

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059966.D
 Acq On : 15 Aug 2018 2:05
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 15 11:04:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	112250	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	166456	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	165772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	106249	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	102270	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	4.31	113	80726	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	7.73	98	175922	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.53	95	100861	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	76159	45.78	ug/l	89
3) Chloromethane	1.10	50	32603	46.00	ug/l	99
4) Vinyl Chloride	1.17	62	37390	45.93	ug/l	96
5) Bromomethane	1.35	94	34745	47.42	ug/l	93
6) Chloroethane	1.44	64	23910	45.24	ug/l	96
7) Trichlorofluoromethane	1.55	101	78285	32.92	ug/l	97
8) Diethyl Ether	1.71	74	16444	50.28	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	54648	45.52	ug/l	93
10) Methyl Iodide	1.98	142	90084	48.08	ug/l #	93
11) Tert butyl alcohol	2.69	59	20691	265.38	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	42086	47.31	ug/l	88
13) Acrolein	2.10	56	11823	254.08	ug/l	96
14) Allyl chloride	2.20	41	61676	48.72	ug/l	97
15) Acrylonitrile	3.09	53	31308	264.88	ug/l	96
16) Acetone	2.35	43	93279	239.46	ug/l	98
17) Carbon Disulfide	1.90	76	103321	45.34	ug/l	99
18) Methyl Acetate	2.46	43	28101	51.88	ug/l #	88
19) Methyl tert-butyl Ether	2.55	73	134107	52.49	ug/l	97
20) Methylene Chloride	2.29	84	18974	19.95	ug/l #	95
21) trans-1,2-Dichloroethene	2.43	96	41728	48.25	ug/l	92
22) Diisopropyl ether	2.94	45	142635	49.00	ug/l	95
23) Vinyl Acetate	3.34	43	383001	265.05	ug/l	98
24) 1,1-Dichloroethane	3.02	63	105753	51.41	ug/l	99
25) 2-Butanone	4.53	43	101836	258.51	ug/l	99
26) 2,2-Dichloropropane	3.78	77	65441	48.90	ug/l	91
27) cis-1,2-Dichloroethene	3.65	96	50979	53.35	ug/l	93
28) Bromochloromethane	3.92	49	41171	53.73	ug/l	87
29) Tetrahydrofuran	4.27	42	36980	273.29	ug/l	97
30) Chloroform	4.05	83	148367	52.52	ug/l	94
31) Cyclohexane	3.89	56	49998	48.60	ug/l #	79
32) 1,1,1-Trichloroethane	4.30	97	117473	50.58	ug/l	98
36) 1,1-Dichloropropene	4.48	75	85681	46.34	ug/l	93
37) Ethyl Acetate	4.31	43	38638	48.83	ug/l	85
38) Carbon Tetrachloride	4.19	117	137070	44.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	62737	46.67	µg/l	97
40) Benzene	4.83	78	146392	46.77	µg/l	99
41) Methacrylonitrile	4.94	41	19814	50.77	µg/l #	84
42) 1,2-Dichloroethane	5.14	62	124432	50.04	µg/l	94
43) Isopropyl Acetate	7.13	43	43520	50.45	µg/l	92
44) Trichloroethene	5.70	130	57084	47.38	µg/l	99
45) 1,2-Dichloropropane	6.43	63	41405	50.02	µg/l	92
46) Dibromomethane	6.27	93	39011	47.76	µg/l	94
47) Bromodichloromethane	6.57	83	114431	48.55	µg/l	96
48) Methyl methacrylate	6.89	41	32841	51.11	µg/l	90
49) 1,4-Dioxane	6.88	88	4692	965.77	µg/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	211731	253.38	µg/l	97
52) Toluene	7.80	92	111825	48.23	µg/l	92
53) t-1,3-Dichloropropene	8.45	75	93731	48.62	µg/l	97
54) cis-1,3-Dichloropropene	7.47	75	92566	49.89	µg/l	94
55) 1,1,2-Trichloroethane	8.66	97	39242	49.53	µg/l	98
56) Ethyl methacrylate	8.78	69	43755	51.41	µg/l	96
57) 1,3-Dichloropropane	9.02	76	70669	48.42	µg/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	27651	241.50	µg/l	100
59) 2-Hexanone	9.65	43	149954	246.02	µg/l	94
60) Dibromochloromethane	8.88	129	78532	50.09	µg/l	96
61) 1,2-Dibromoethane	9.16	107	51583	52.19	µg/l	98
64) Tetrachloroethene	8.32	164	63147	48.93	µg/l	98
65) Chlorobenzene	9.96	112	155602	48.59	µg/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	74778	48.32	µg/l	97
67) Ethyl Benzene	10.06	91	275222	48.66	µg/l	97
68) m/p-Xylenes	10.28	106	179914	94.59	µg/l	95
69) o-Xylene	10.85	106	101357	49.07	µg/l	99
70) Styrene	10.91	104	148061	48.45	µg/l	98
71) Bromoform	10.90	173	47778	49.66	µg/l	97
73) Isopropylbenzene	11.24	105	333916	49.97	µg/l	99
74) N-amyl acetate	11.48	43	77498	52.62	µg/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	56551	50.34	µg/l	97
76) 1,2,3-Trichloropropane	11.90	75	50176	51.81	µg/l	91
77) Bromobenzene	11.61	156	84471	48.17	µg/l	94
78) n-propylbenzene	11.70	91	377056	48.09	µg/l	98
79) 2-Chlorotoluene	11.83	91	235541	47.94	µg/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	298011	47.89	µg/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	28413	71.79	µg/l	89
82) 4-Chlorotoluene	12.00	91	244489	45.10	µg/l	96
83) tert-Butylbenzene	12.23	119	301902	49.25	µg/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	314032	50.07	µg/l	97
85) sec-Butylbenzene	12.40	105	386129	49.44	µg/l	98
86) p-Isopropyltoluene	12.55	119	346778	50.40	µg/l	98
87) 1,3-Dichlorobenzene	12.57	146	159800	48.05	µg/l	98
88) 1,4-Dichlorobenzene	12.66	146	161314	49.26	µg/l	99
89) n-Butylbenzene	12.94	91	319957	48.28	µg/l	99
90) Hexachloroethane	13.00	117	81056	47.59	µg/l	80
91) 1,2-Dichlorobenzene	13.03	146	155694	48.26	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15173	49.85	µg/l	91

