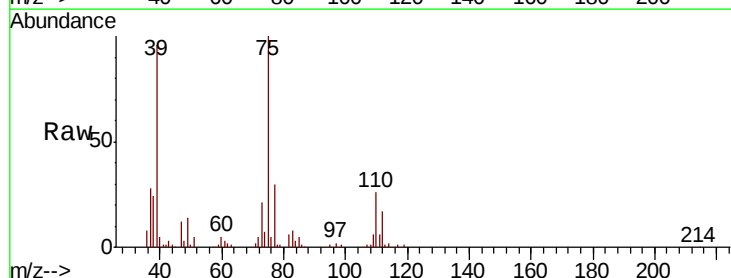
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

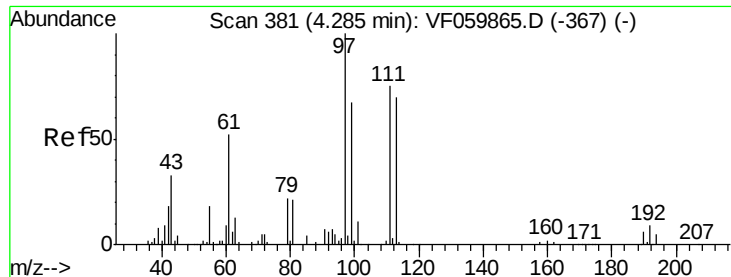
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	16.4	12.4	18.6



#36
 1,1-Dichloropropene
 Concen: 51.84 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.9	13.6	40.7
77	29.6	23.7	35.5

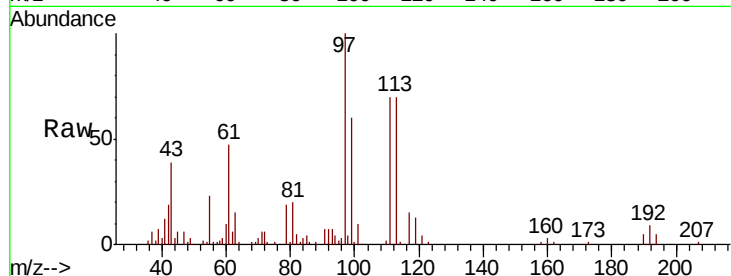




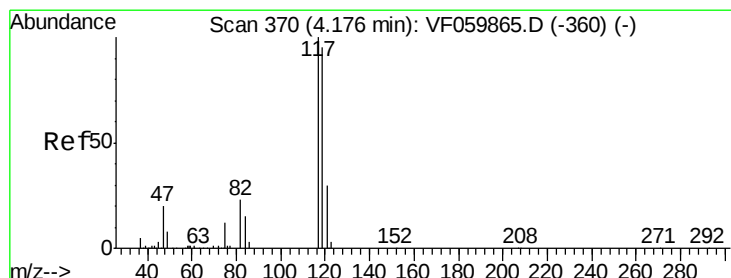
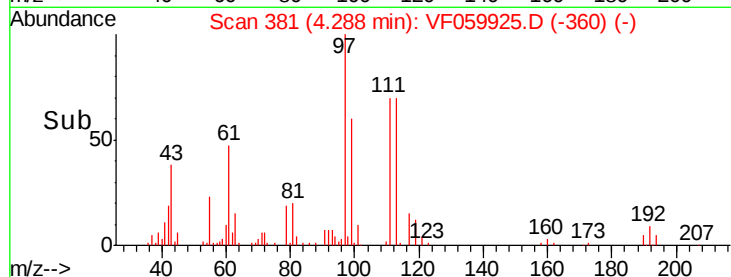
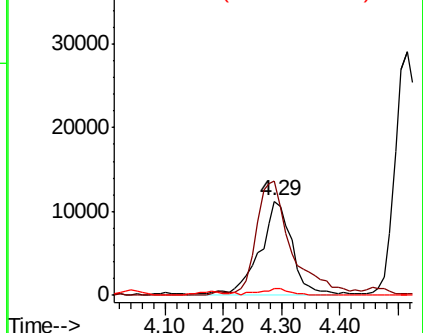
#37
Ethyl Acetate
Concen: 60.64 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 43759
Ion Ratio Lower Upper
43 100
61 121.2 123.7 185.5#
70 7.7 7.8 11.8#

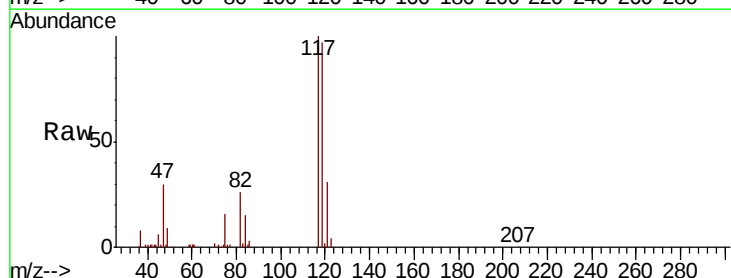


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

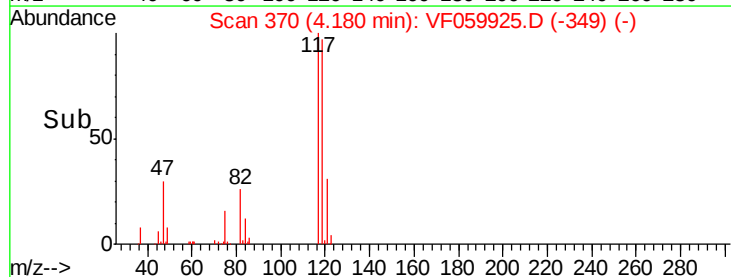
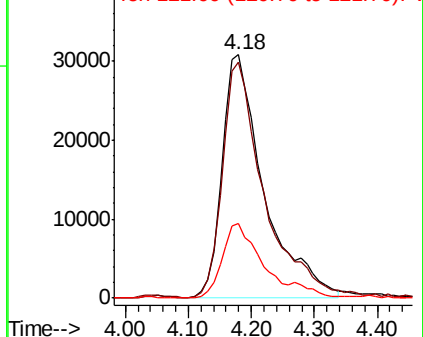


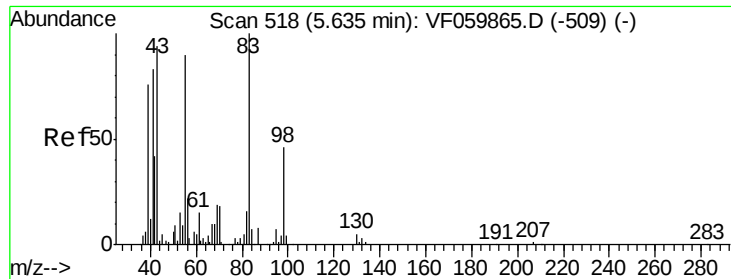
#38
Carbon Tetrachloride
Concen: 59.21 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion: 117 Resp: 142455
Ion Ratio Lower Upper
117 100
119 97.1 76.5 114.7
121 30.6 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

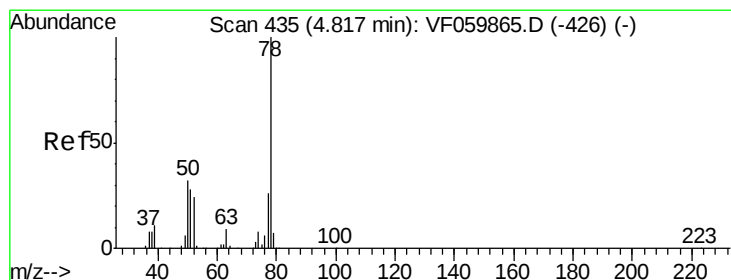
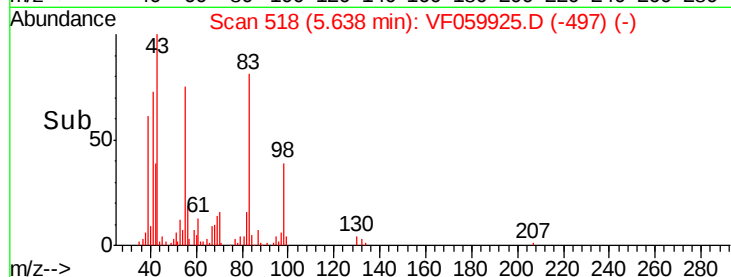
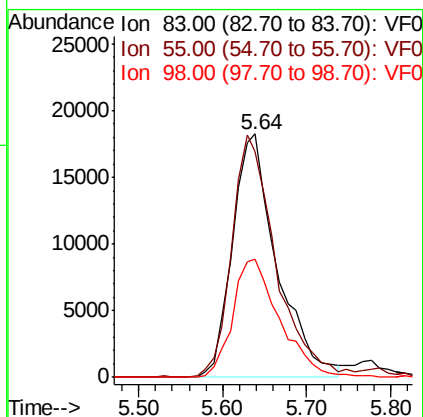
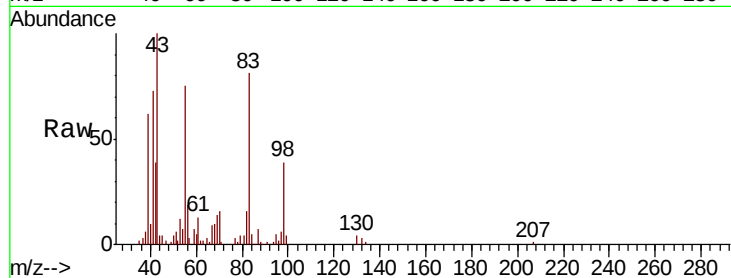




#39
Methvlcvclohexane
Concen: 53.38 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

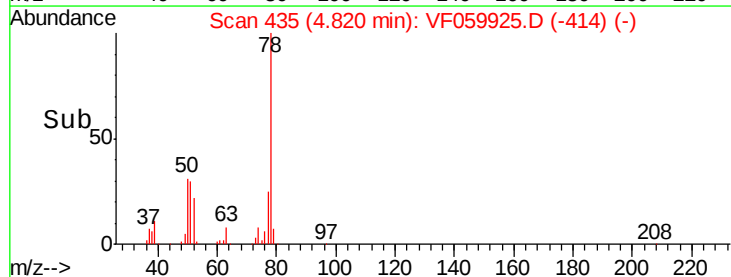
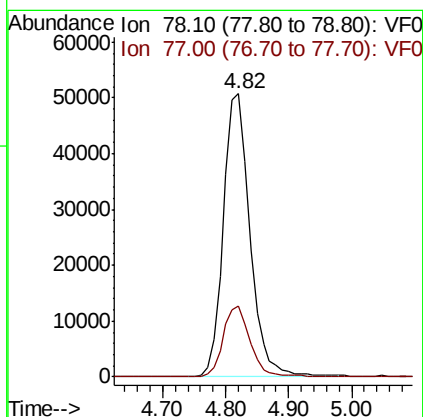
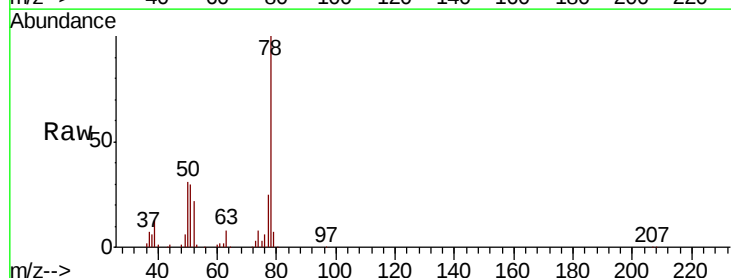
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

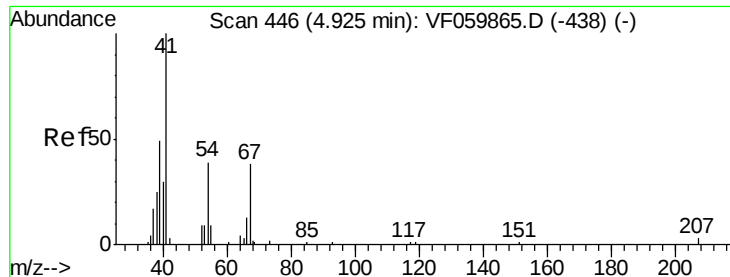
Tot Ion: 83 Resp: 67287
Ion Ratio Lower Upper
83 100
55 92.8 72.0 108.0
98 48.3 36.6 54.8



#40
Benzene
Concen: 51.91 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion: 78 Resp: 149191
Ion Ratio Lower Upper
78 100
77 24.9 20.7 31.1

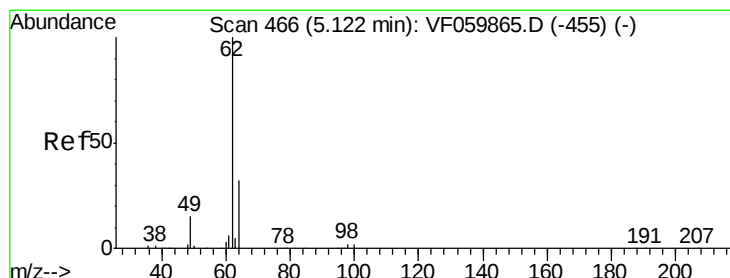
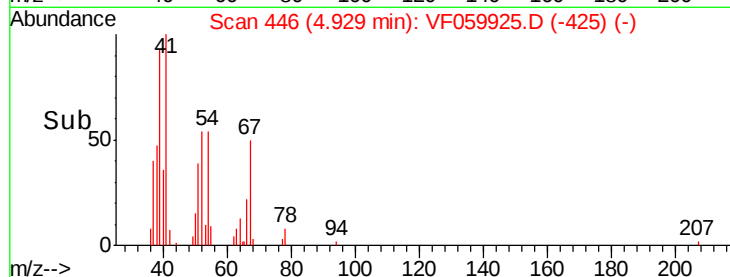
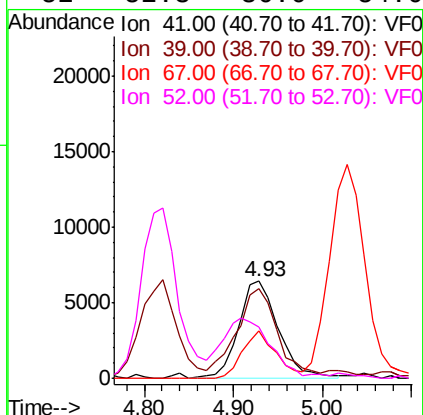
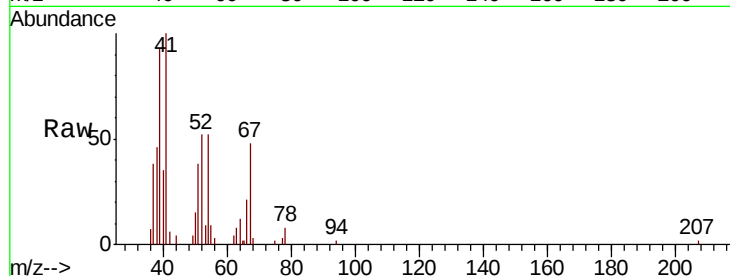




#41
Methacrylonitrile
Concen: 52.45 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

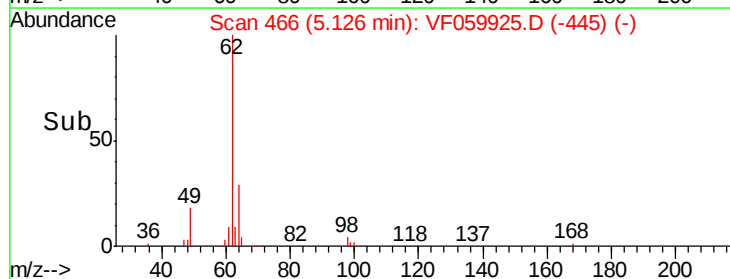
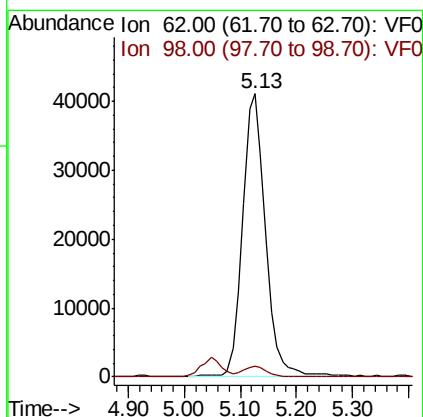
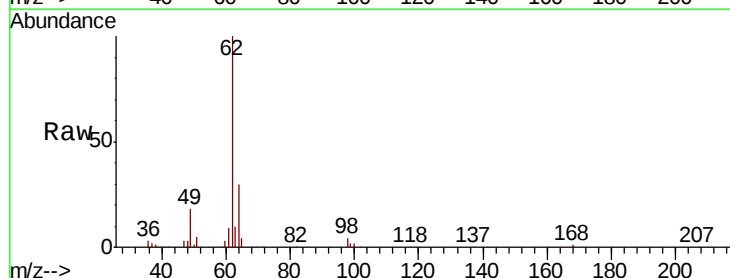
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

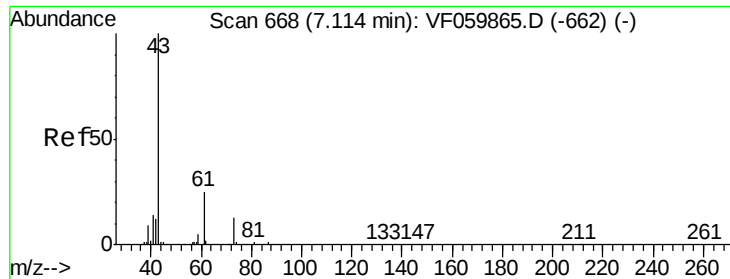
Tot Ion:	41	Resp:	19976
Ion	Ratio	Lower	Upper
41	100		
39	92.8	55.1	82.7#
67	48.4	30.3	45.5#
52	52.3	36.0	54.0



#42
1,2-Dichloroethane
Concen: 50.02 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion:	62	Resp:	116419
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	7.6



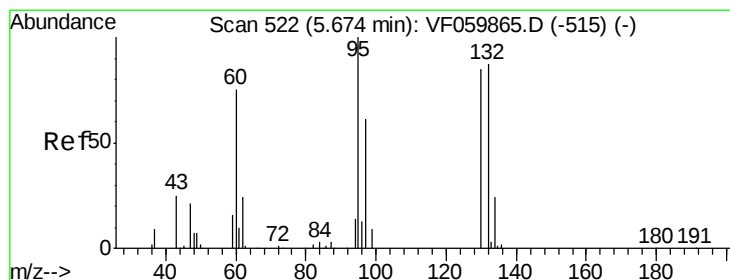
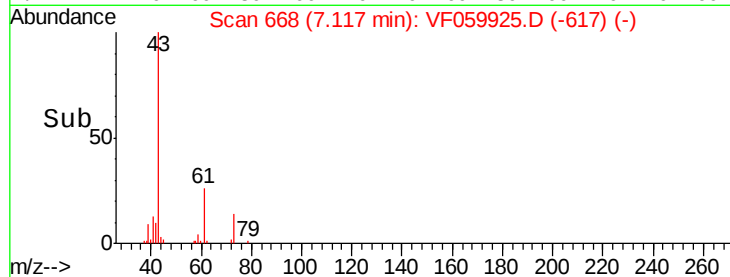
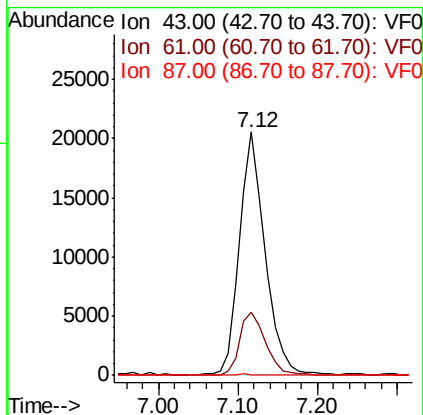
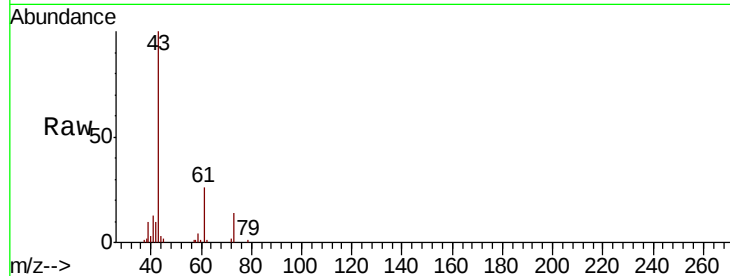