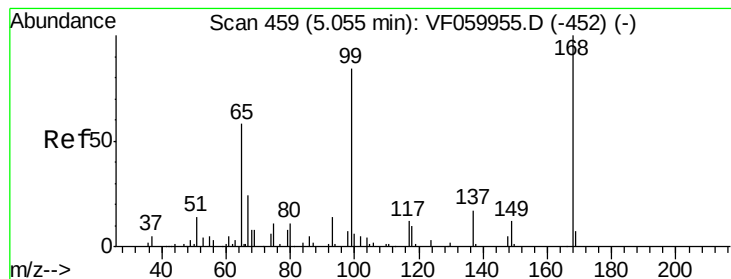
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	128706	49.78	ug/l	93
94) Hexachlorobutadiene	14.27	225	87551	47.36	ug/l	96
95) Naphthalene	14.53	128	218669	51.80	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	125636	50.92	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

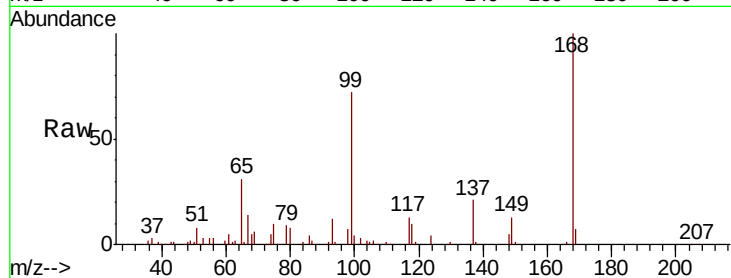
VSTDCCC050EC

Tot Ion:168 Resp: 112250

Ion Ratio Lower Upper

168 100

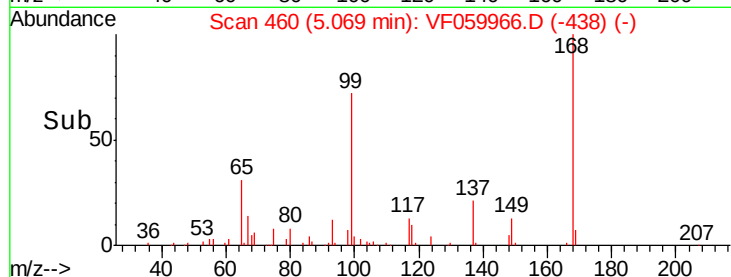
99 72.0 67.4 101.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Time-->

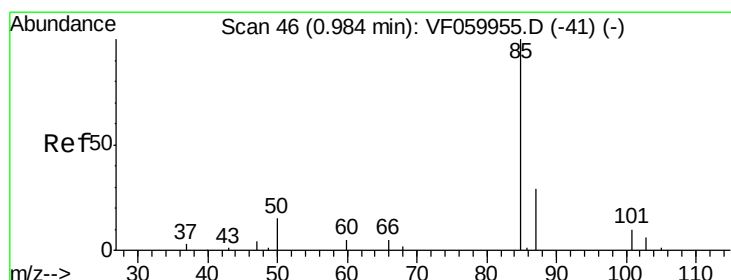


Abundance

Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.78 ug/l

RT: 1.00 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059966.D

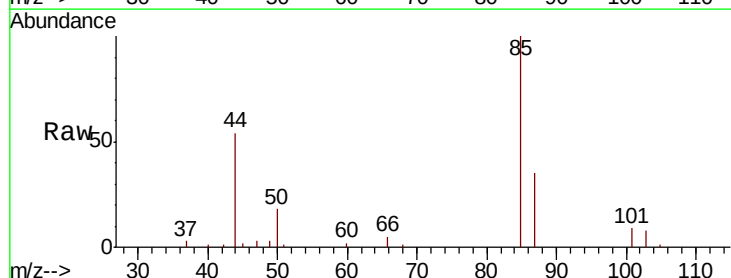
Acq: 15 Aug 2018 2:05

Tgt Ion: 85 Resp: 76159

Ion Ratio Lower Upper

85 100

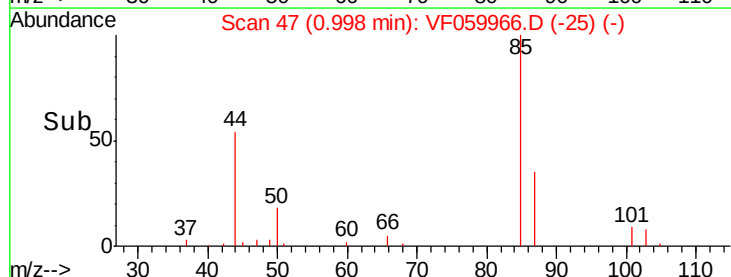
87 34.5 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Time-->

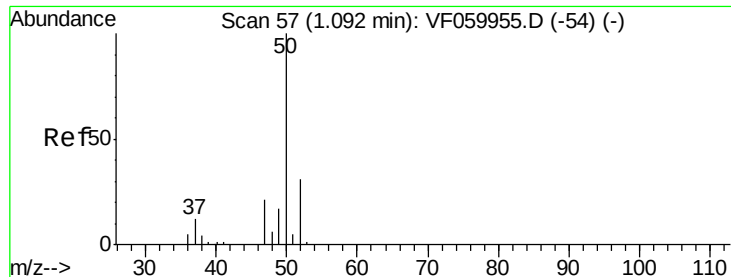


Abundance

Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Time-->



#3

Chloromethane

Concen: 46.00 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

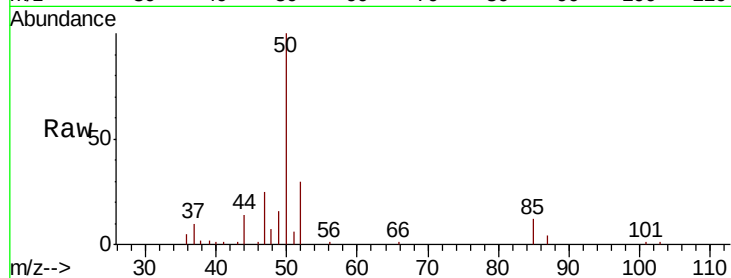
VSTDCCC050EC

Tot Ion: 50 Resp: 32603

Ion Ratio Lower Upper

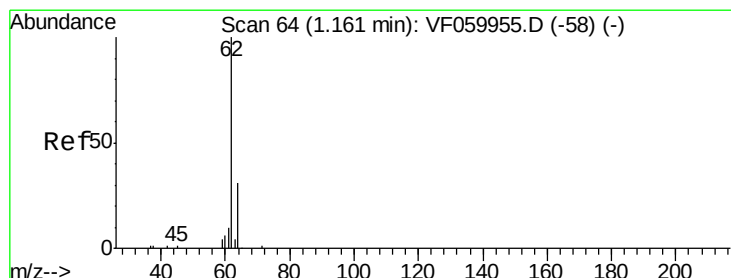
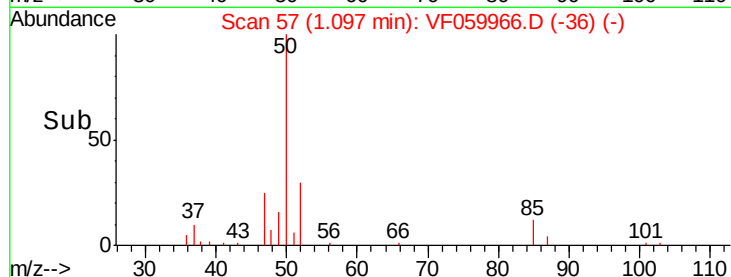
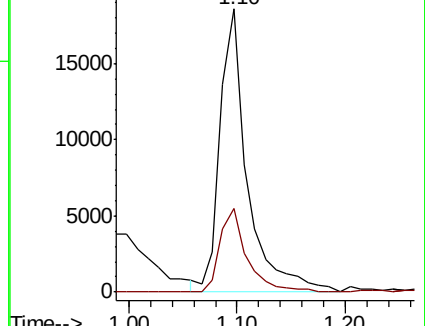
50 100

52 29.8 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.93 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059966.D