#43

Isopropyl Acetate
 Concen: 62.19 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

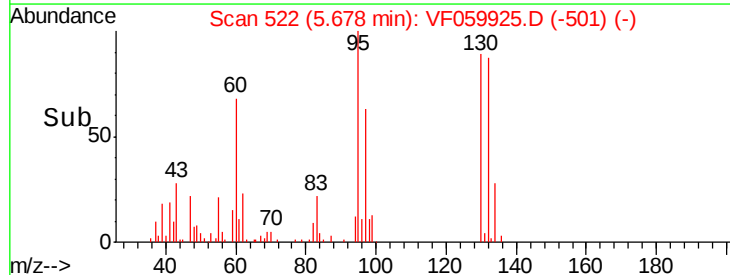
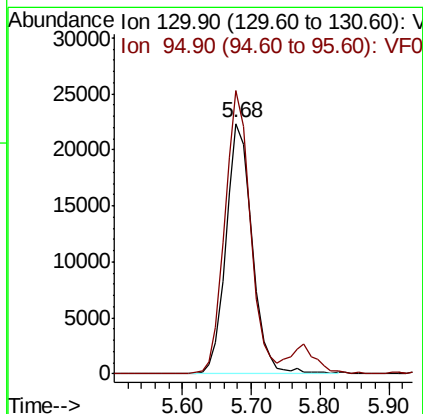
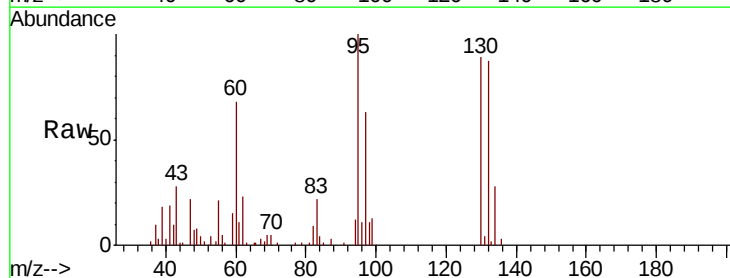
Tot Ion: 43 Resp: 46215
 Ion Ratio Lower Upper
 43 100
 61 25.9 20.3 30.5
 87 0.0 0.7 1.1#

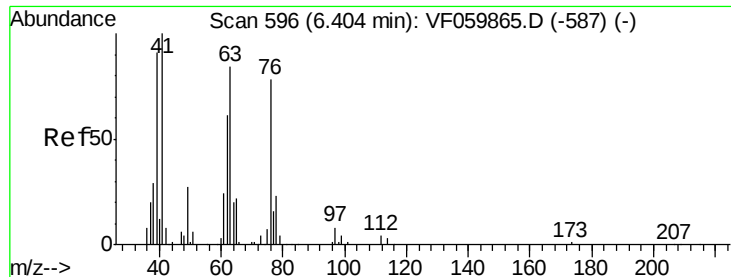


#44

Trichloroethene
 Concen: 52.54 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 130 Resp: 58807
 Ion Ratio Lower Upper
 130 100
 95 112.9 0.0 236.8





#45

1,2-Dichloropropane

Concen: 51.64 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

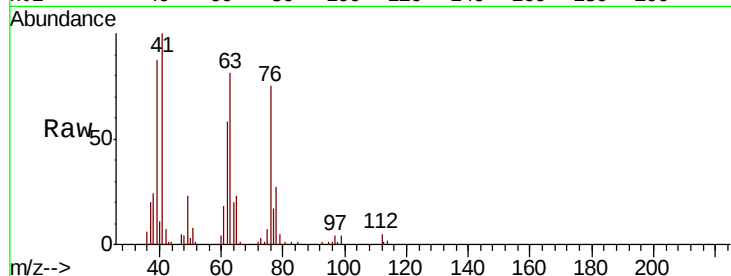
VSTDCCC050

Tot Ion: 63 Resp: 39826

Ion Ratio Lower Upper

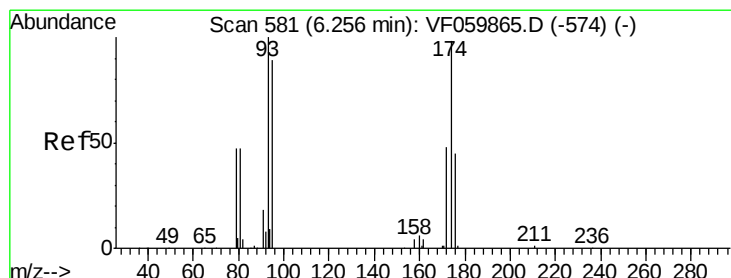
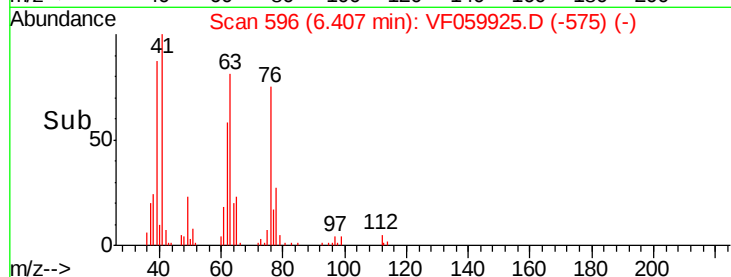
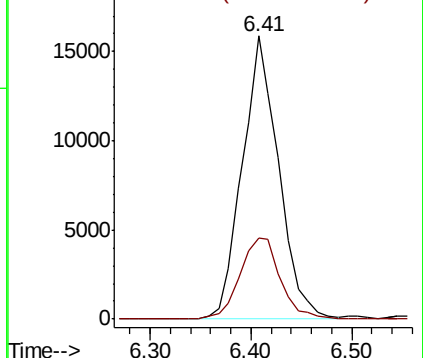
63 100

65 28.6 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 51.65 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

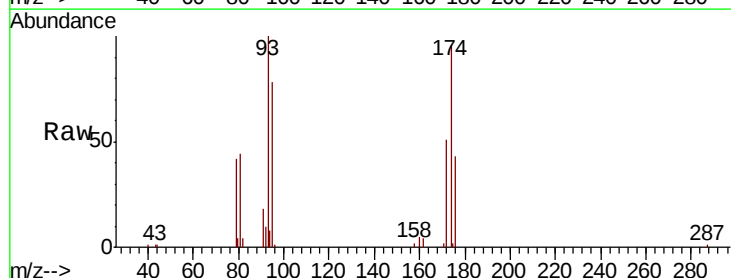
Tgt Ion: 93 Resp: 40194

Ion Ratio Lower Upper

93 100

95 77.9 71.4 107.2

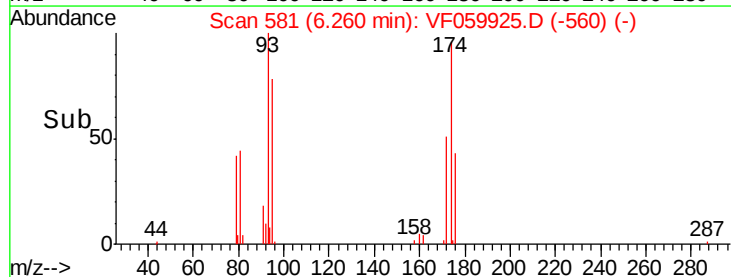
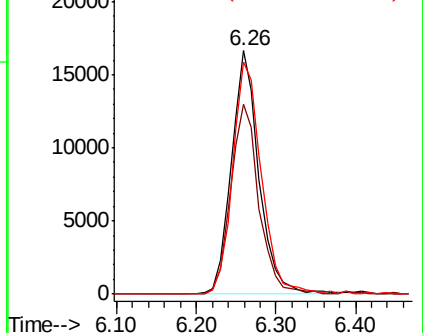
174 95.6 78.1 117.1

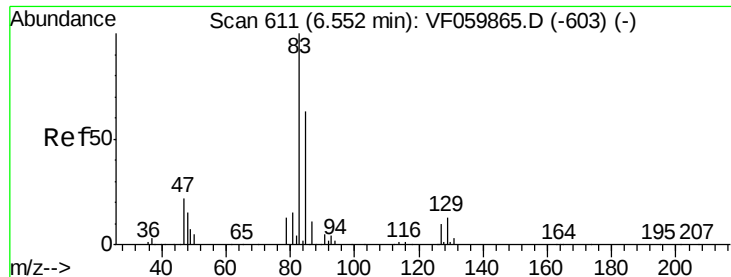


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 54.75 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

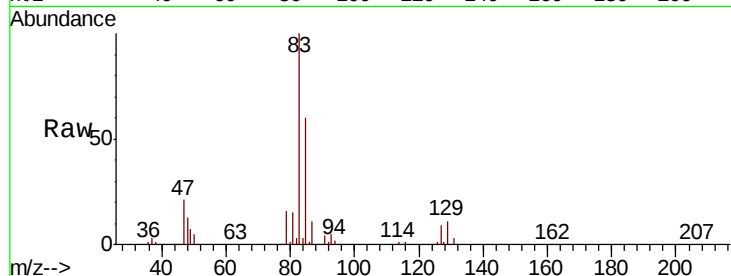
Tot Ion: 83 Resp: 116548

Ion Ratio Lower Upper

83 100

85 60.4 50.7 76.1

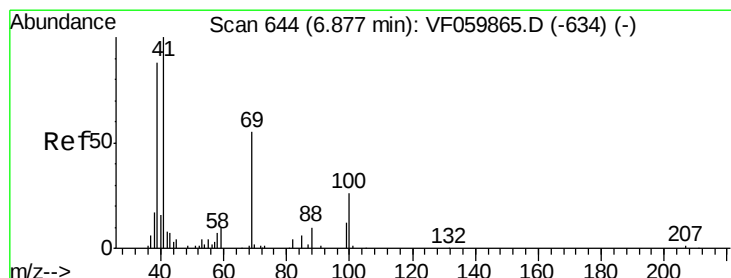
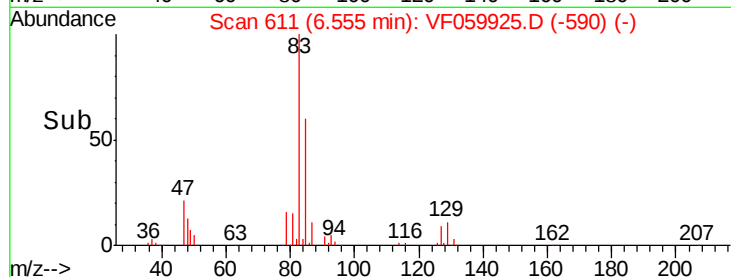
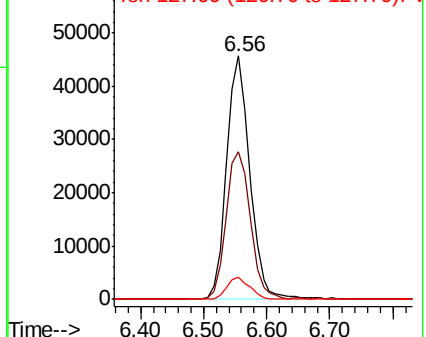
127 9.2 8.0 12.0



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: 60.71 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

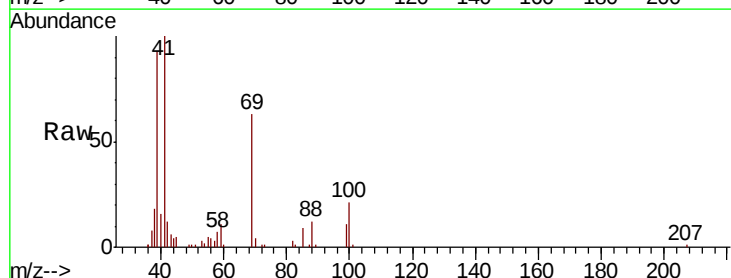
Tgt Ion: 41 Resp: 35099

Ion Ratio Lower Upper

41 100

69 63.1 44.4 66.6

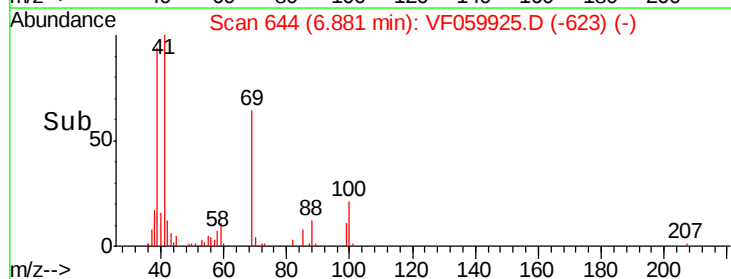
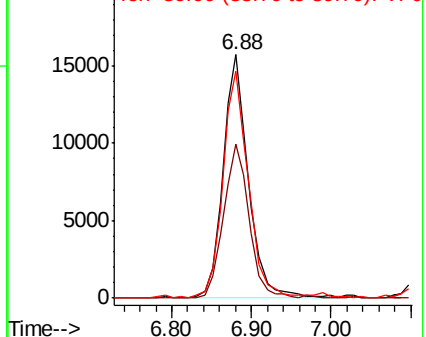
39 93.1 70.6 106.0

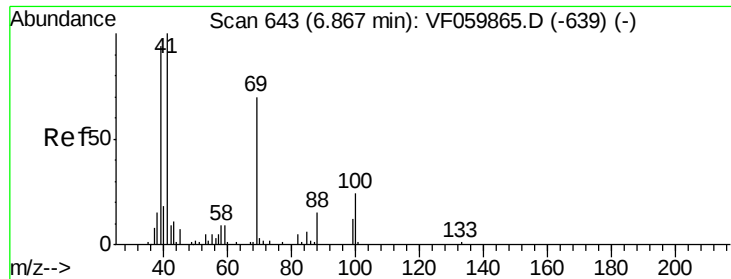


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1264.99 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

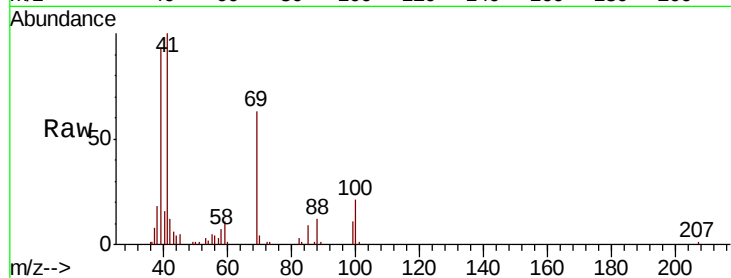
Tot Ion: 88 Resp: 5350

Ion Ratio Lower Upper

88 100

43 46.5 58.3 87.5#

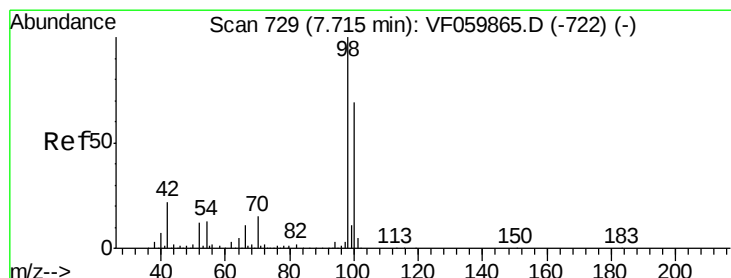
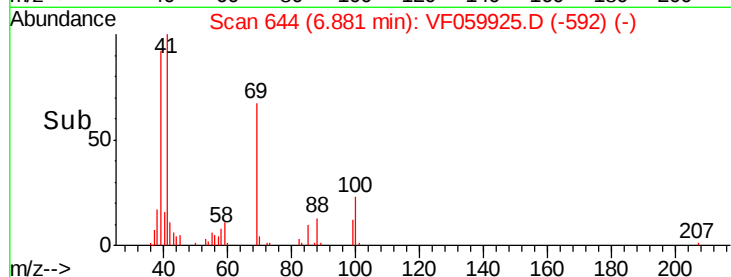
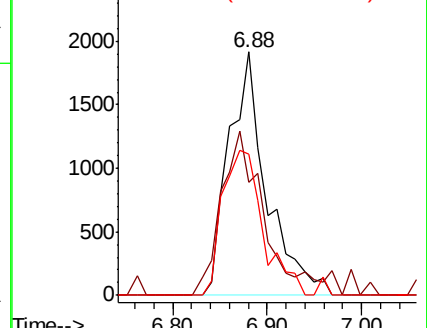
58 57.9 49.4 74.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.21 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF059925.D

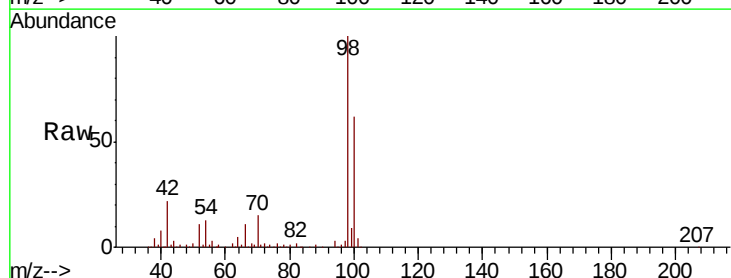
Acq: 8 Aug 2018 11:55

Tgt Ion: 98 Resp: 157525

Ion Ratio Lower Upper

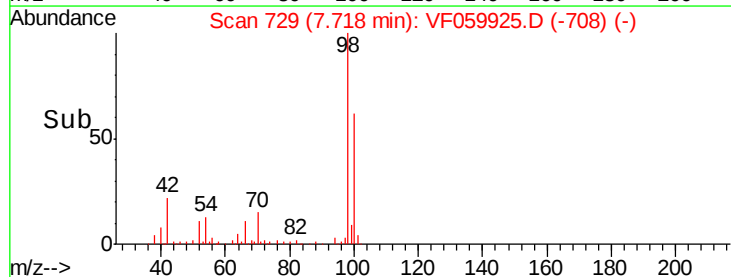
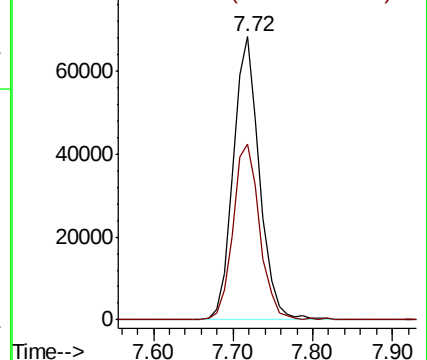
98 100

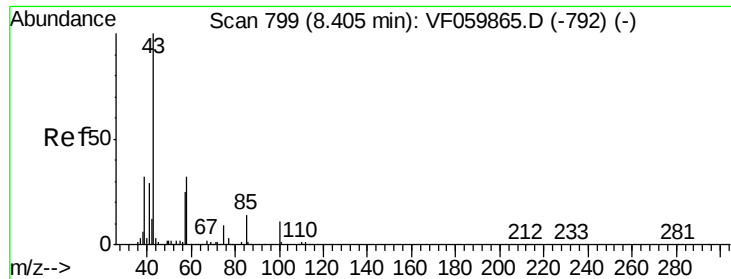
100 62.0 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 299.38 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