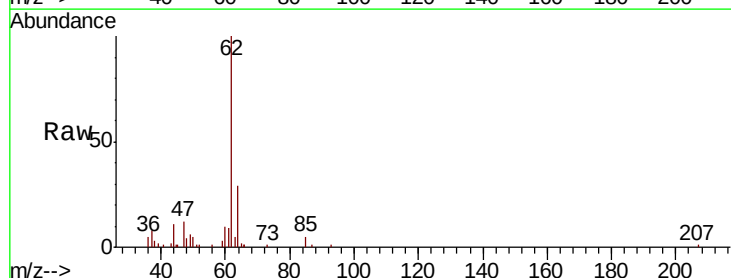
Acq: 15 Aug 2018 2:05

Tgt Ion: 62 Resp: 37390

Ion Ratio Lower Upper

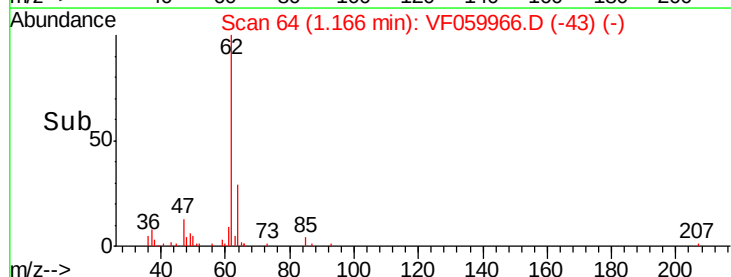
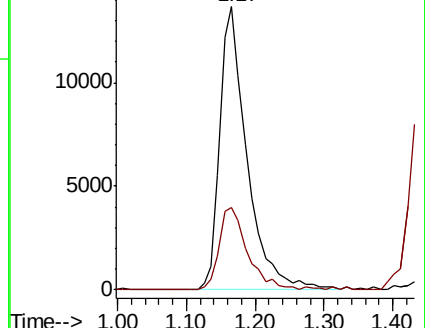
62 100

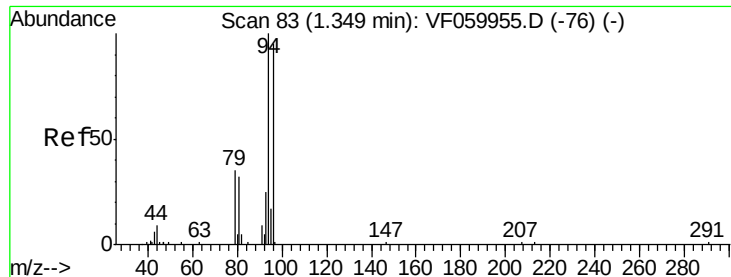
64 29.0 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 47.42 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

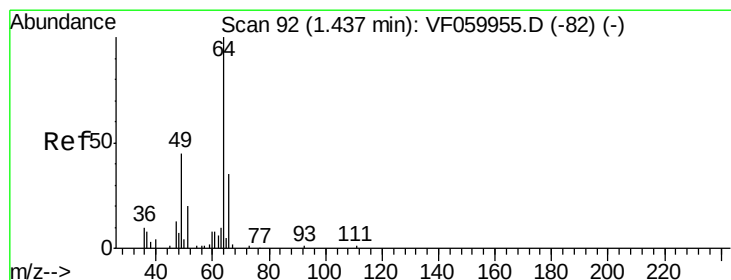
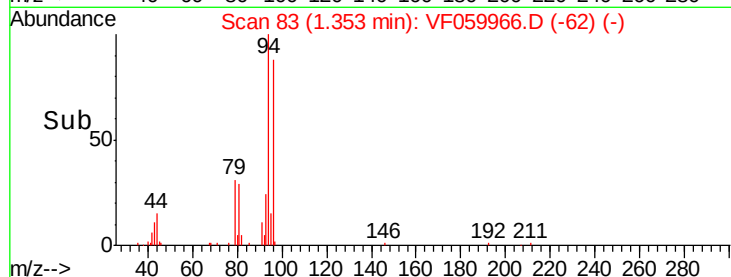
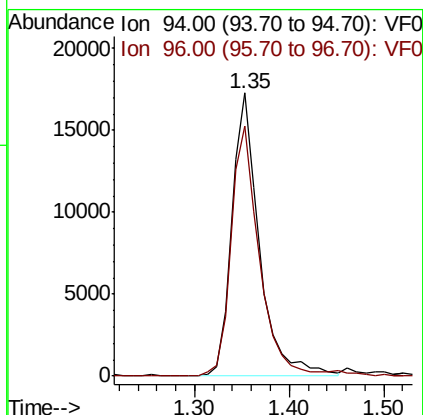
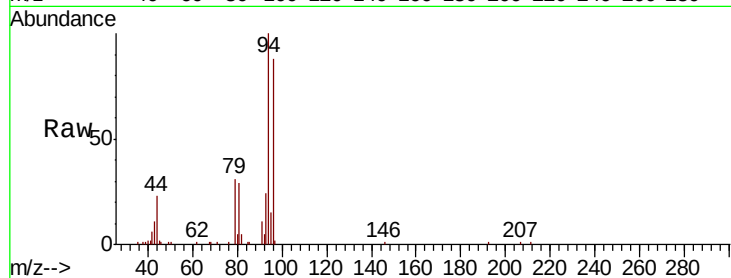
VSTDCCC050EC

Tot Ion: 94 Resp: 34745

Ion Ratio Lower Upper

94 100

96 88.5 76.3 114.5



#6

Chloroethane

Concen: 45.24 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059966.D

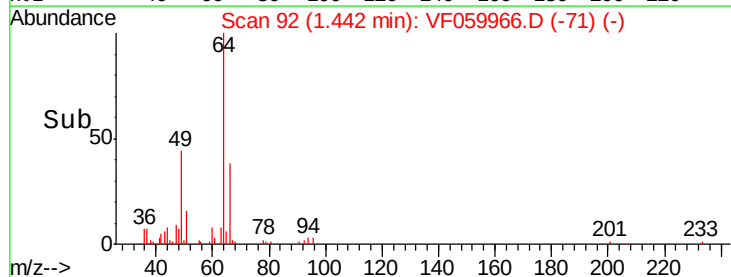
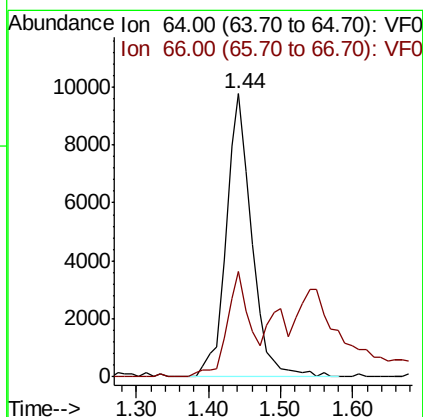
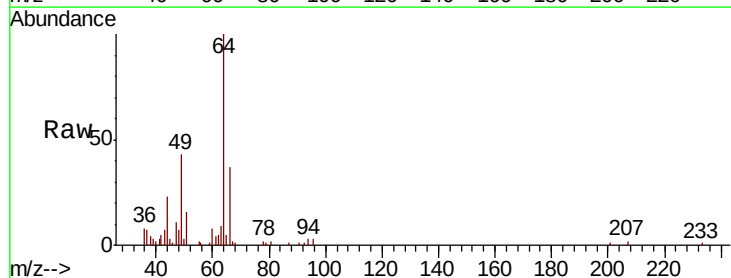
Acq: 15 Aug 2018 2:05

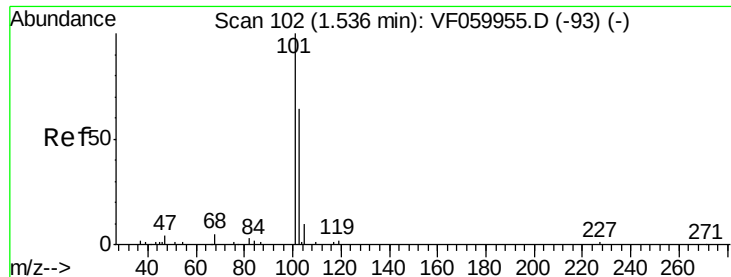
Tgt Ion: 64 Resp: 23910

Ion Ratio Lower Upper

64 100

66 37.4 28.2 42.2



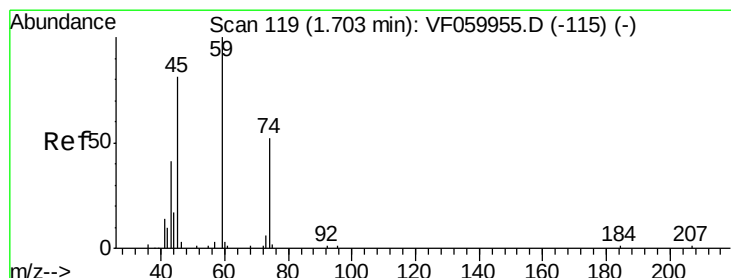
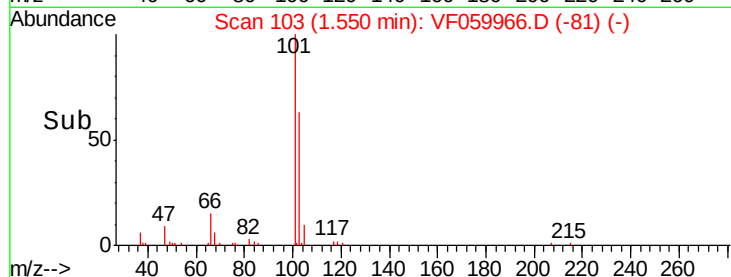
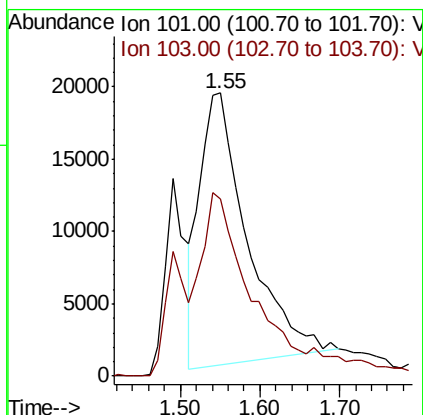
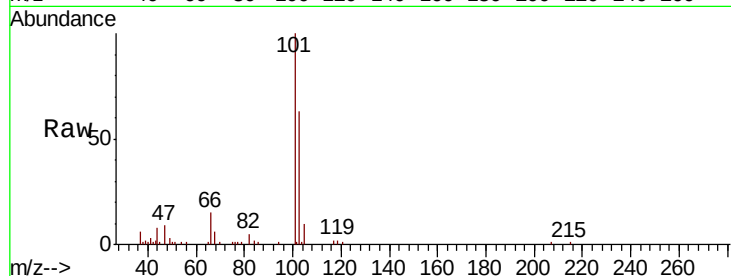


#7

Trichlorofluoromethane
 Concen: 32.92 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