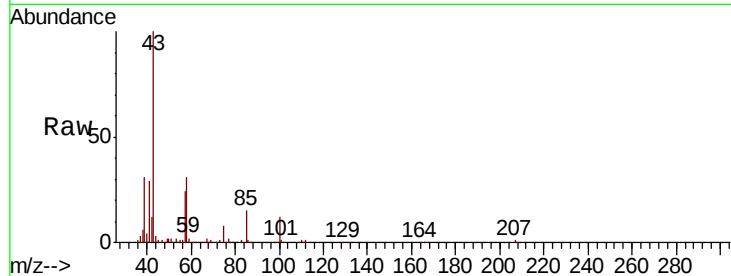
VSTDCCC050

Tot Ion: 43 Resp: 227453

Ion Ratio Lower Upper

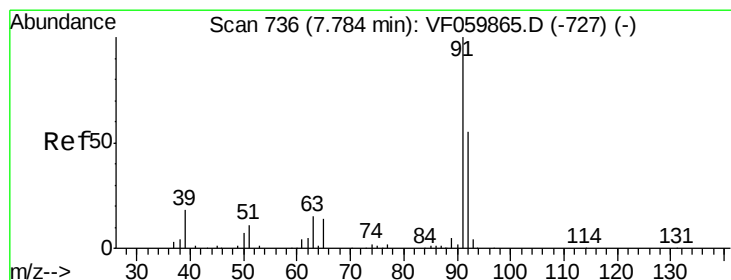
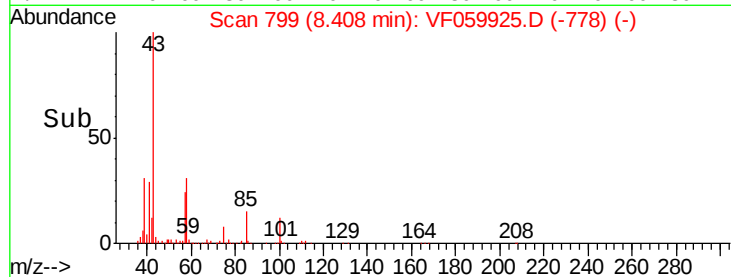
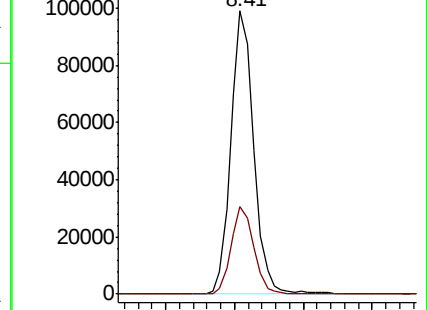
43 100

58 30.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.11 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059925.D

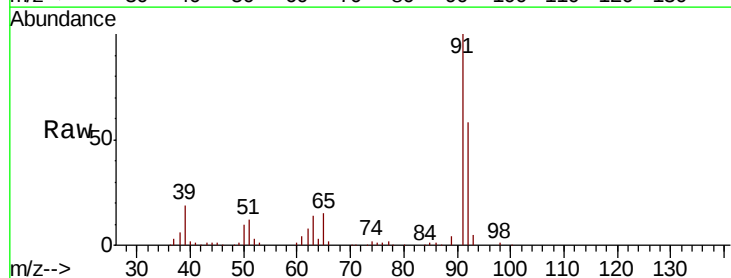
Acq: 8 Aug 2018 11:55

Tgt Ion: 92 Resp: 110621

Ion Ratio Lower Upper

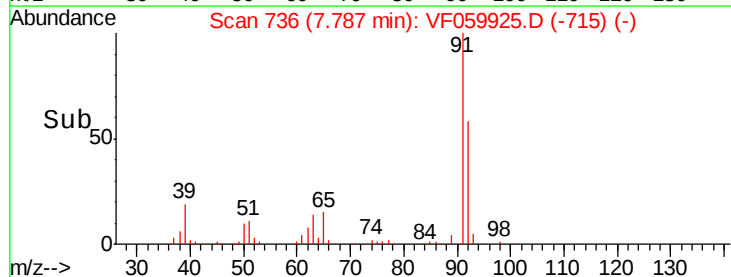
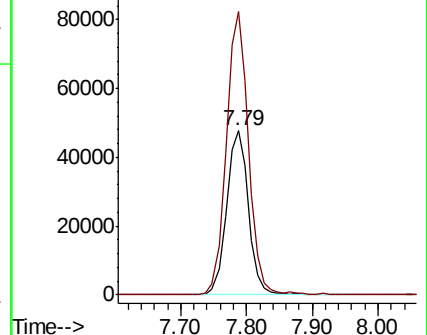
92 100

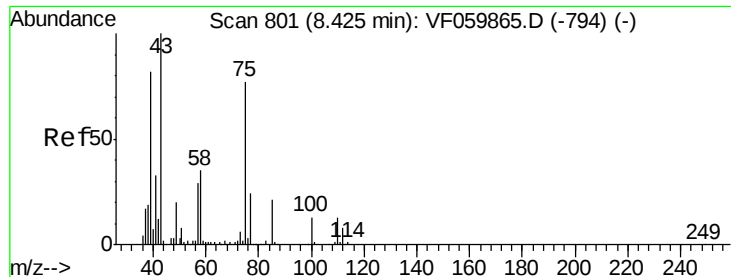
91 172.4 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

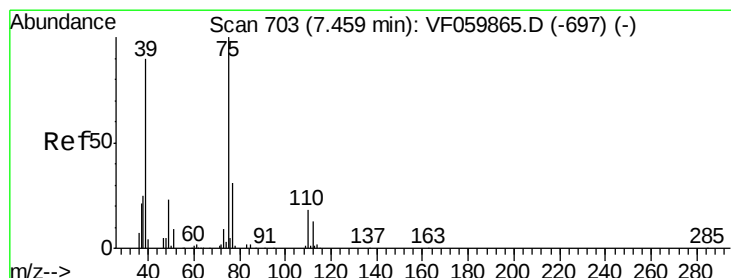
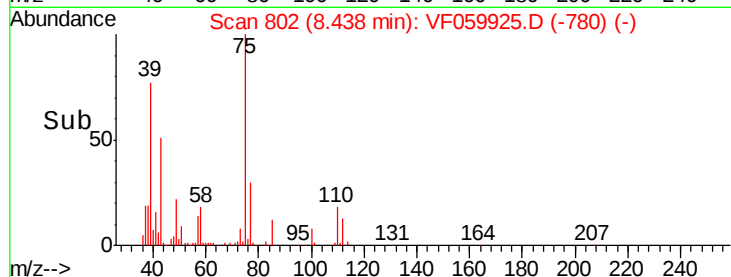
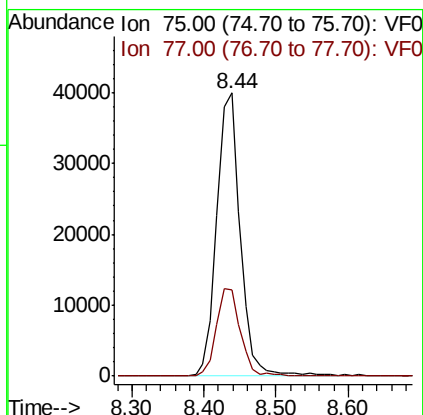
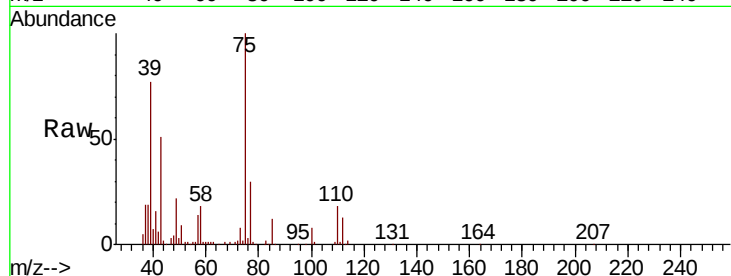




#53
 t-1,3-Dichloropropene
 Concen: 55.62 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

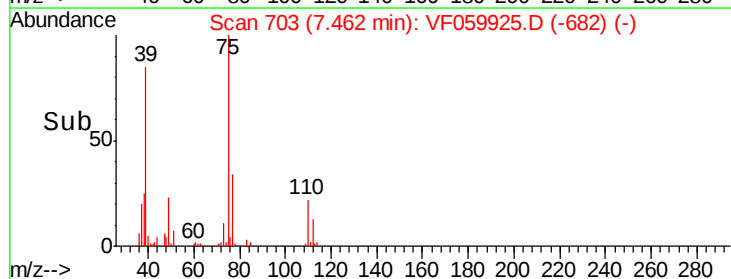
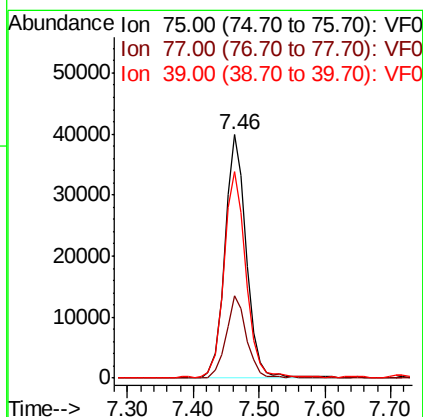
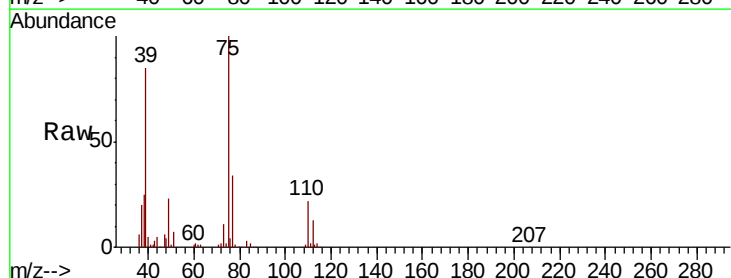
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

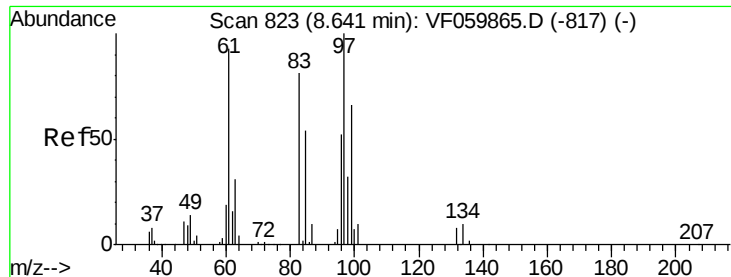
Tot Ion: 75 Resp: 90063
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 54.39 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 75 Resp: 90895
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.7 37.1
 39 84.9 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 55.53 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 42432

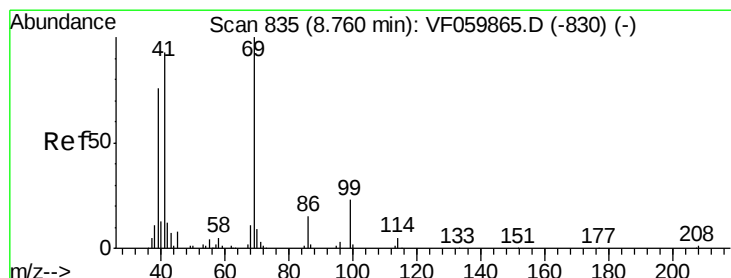
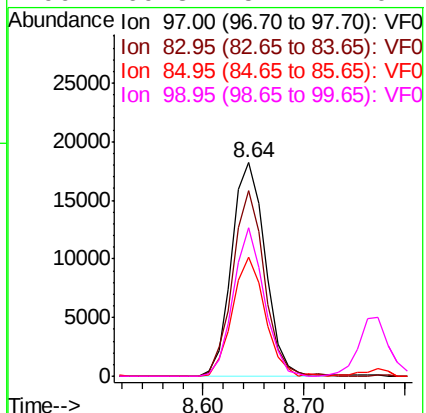
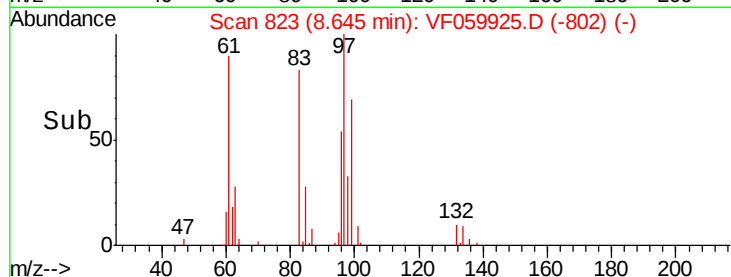
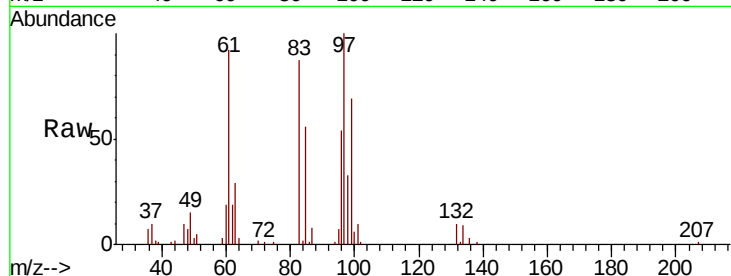
Ion	Ratio	Lower	Upper
97	100		
83	87.0	64.4	96.6
85	55.7	43.1	64.7
99	69.3	52.7	79.1

97 100

83 87.0 64.4 96.6

85 55.7 43.1 64.7

99 69.3 52.7 79.1



#56

Ethyl methacrylate

Concen: 55.88 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

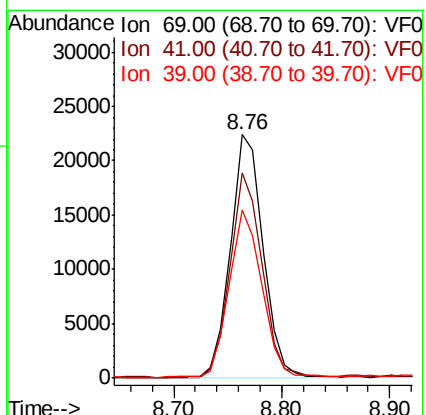
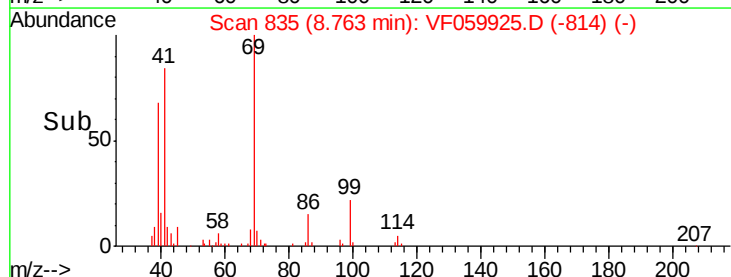
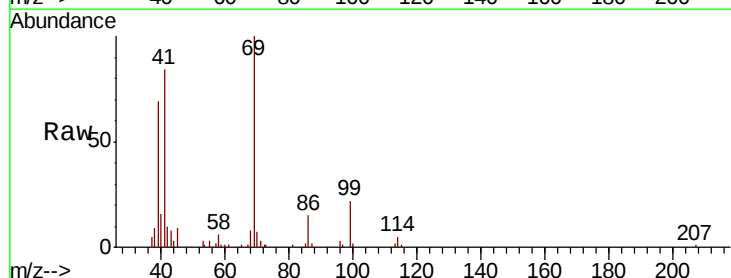
Tgt Ion: 69 Resp: 47180

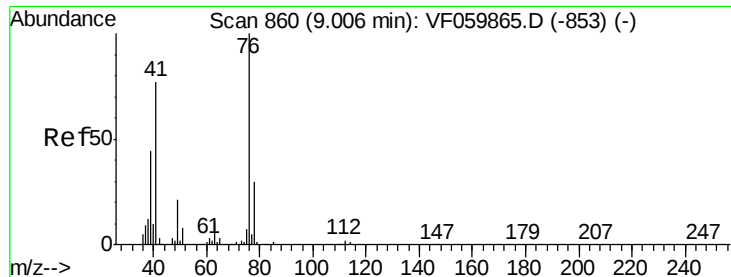
Ion	Ratio	Lower	Upper
69	100		
41	84.3	74.7	112.1
39	69.1	61.1	91.7

69 100

41 84.3 74.7 112.1

39 69.1 61.1 91.7





#57

1,3-Dichloropropane

Concen: 56.71 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

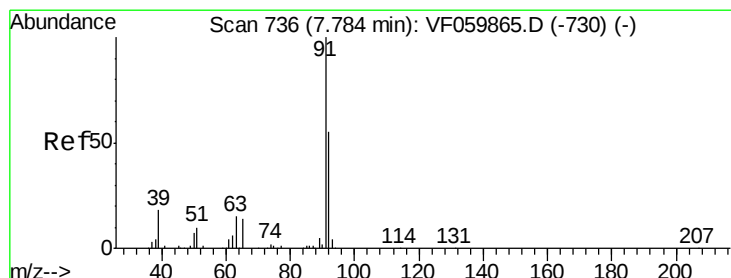
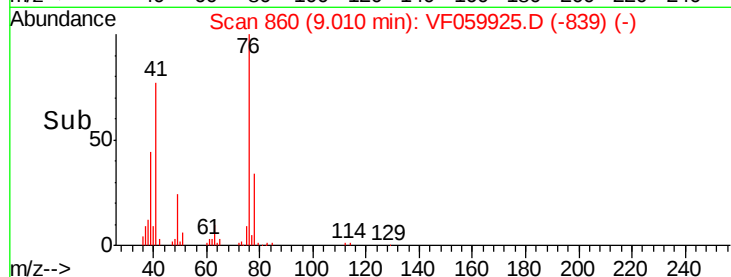
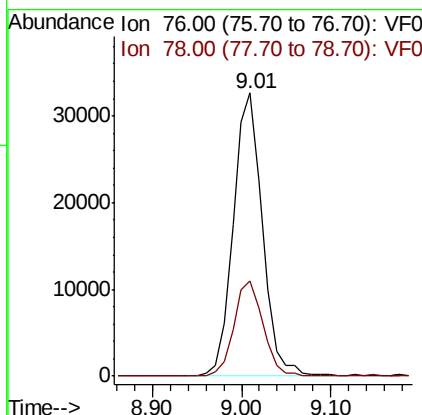
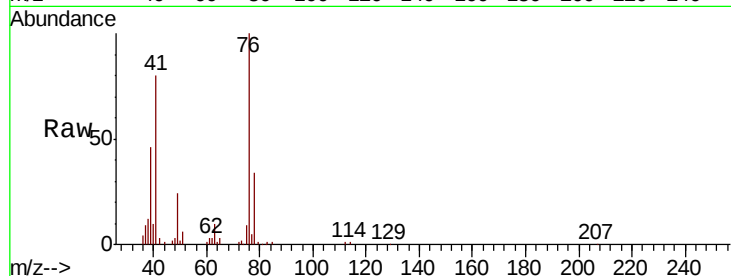
VSTDCCC050

Tot Ion: 76 Resp: 74417

Ion Ratio Lower Upper

76 100

78 33.5 24.2 36.2



#58

2-Chloroethyl Vinyl ether

Concen: 267.99 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059925.D

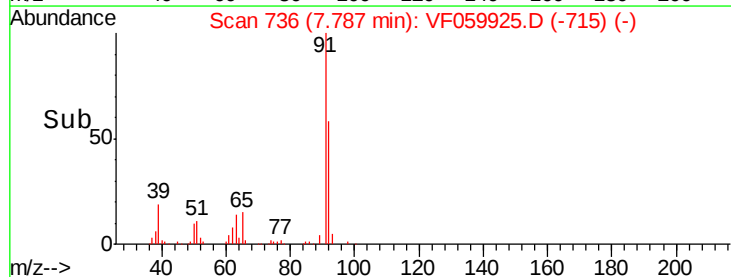
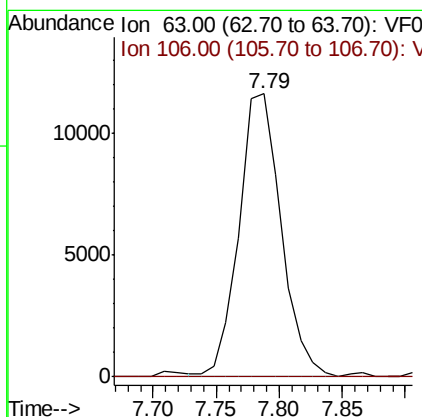
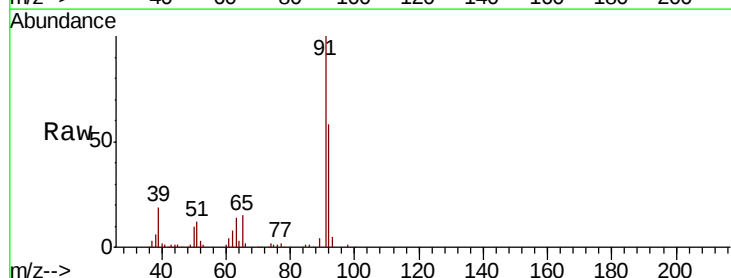
Acq: 8 Aug 2018 11:55

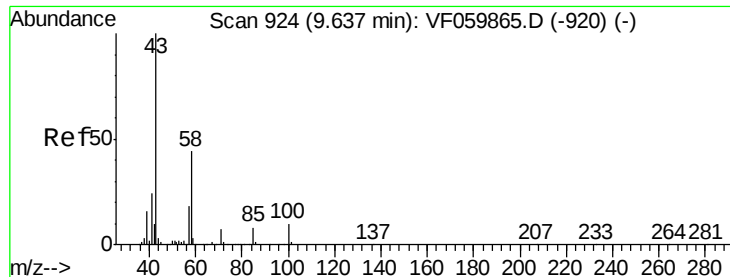
Tgt Ion: 63 Resp: 27093

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

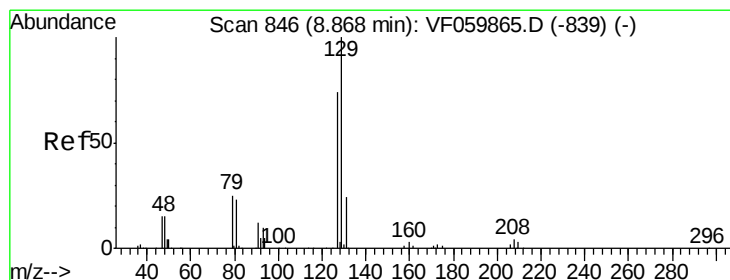
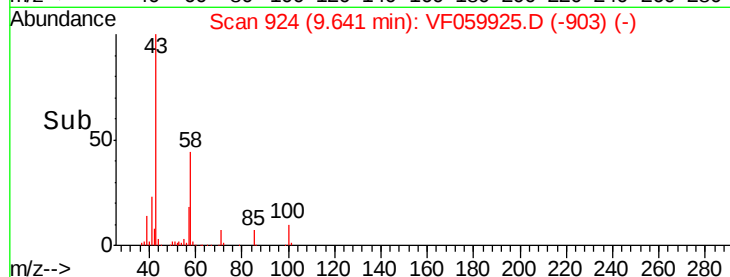
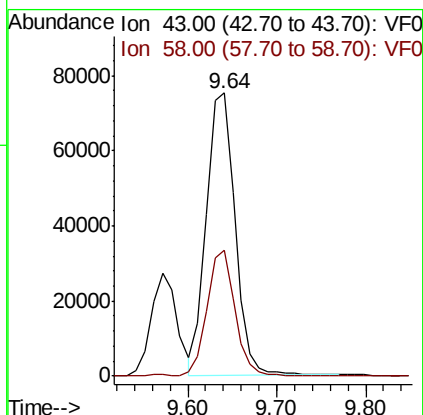
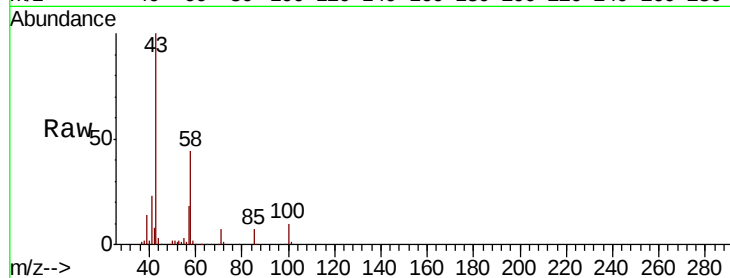




#59
2-Hexanone
Concen: 314.39 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

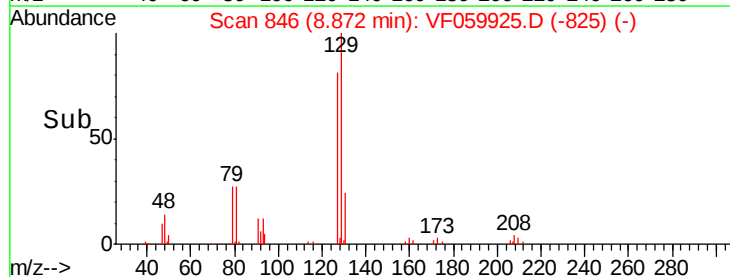
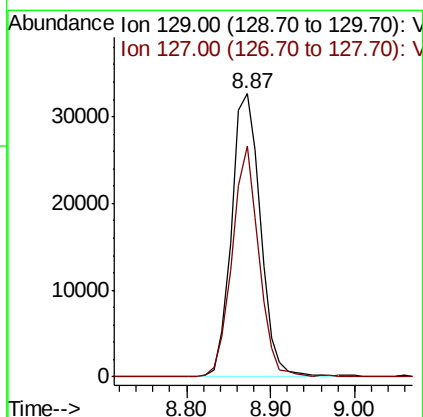
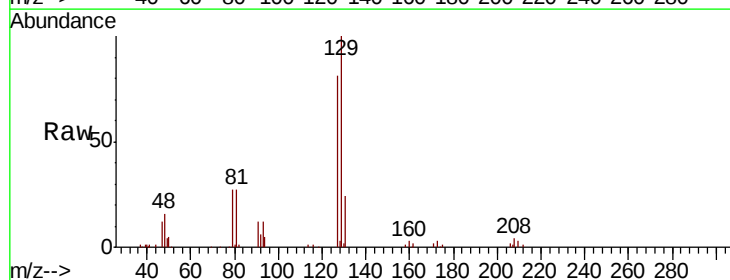
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

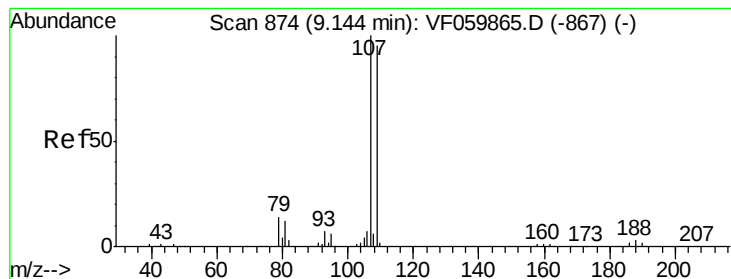
Tot Ion: 43 Resp: 168729
Ion Ratio Lower Upper
43 100
58 44.4 20.8 62.2



#60
Dibromochloromethane
Concen: 54.58 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion: 129 Resp: 78244
Ion Ratio Lower Upper
129 100
127 81.4 36.9 110.7





#61

1,2-Dibromoethane

Concen: 56.34 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

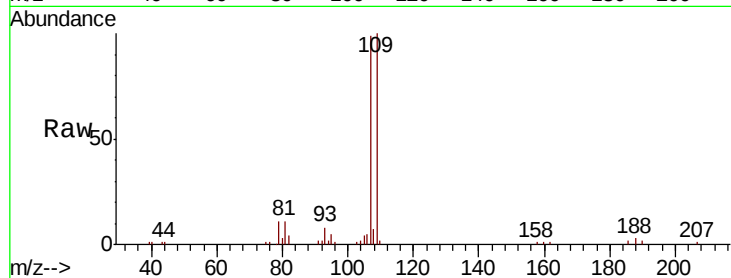
VSTDCCC050

Tot Ion:107 Resp: 52459

Ion Ratio Lower Upper

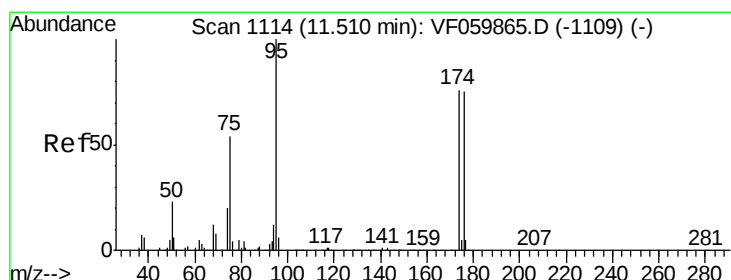
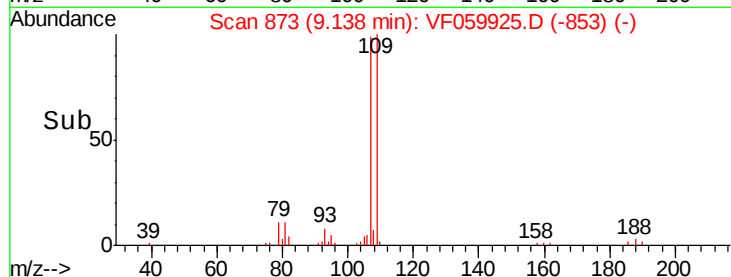
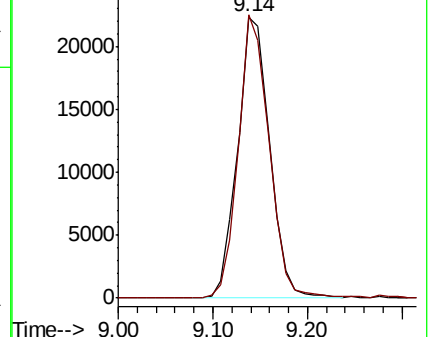
107 100

109 100.8 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.74 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

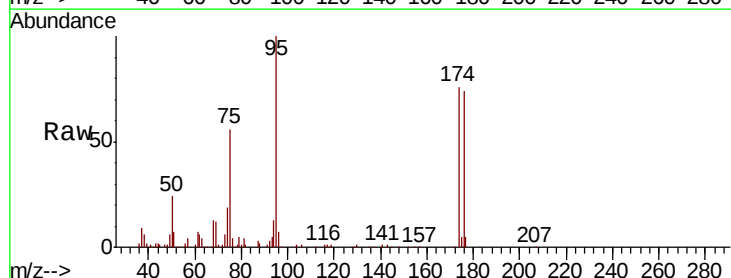
Tgt Ion: 95 Resp: 92887

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.6

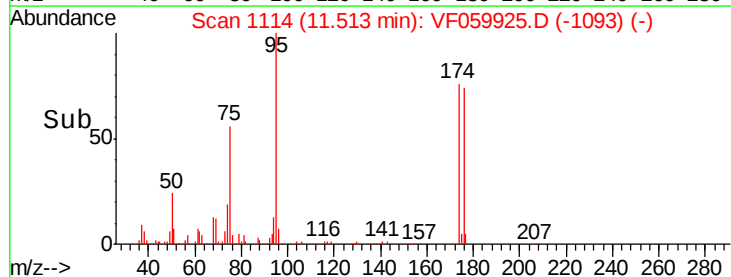
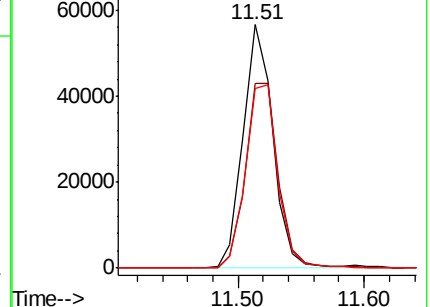
176 73.6 0.0 149.8

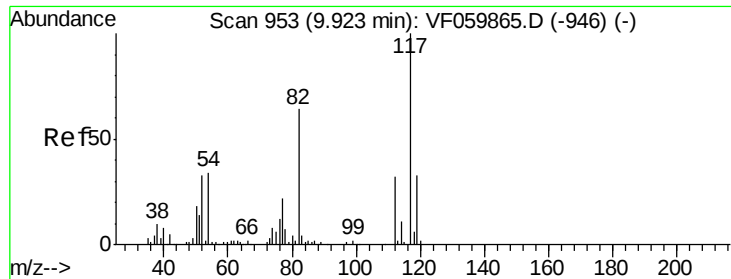


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

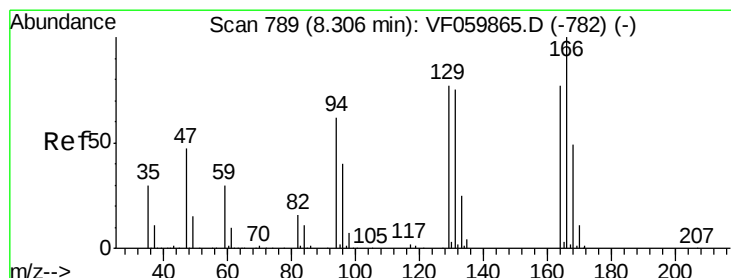
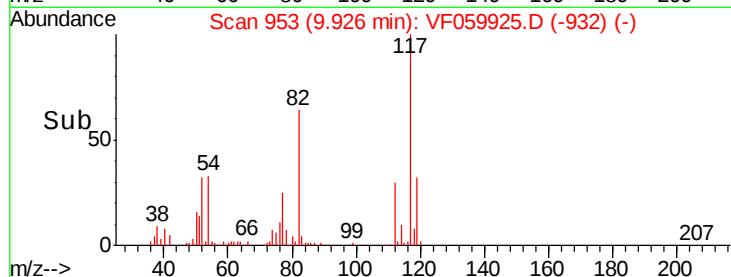
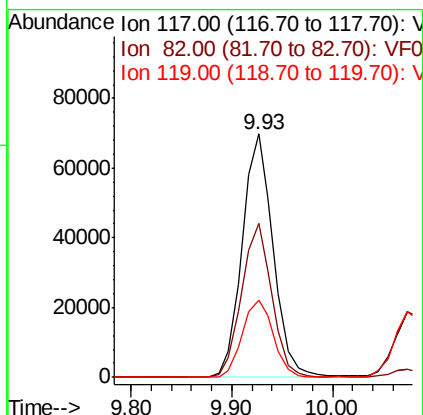
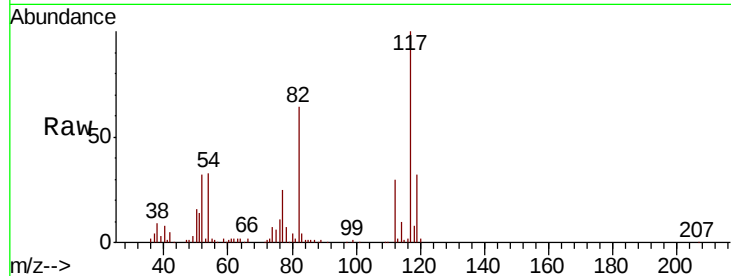




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

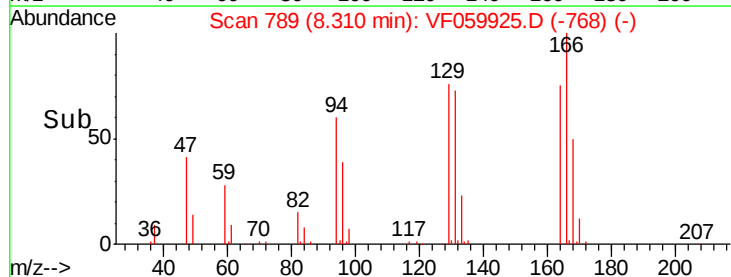
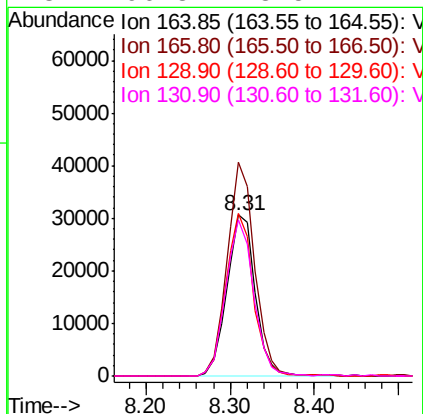
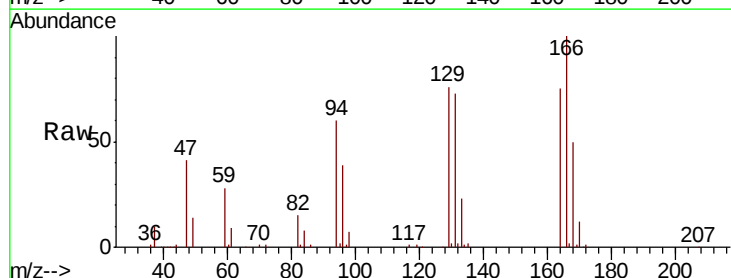
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

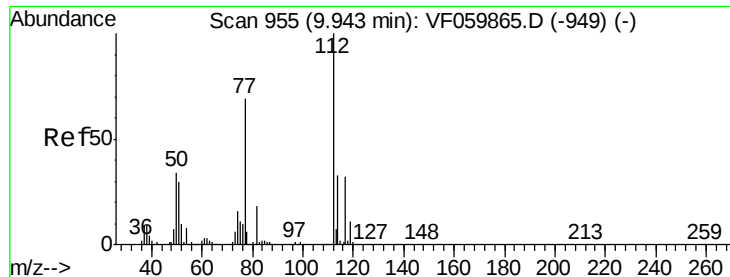
Tot Ion:117 Resp: 148939
Ion Ratio Lower Upper
117 100
82 63.5 51.3 76.9
119 31.8 26.4 39.6



#64
Tetrachloroethene
Concen: 55.57 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion:164 Resp: 71393
Ion Ratio Lower Upper
164 100
166 132.9 104.4 156.6
129 100.8 80.3 120.5
131 96.8 78.5 117.7

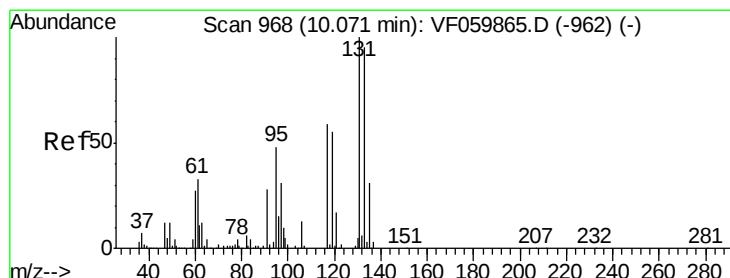
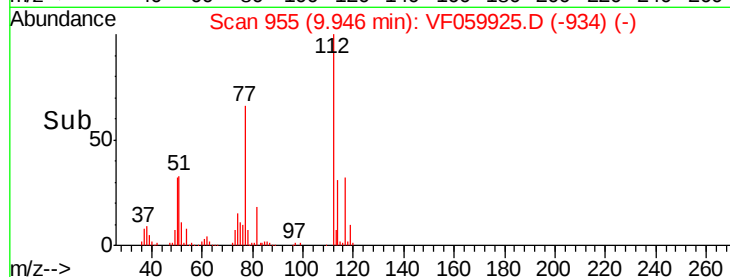
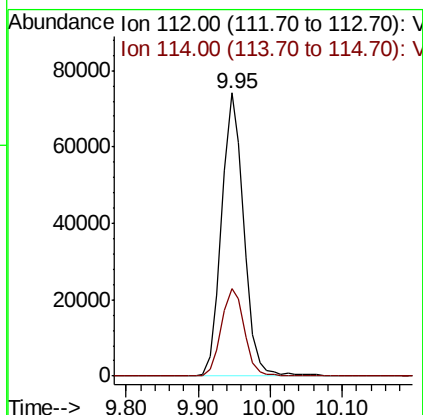
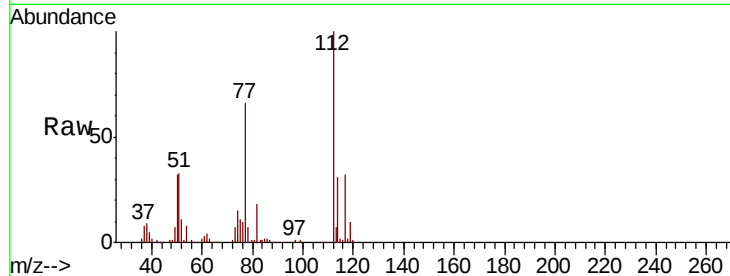




#65
Chlorobenzene
Concen: 52.28 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