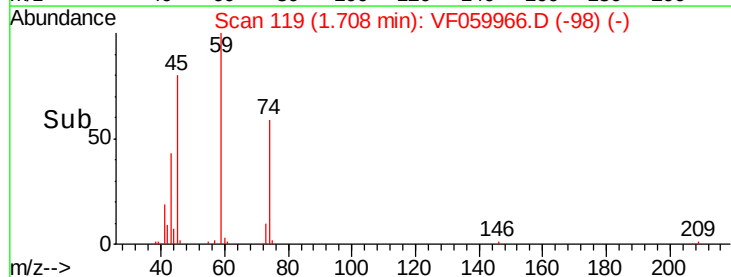
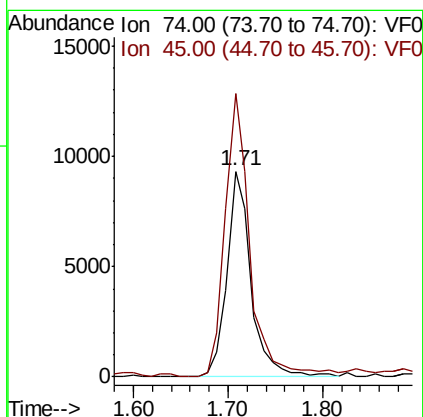
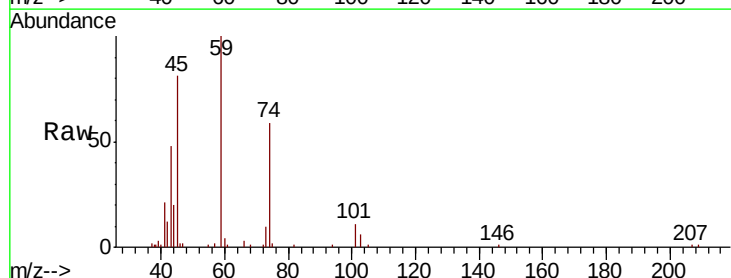
Tot Ion:101 Resp: 78285
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.6 77.4

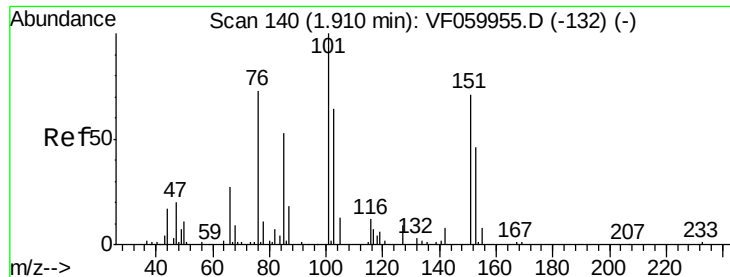


#8

Diethyl Ether
 Concen: 50.28 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 74 Resp: 16444
 Ion Ratio Lower Upper
 74 100
 45 137.7 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.52 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

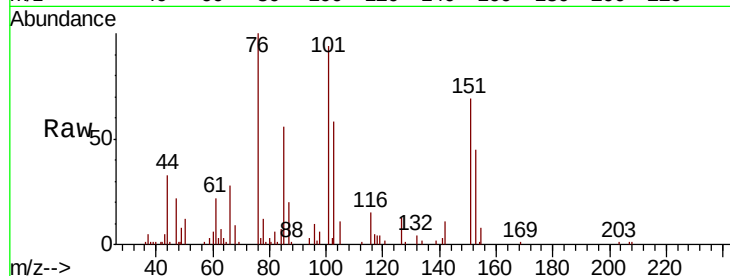
Tot Ion:101 Resp: 54648

Ion Ratio Lower Upper

101 100

85 59.6 42.1 63.1

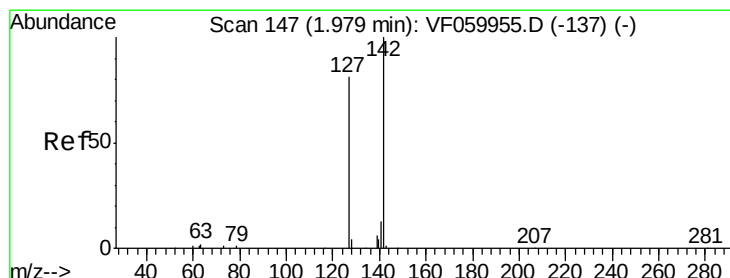
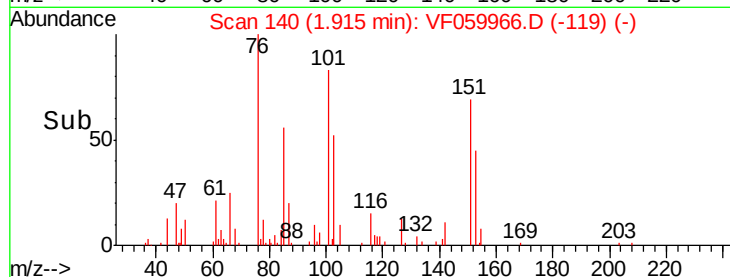
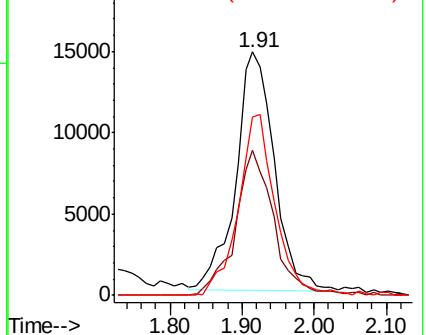
151 73.4 55.4 83.0