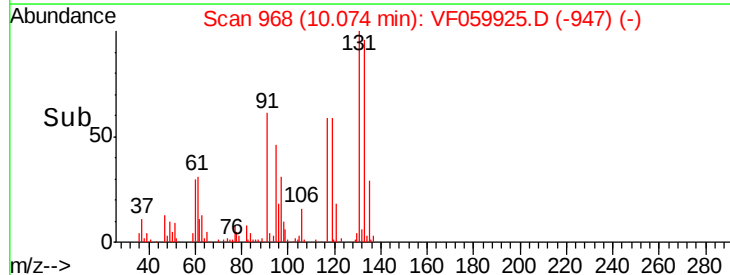
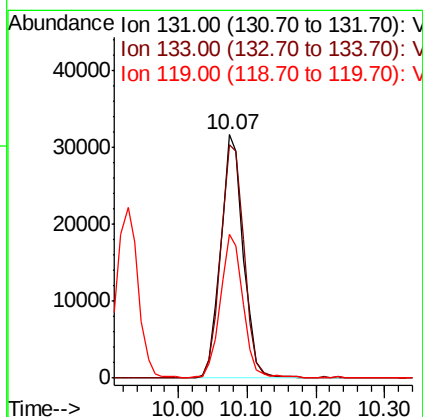
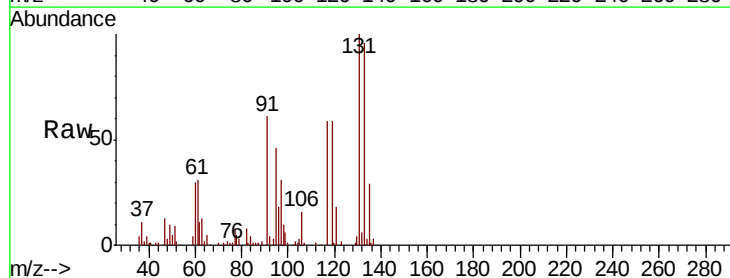
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

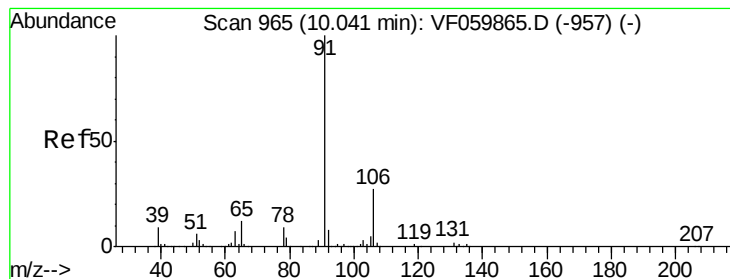
Tot Ion:112 Resp: 158037
Ion Ratio Lower Upper
112 100
114 30.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.91 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion:131 Resp: 72041
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.2
119 59.0 27.7 83.1





#67

Ethyl Benzene

Concen: 53.41 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

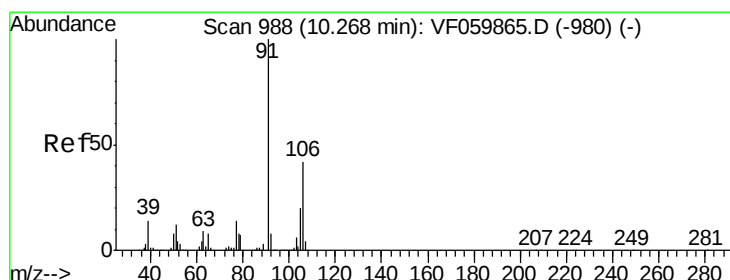
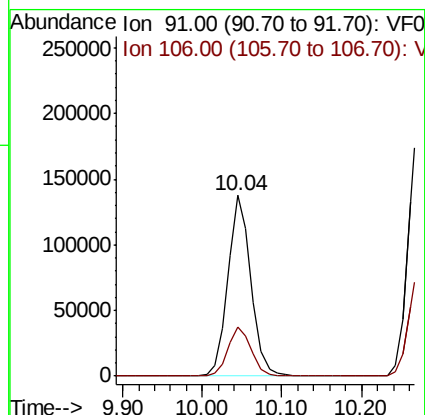
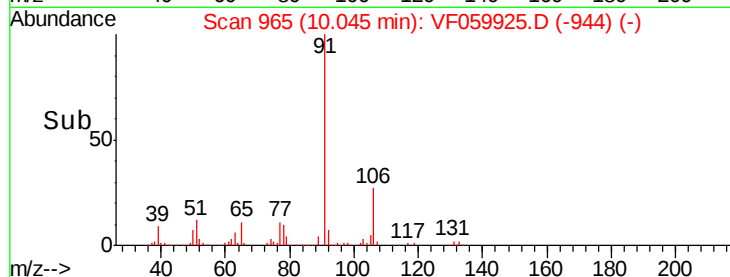
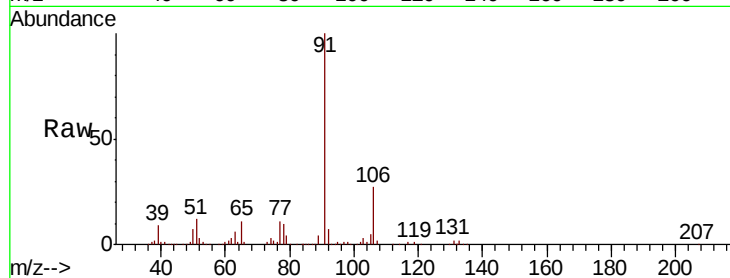
VSTDCCC050

Tot Ion: 91 Resp: 281302

Ion Ratio Lower Upper

91 100

106 26.9 21.5 32.3



#68

m/p-Xylenes

Concen: 108.04 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059925.D

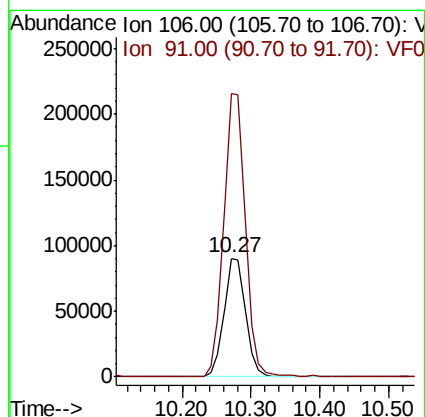
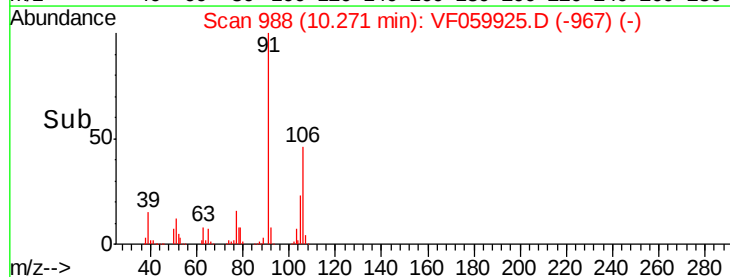
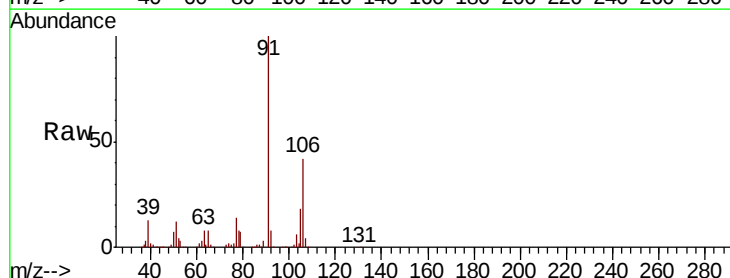
Acq: 8 Aug 2018 11:55

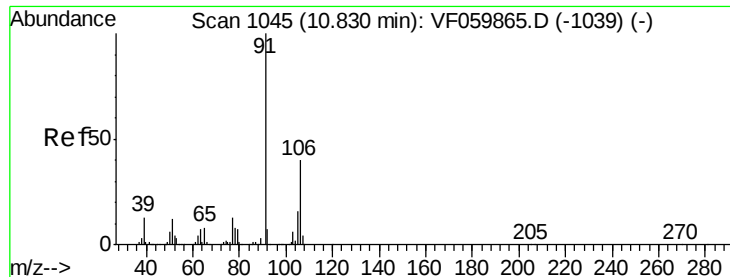
Tgt Ion:106 Resp: 196705

Ion Ratio Lower Upper

106 100

91 239.4 192.1 288.1

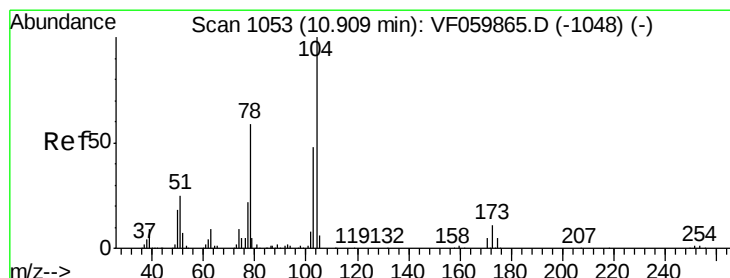
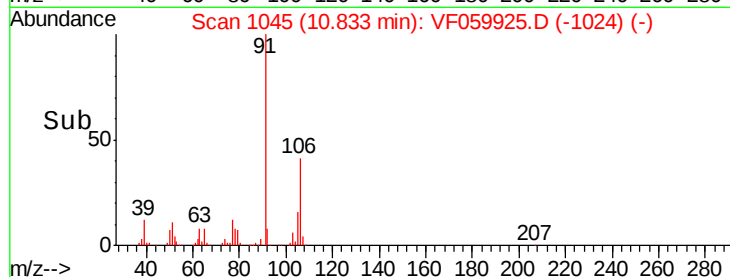
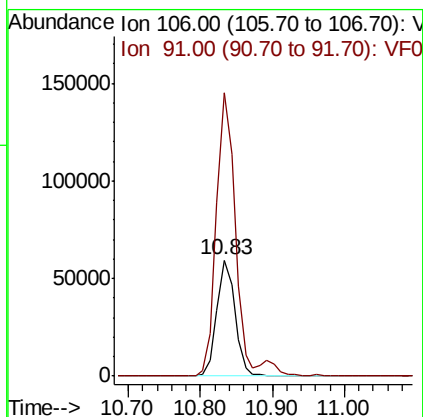
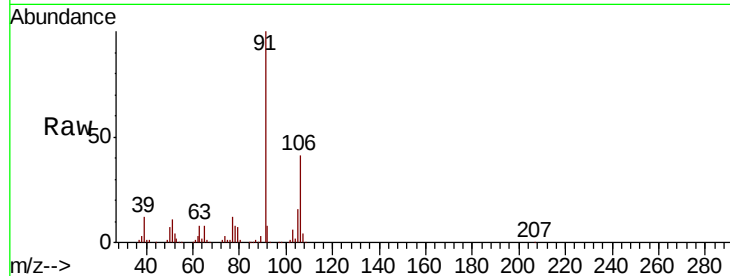




#69
o-Xylene
Concen: 54.25 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

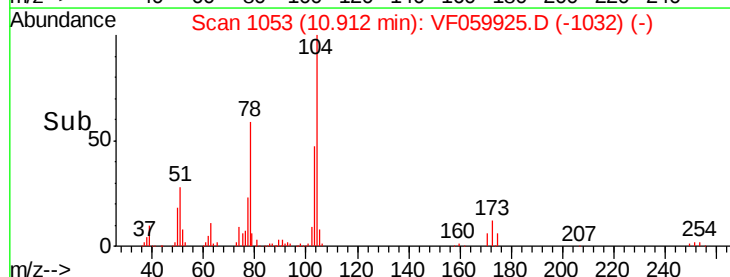
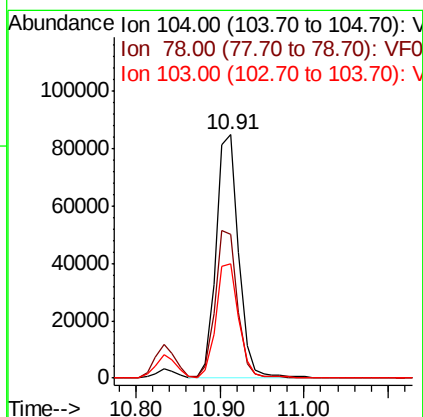
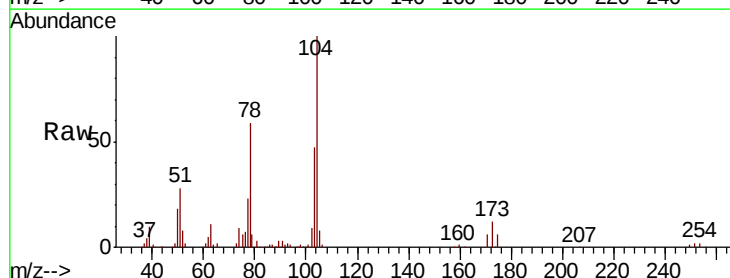
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

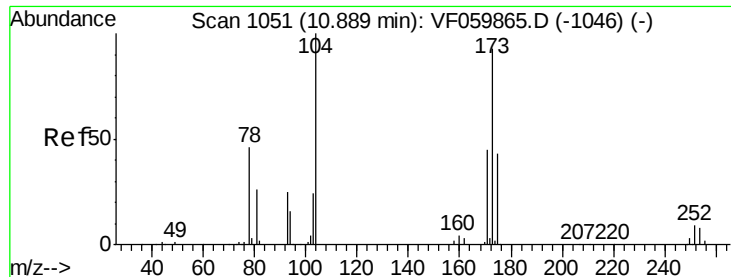
Tot Ion:106 Resp: 104624
Ion Ratio Lower Upper
106 100
91 243.9 125.4 376.2



#70
Styrene
Concen: 54.74 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion:104 Resp: 157532
Ion Ratio Lower Upper
104 100
78 59.0 47.3 70.9
103 46.8 39.0 58.4





#71

Bromoform

Concen: 53.91 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

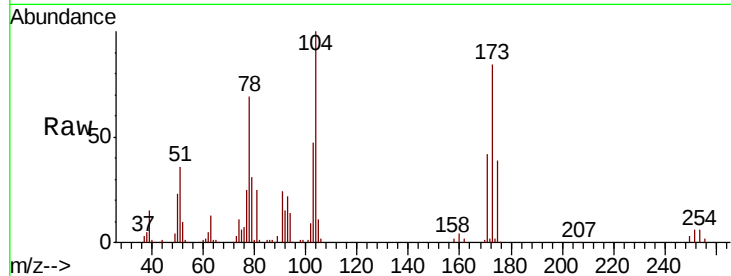
Tot Ion:173 Resp: 49683

Ion Ratio Lower Upper

173 100

175 46.0 23.4 70.2

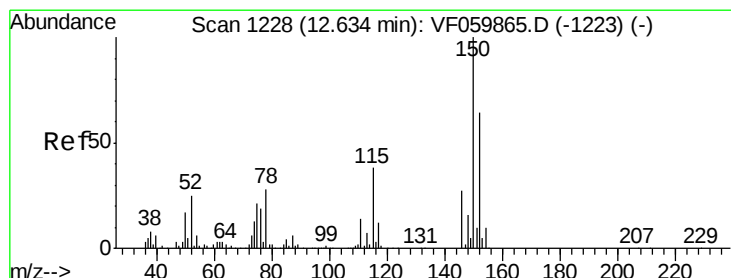
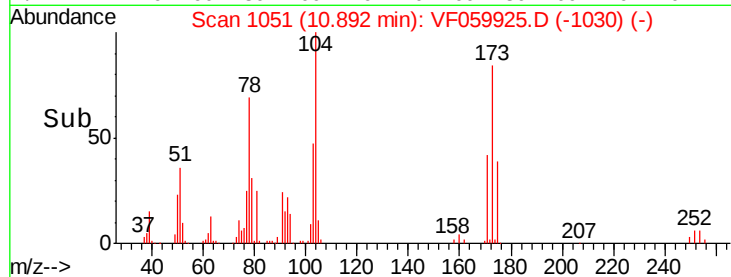
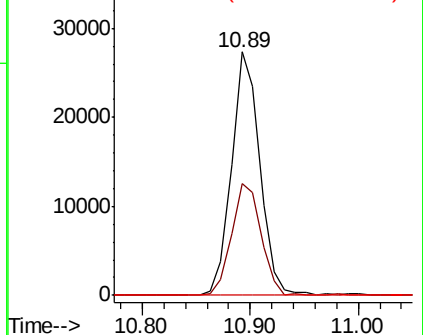
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

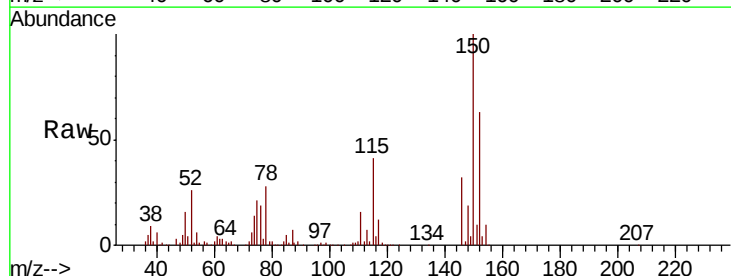
Tgt Ion:152 Resp: 97789

Ion Ratio Lower Upper

152 100

115 64.4 29.8 89.4

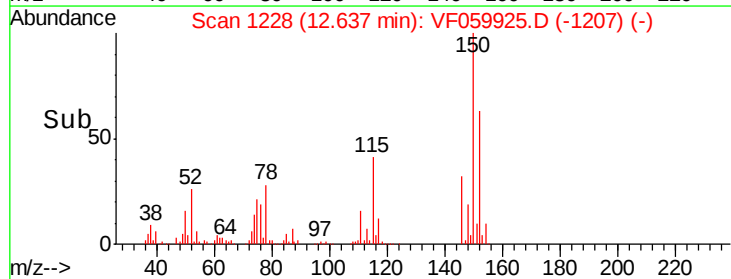
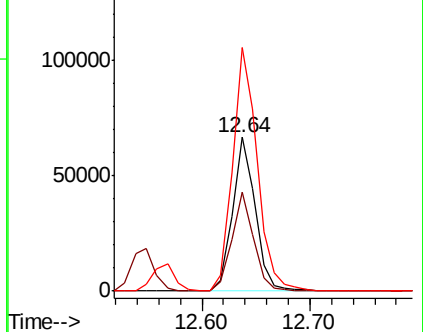
150 158.4 0.0 315.6

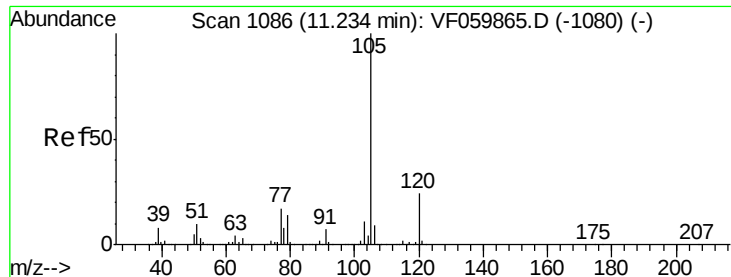


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 56.89 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

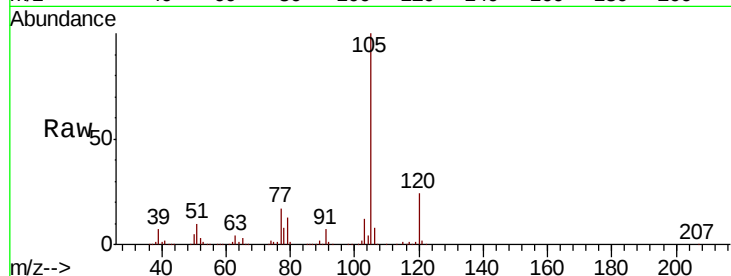
VSTDCCC050

Tot Ion:105 Resp: 346516

Ion Ratio Lower Upper

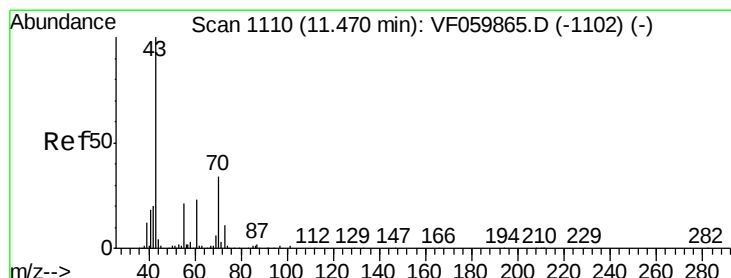
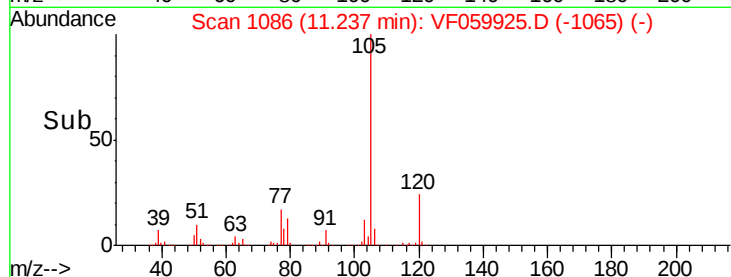
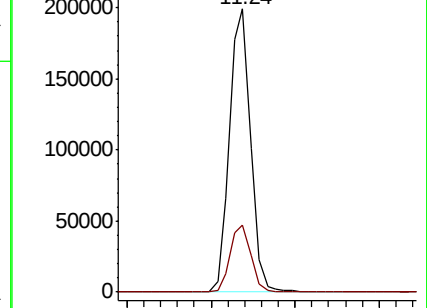
105 100