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: 48.08 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

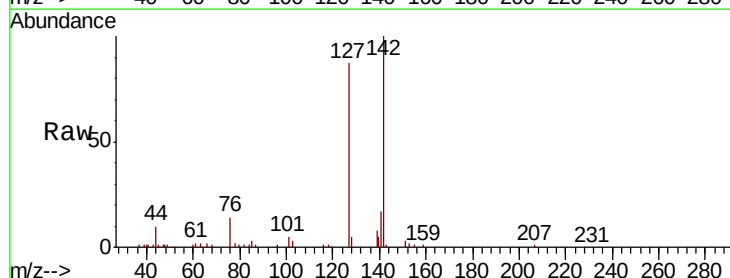
Tgt Ion:142 Resp: 90084

Ion Ratio Lower Upper

142 100

127 86.7 64.5 96.7

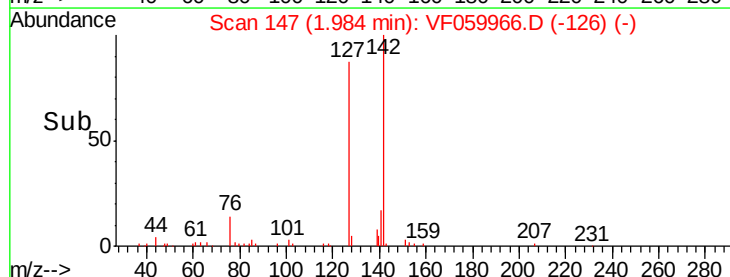
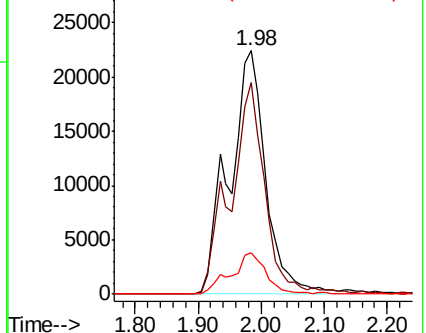
141 16.9 10.8 16.2#

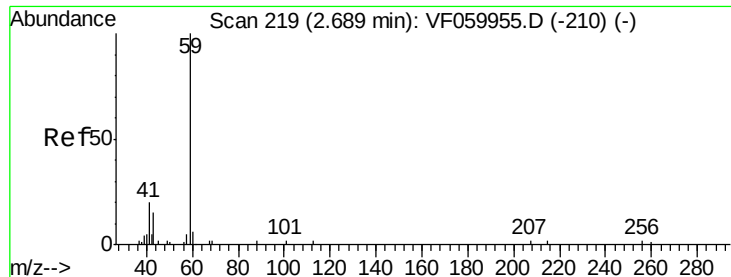


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



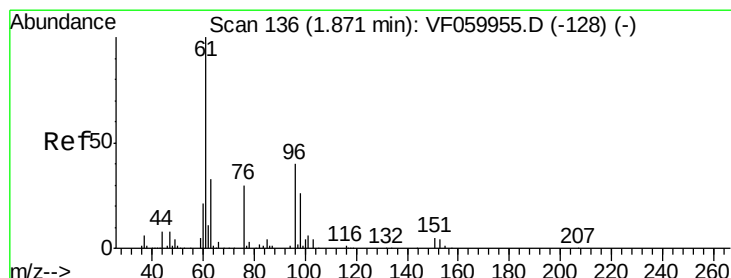
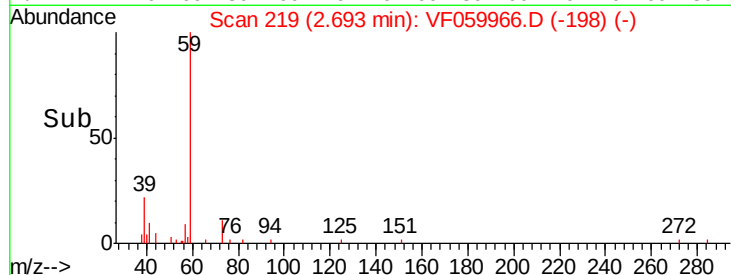
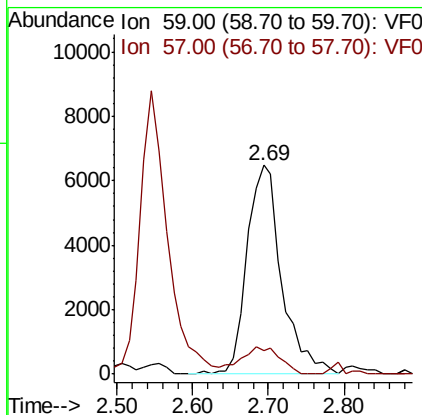
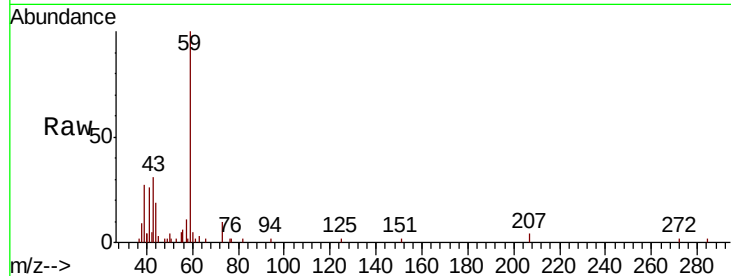