120 23.9 12.1 36.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.71 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion: 43 Resp: 81299

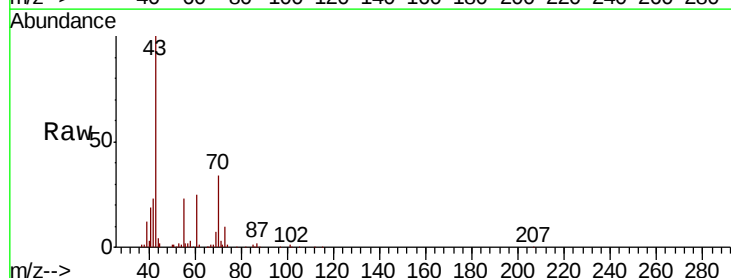
Ion Ratio Lower Upper

43 100

70 33.7 27.5 41.3

55 23.1 16.6 25.0

61 25.0 18.2 27.4

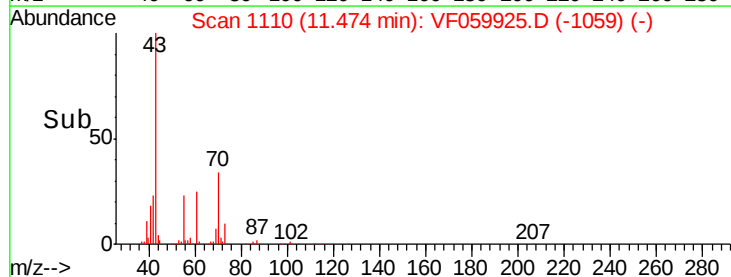
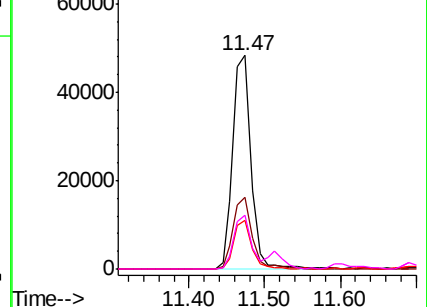


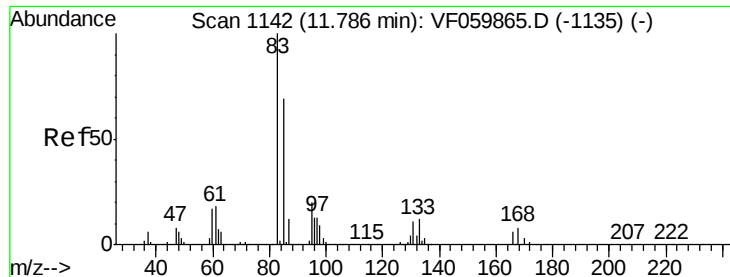
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.85 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

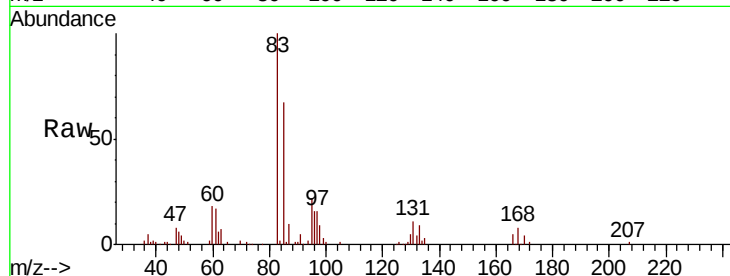
Tot Ion: 83 Resp: 59296

Ion Ratio Lower Upper

83 100

131 11.3 5.3 15.9

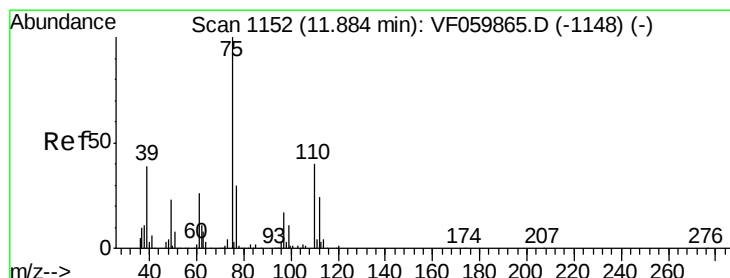
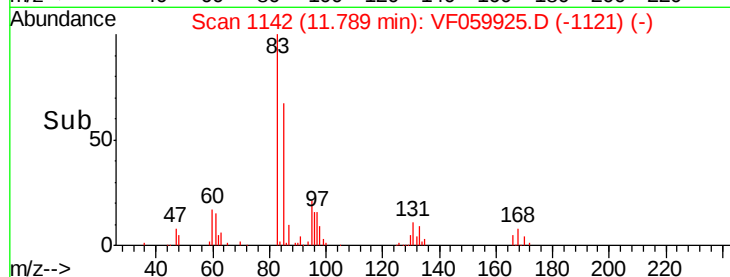
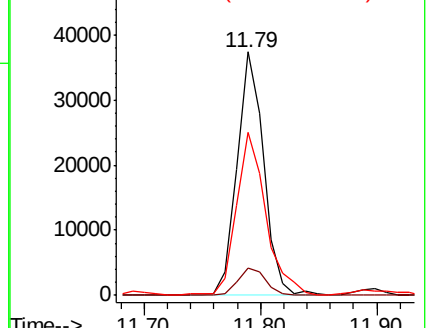
85 66.9 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.93 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059925.D

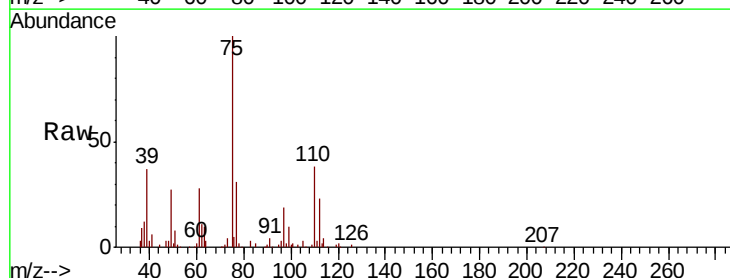
Acq: 8 Aug 2018 11:55

Tgt Ion: 75 Resp: 51009

Ion Ratio Lower Upper

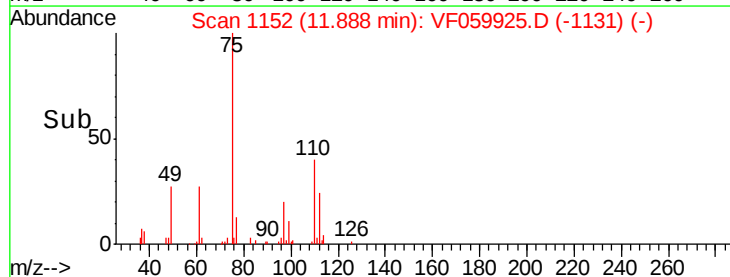
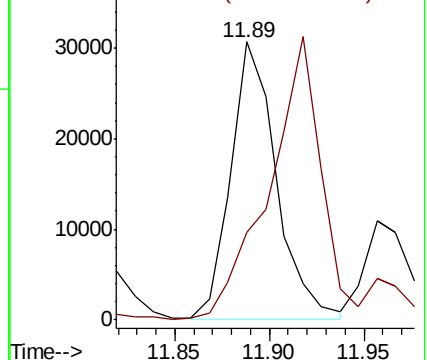
75 100

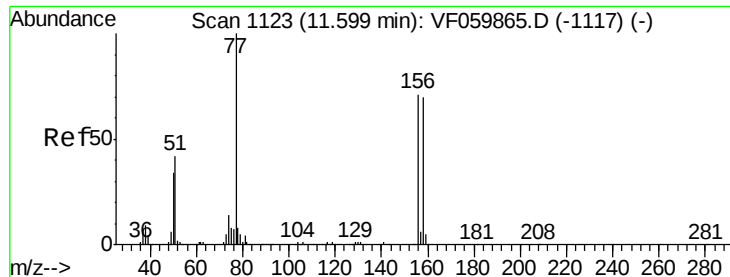
77 31.5 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 53.82 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

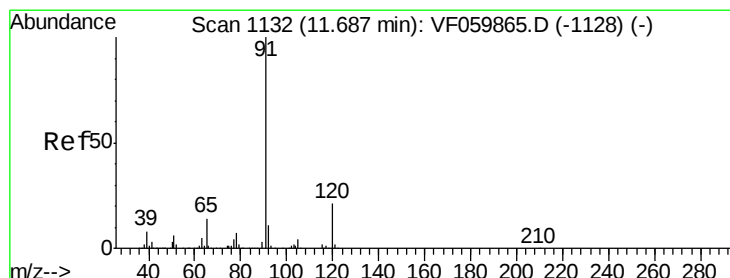
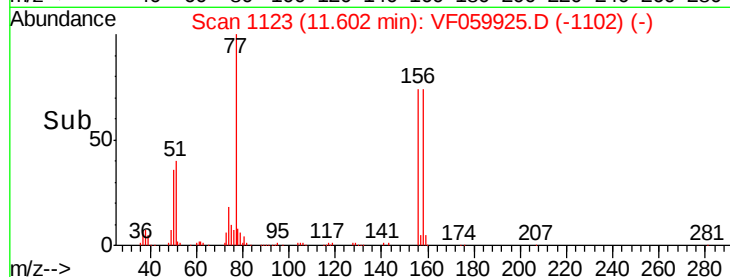
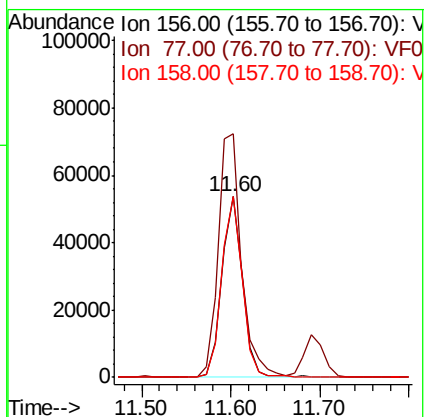
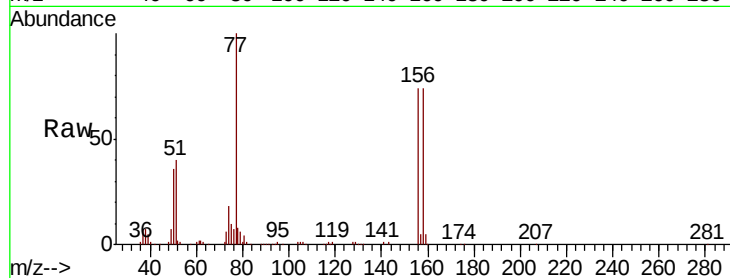
Tot Ion:156 Resp: 89155

Ion Ratio Lower Upper

156 100

77 135.0 70.2 210.6

158 100.2 49.2 147.6



#78

n-propylbenzene

Concen: 55.56 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059925.D

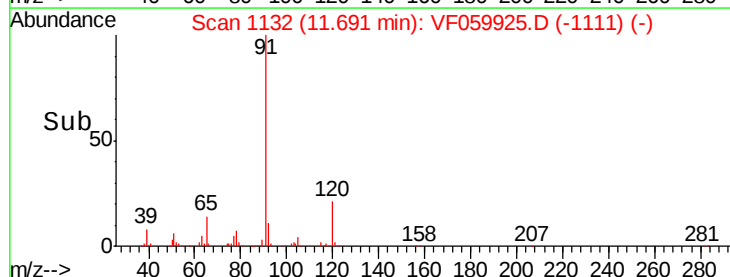
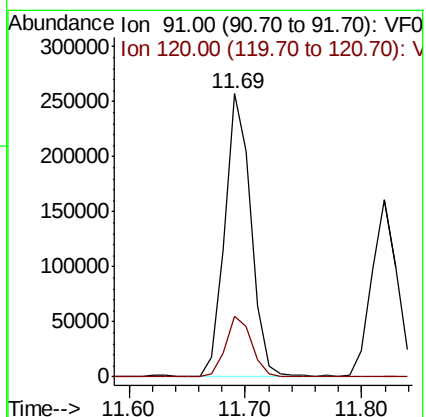
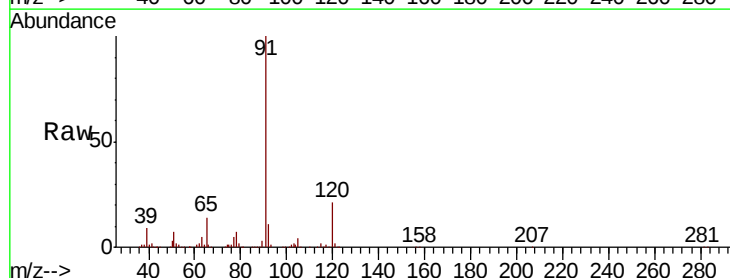
Acq: 8 Aug 2018 11:55

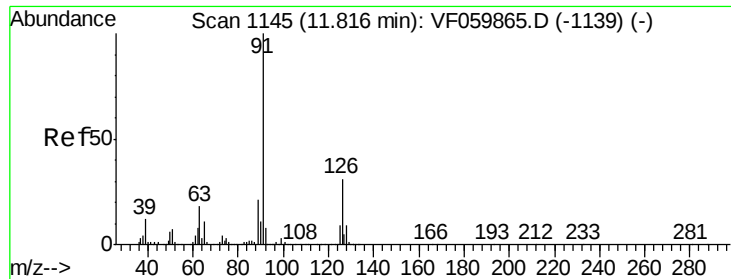
Tgt Ion: 91 Resp: 399661

Ion Ratio Lower Upper

91 100

120 21.5 10.4 31.2





#79

2-Chlorotoluene

Concen: 53.74 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

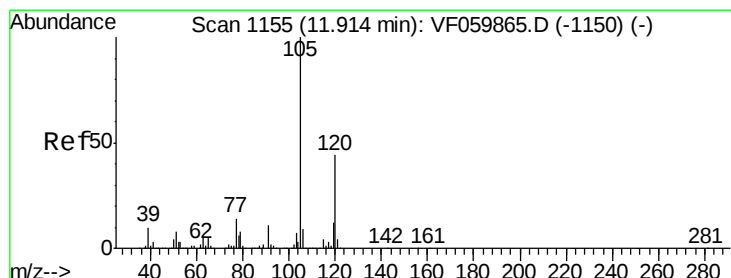
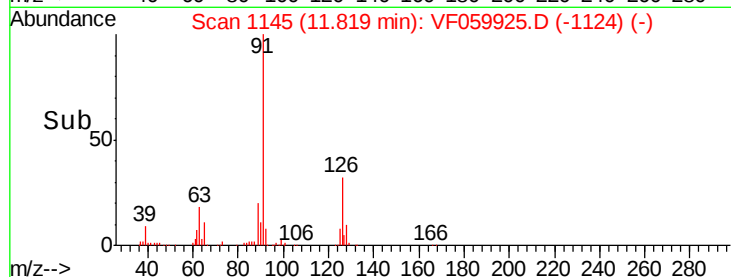
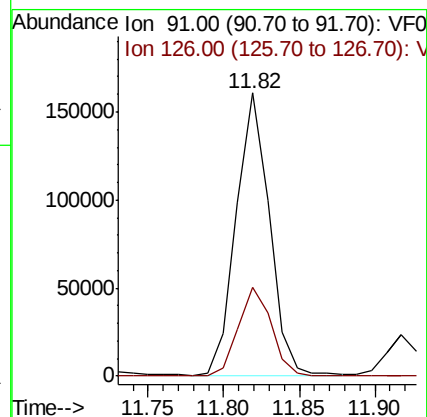
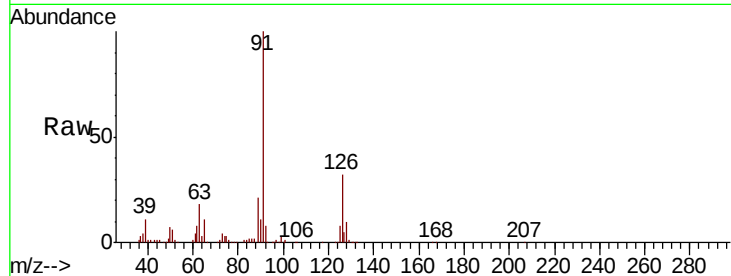
VSTDCCC050

Tot Ion: 91 Resp: 244536

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 52.37 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059925.D

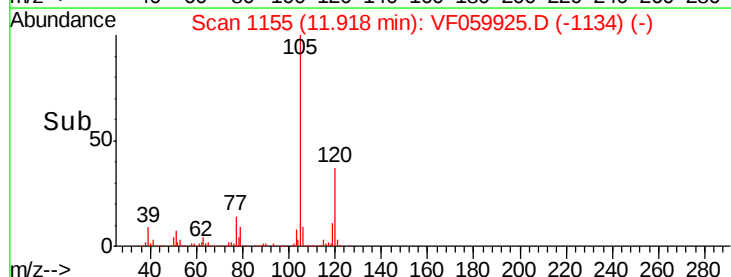
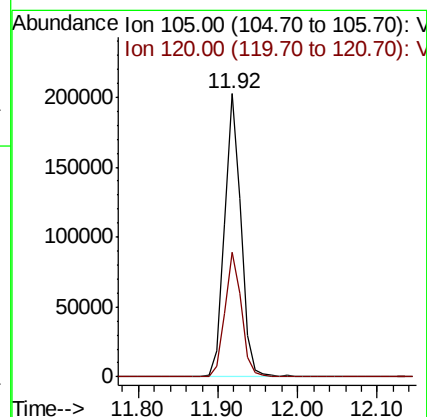
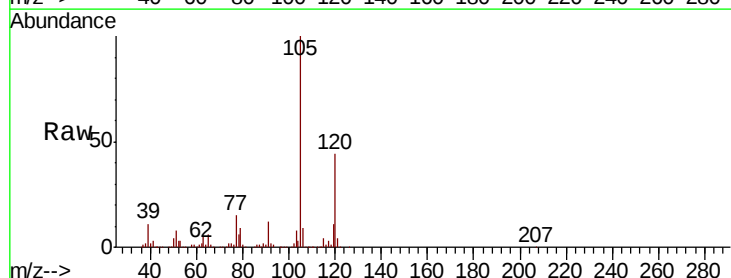
Acq: 8 Aug 2018 11:55

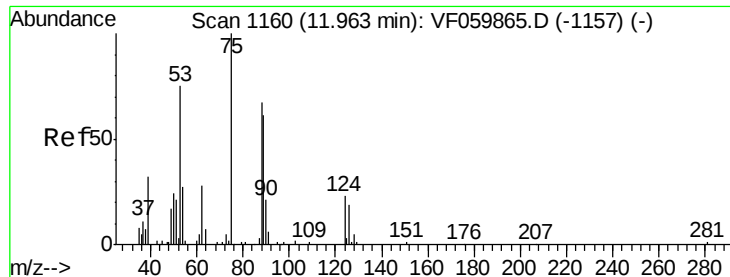
Tgt Ion:105 Resp: 296217

Ion Ratio Lower Upper

105 100

120 43.9 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 77.02 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

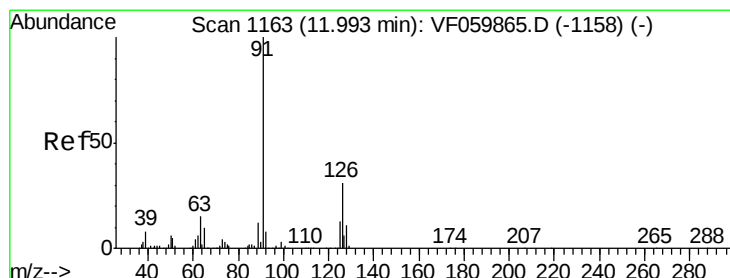
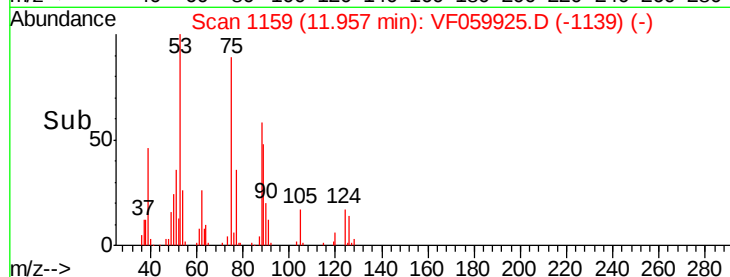
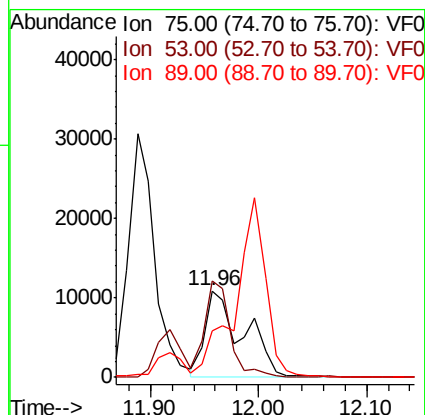
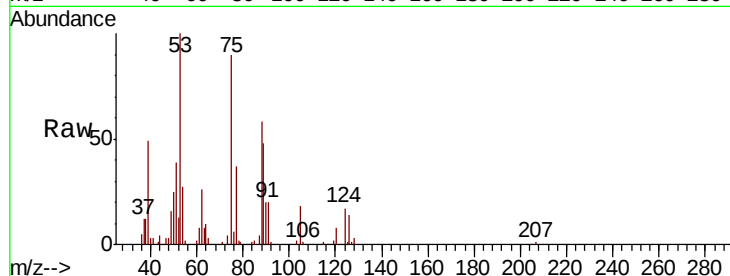
Tot Ion: 75 Resp: 27171

Ion Ratio Lower Upper

75 100

53 111.7 65.9 98.9#

89 53.3 50.6 76.0



#82

4-Chlorotoluene

Concen: 53.56 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059925.D

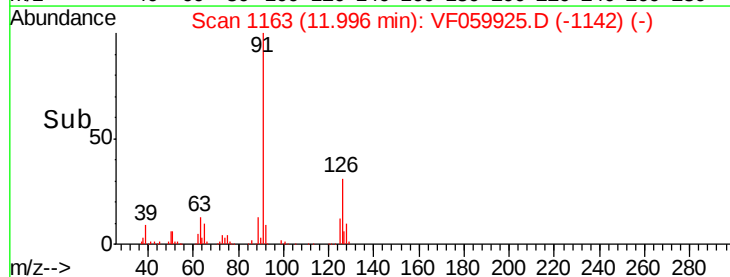
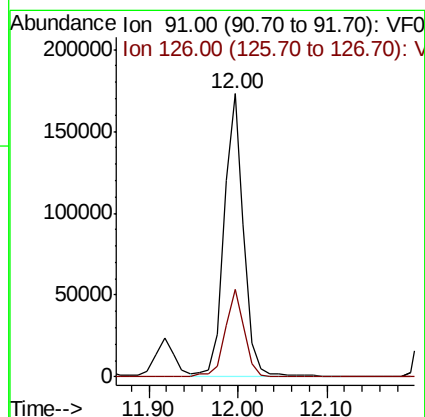
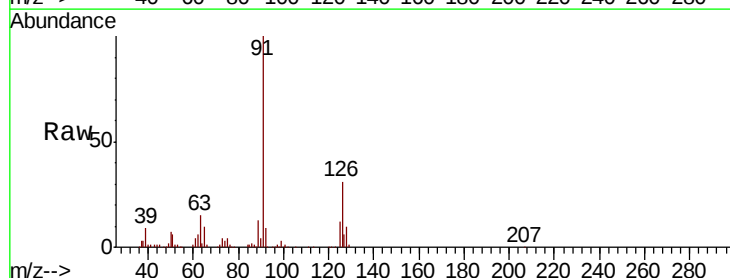
Acq: 8 Aug 2018 11:55

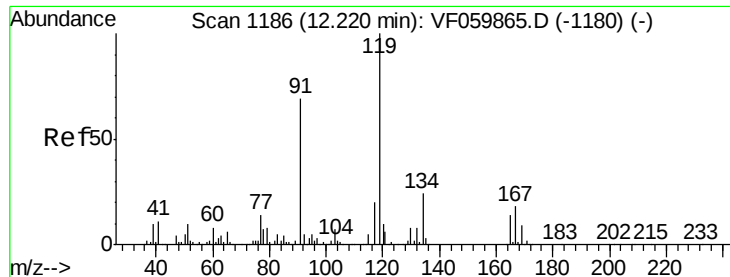
Tgt Ion: 91 Resp: 264613

Ion Ratio Lower Upper

91 100

126 31.0 15.7 47.0

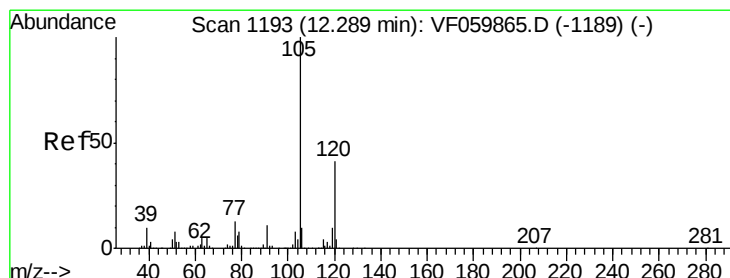
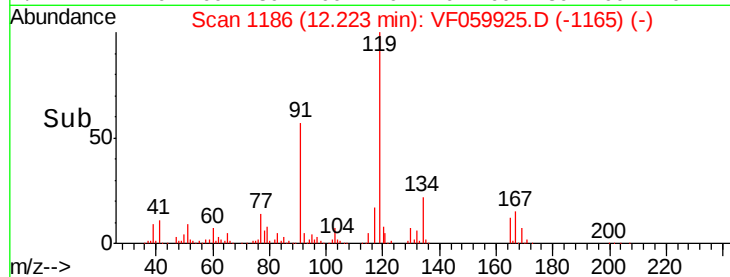
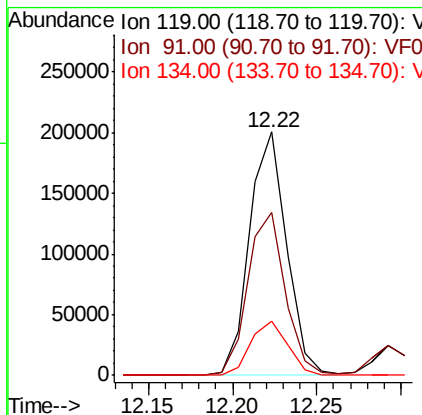
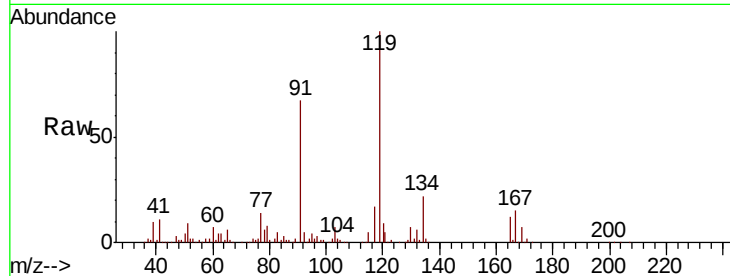




#83
 tert-Butylbenzene
 Concen: 55.84 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

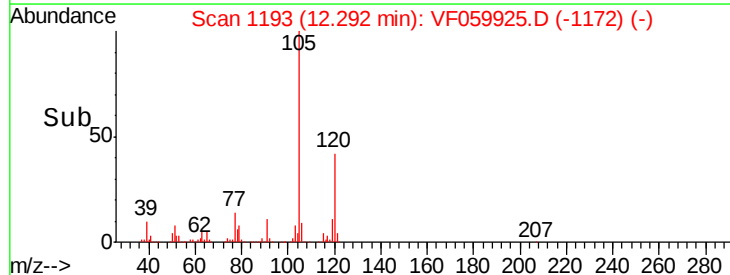
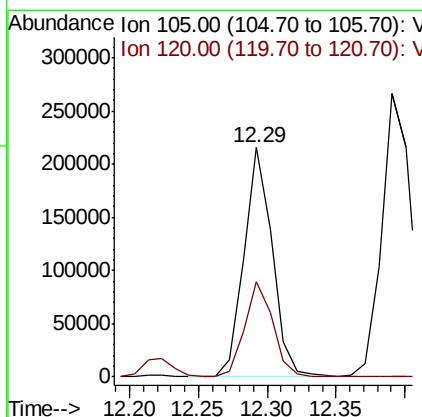
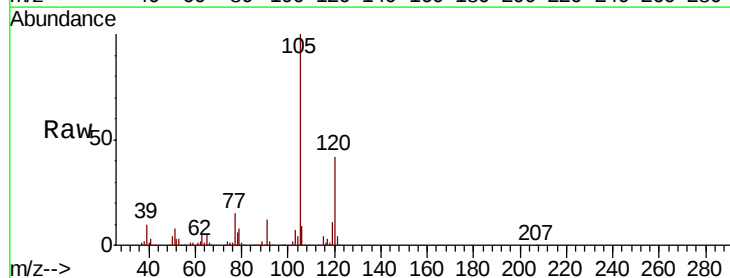
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

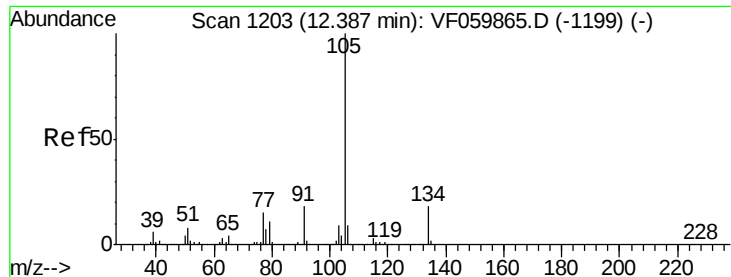
Tot Ion:119 Resp: 307394
 Ion Ratio Lower Upper
 119 100
 91 66.9 34.4 103.2
 134 22.2 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 53.19 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion:105 Resp: 309425
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.8 62.5

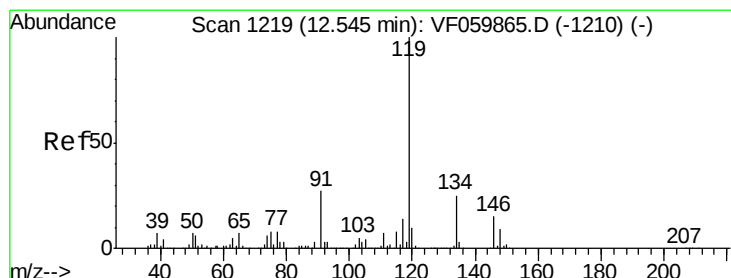
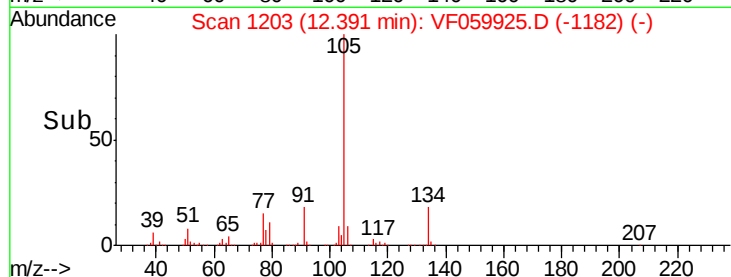
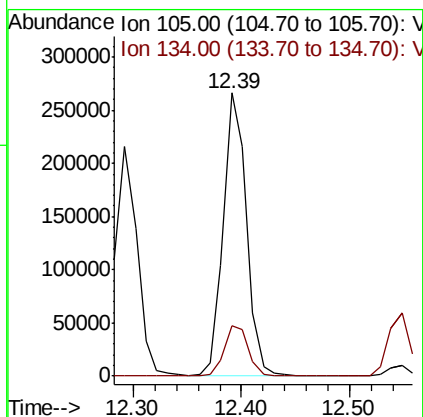
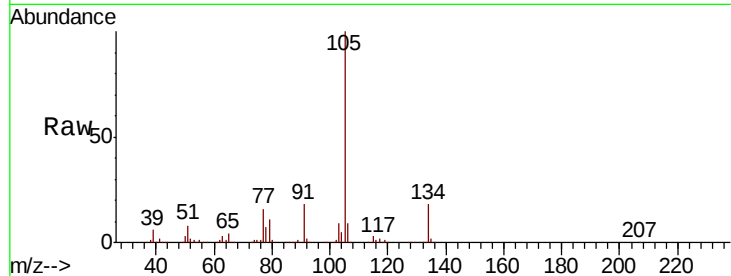




#85
 sec-Butylbenzene
 Concen: 54.44 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

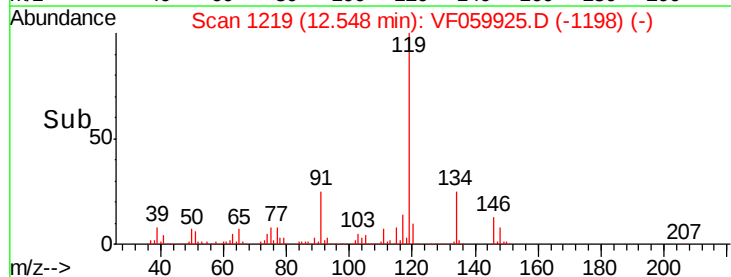
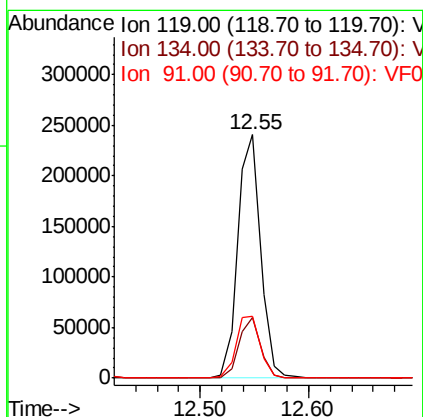
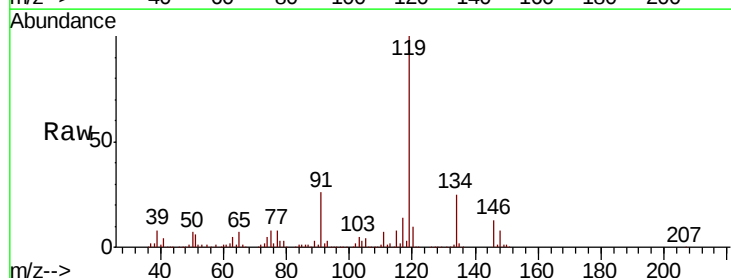
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

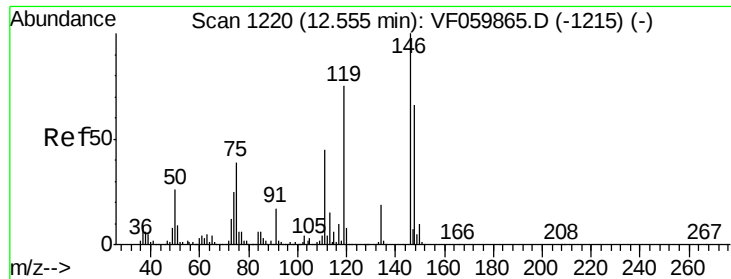
Tot Ion:105 Resp: 398216
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 57.59 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion:119 Resp: 354101
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.4 37.0
 91 25.7 13.6 40.7

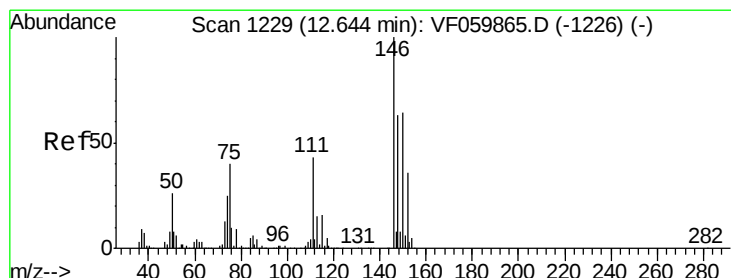
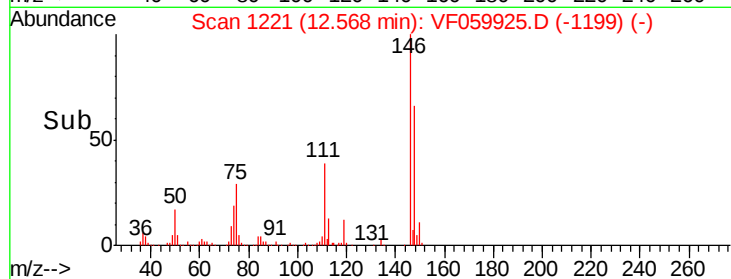
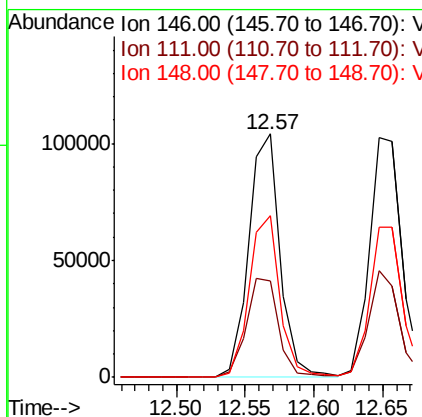
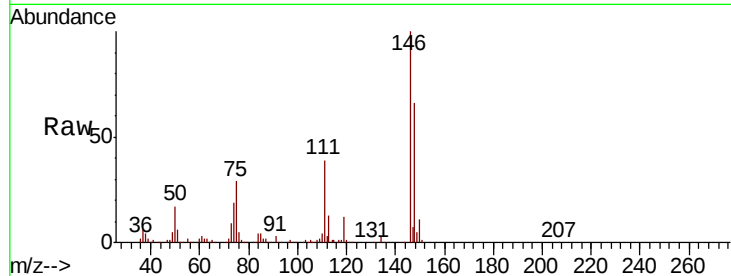




#87
 1,3-Dichlorobenzene
 Concen: 52.75 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

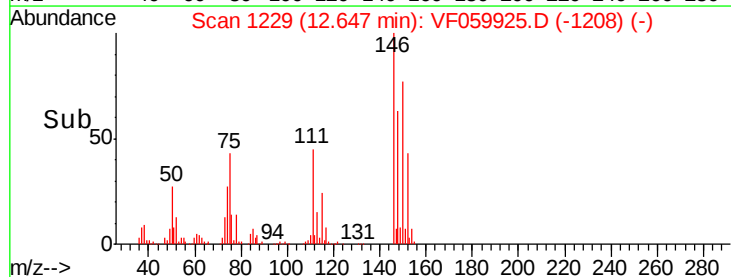
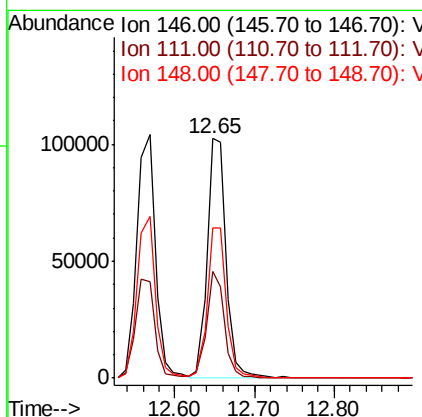
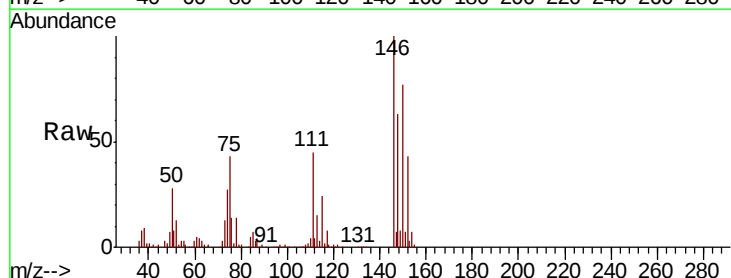
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

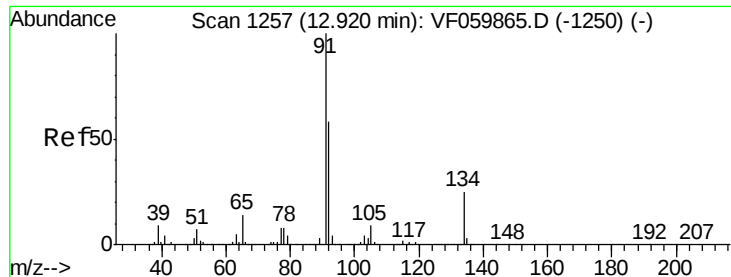
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	22.4	67.0
148	66.5	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 55.27 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.4	64.2
148	62.7	31.6	94.7





#89

n-Butylbenzene

Concen: 55.96 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

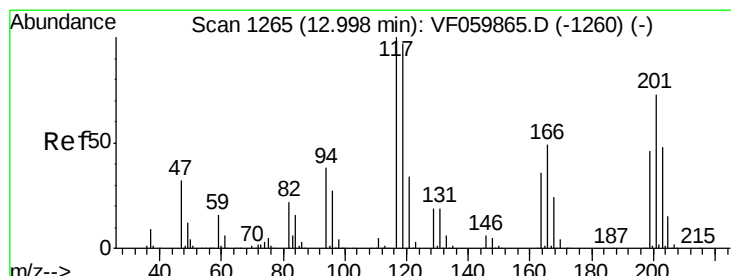
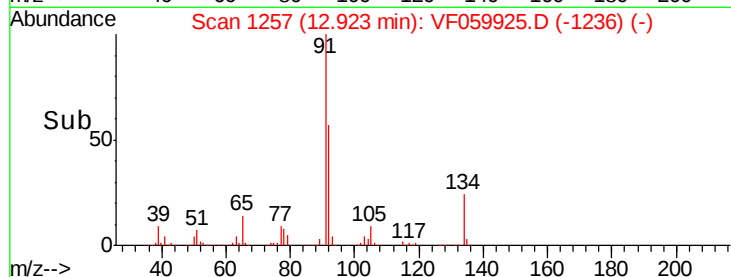
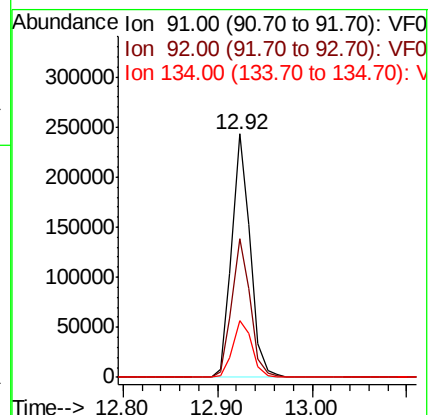
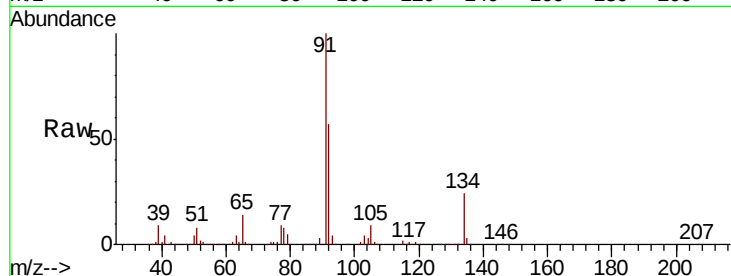
Tot Ion: 91 Resp: 327926

Ion Ratio Lower Upper

91 100

92 57.1 28.8 86.5

134 23.6 12.6 37.6



#90

Hexachloroethane

Concen: 53.25 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059925.D

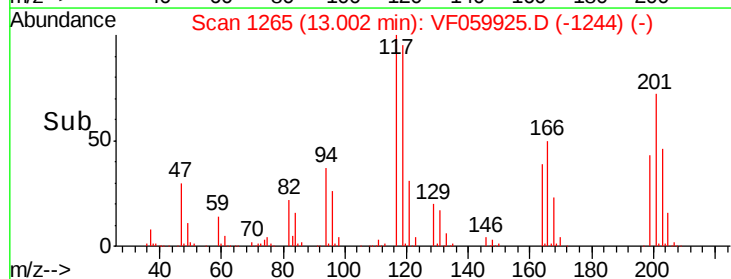
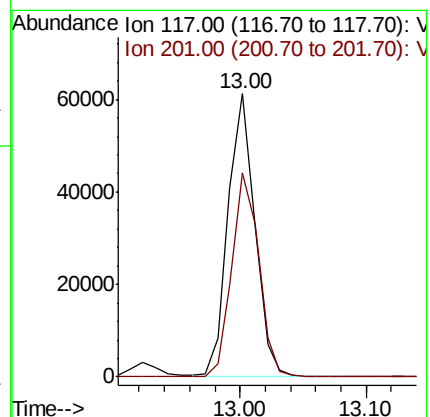
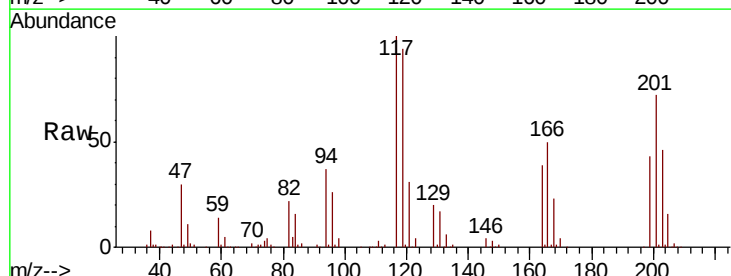
Acq: 8 Aug 2018 11:55

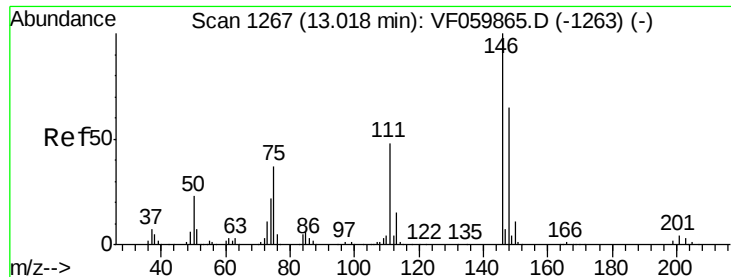
Tgt Ion: 117 Resp: 90348

Ion Ratio Lower Upper

117 100

201 73.6 36.6 109.8





#91

1,2-Dichlorobenzene

Concen: 54.54 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

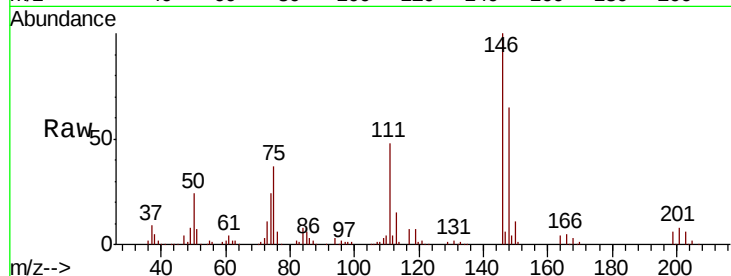
Tot Ion:146 Resp: 164728

Ion Ratio Lower Upper

146 100

111 48.4 24.1 72.2

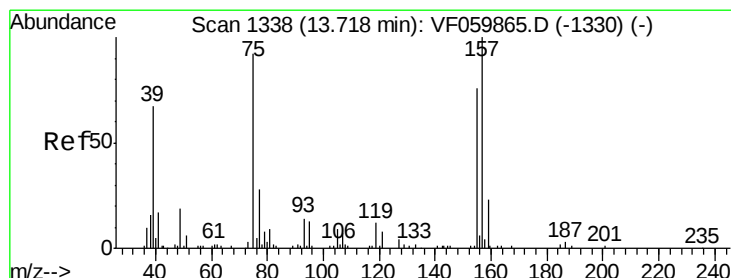
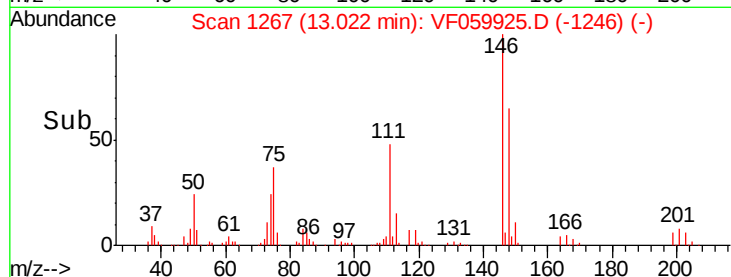
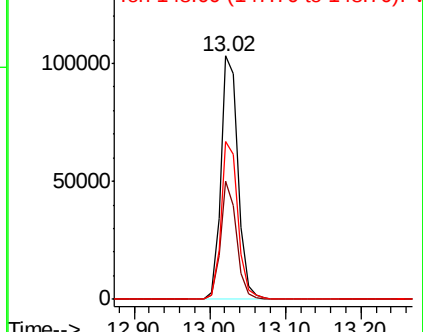
148 65.0 32.8 98.3



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: 57.77 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

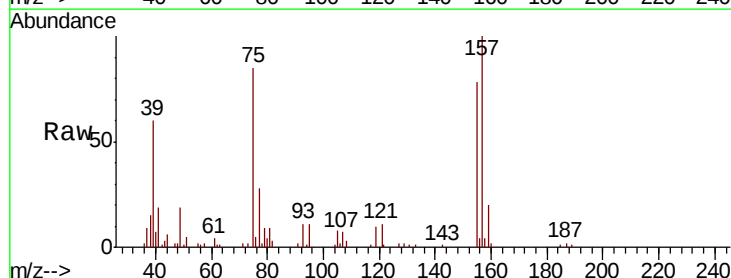
Tgt Ion: 75 Resp: 16654

Ion Ratio Lower Upper

75 100

155 91.9 41.2 123.6

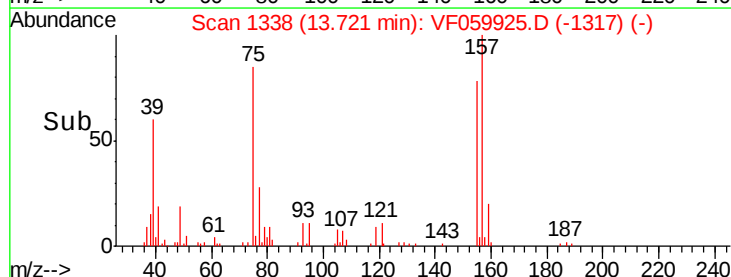
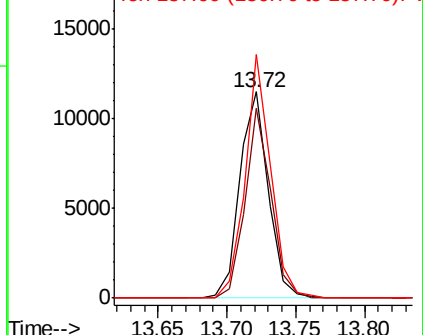
157 118.2 54.5 163.6

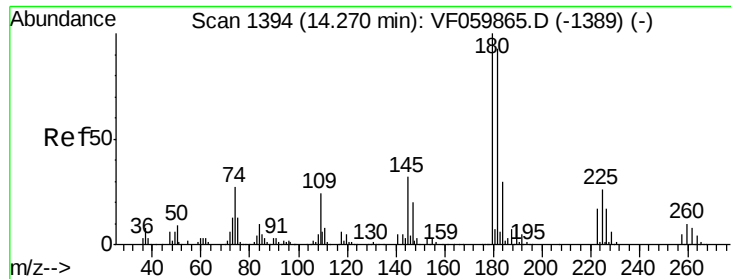


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

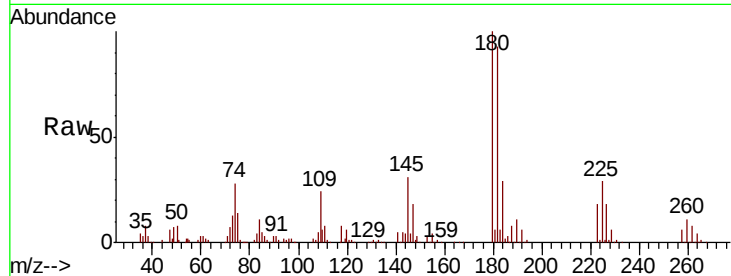




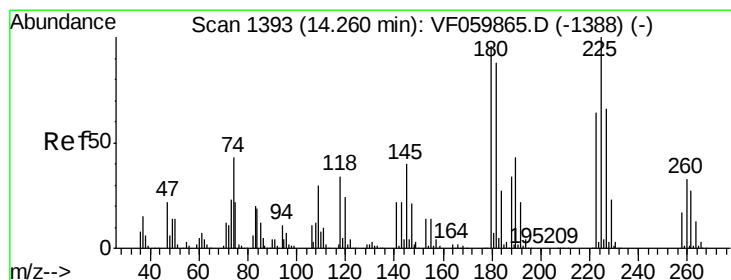
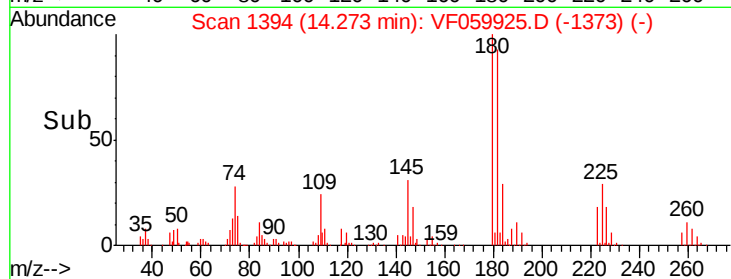
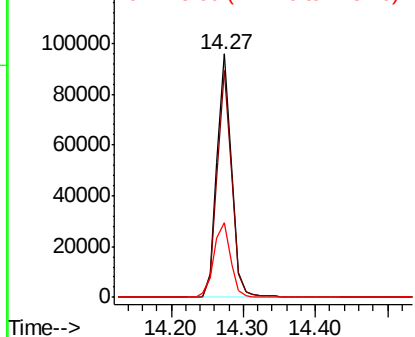
#93
 1,2,4-Trichlorobenzene
 Concen: 57.72 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 132354
 Ion Ratio Lower Upper
 180 100
 182 93.4 46.4 139.2
 145 30.8 15.9 47.7

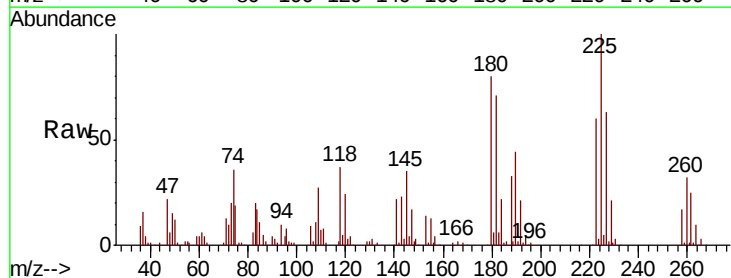


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

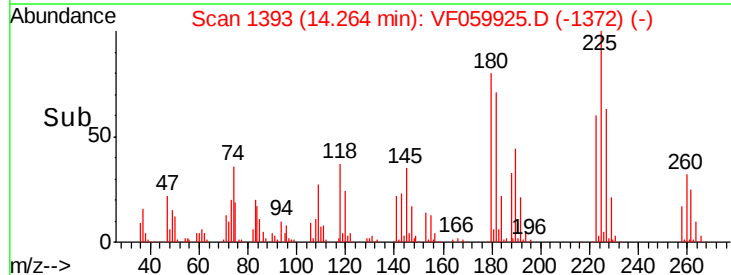
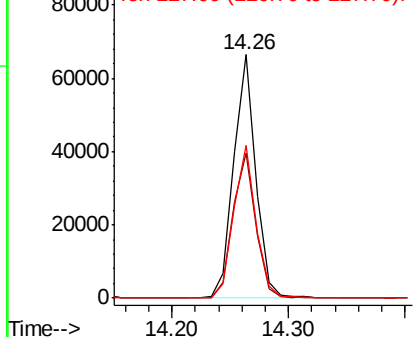


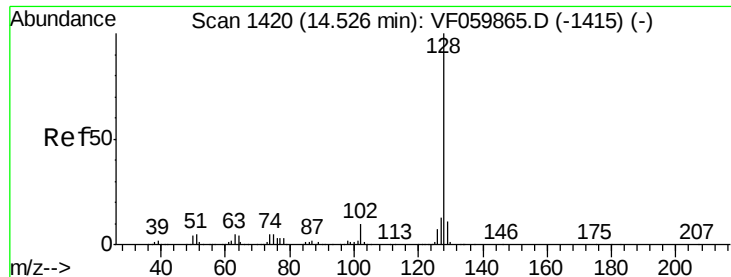
#94
 Hexachlorobutadiene
 Concen: 53.89 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion:225 Resp: 87291
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.9 95.9
 227 62.9 32.8 98.4



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

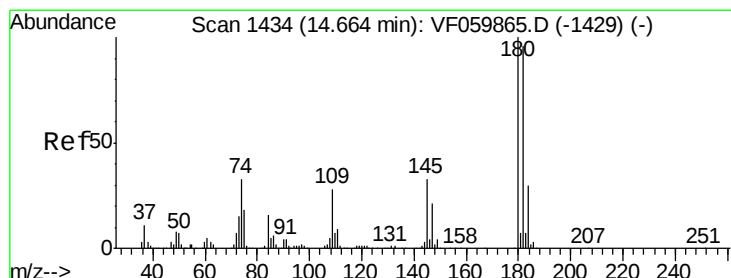
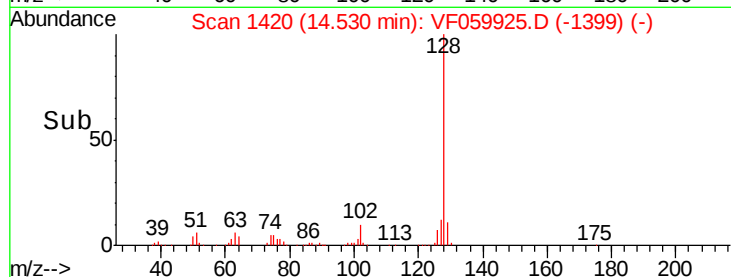
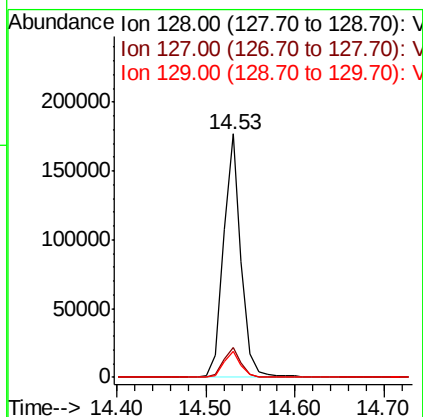
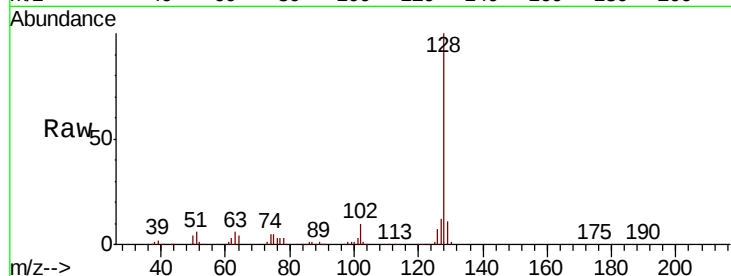




#95
Naphthalene
Concen: 61.50 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	10.7	9.0	13.6



#96
1,2,3-Trichlorobenzene
Concen: 56.10 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.3
145	32.2	16.6	49.8