#11

Tert butyl alcohol
 Concen: 265.38 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

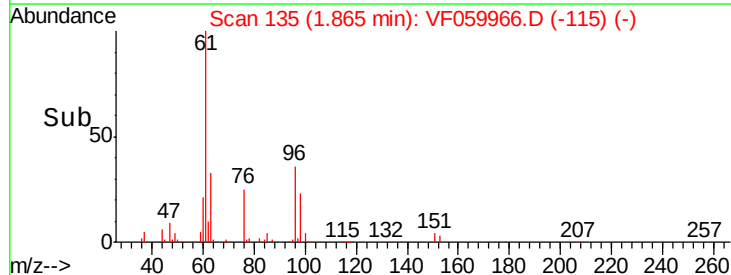
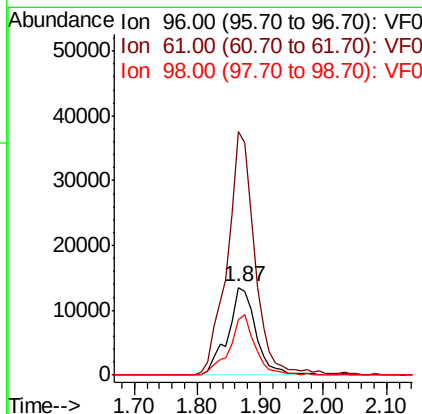
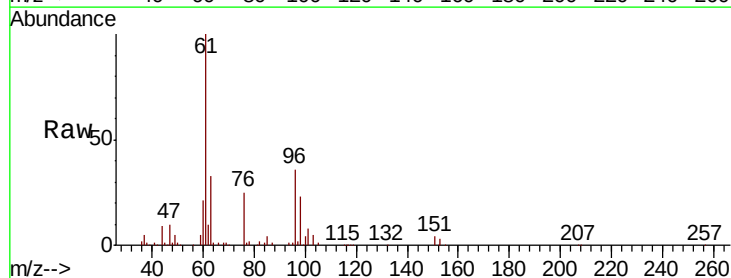
Tot Ion: 59 Resp: 20691
 Ion Ratio Lower Upper
 59 100
 57 11.4 12.0 18.0#

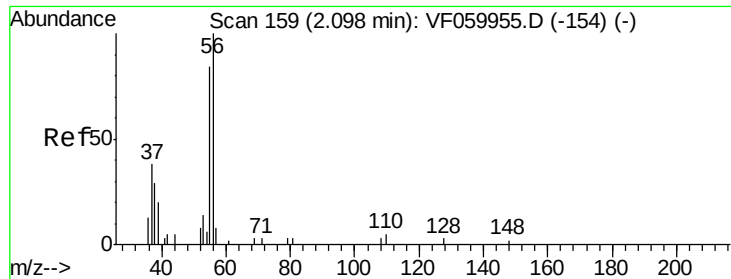


#12

1,1-Dichloroethene
 Concen: 47.31 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 96 Resp: 42086
 Ion Ratio Lower Upper
 96 100
 61 277.4 201.0 301.4
 98 63.6 51.9 77.9





#13

Acrolein

Concen: 254.08 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

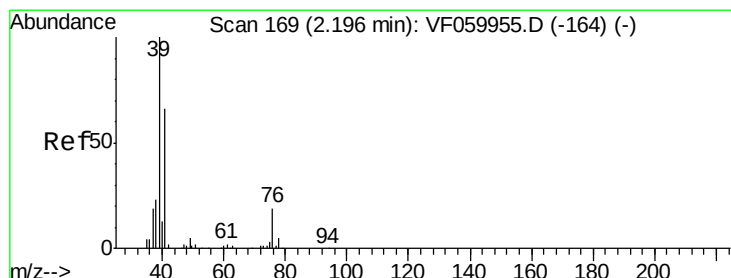
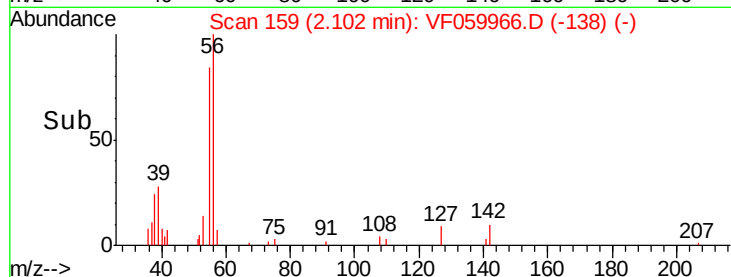
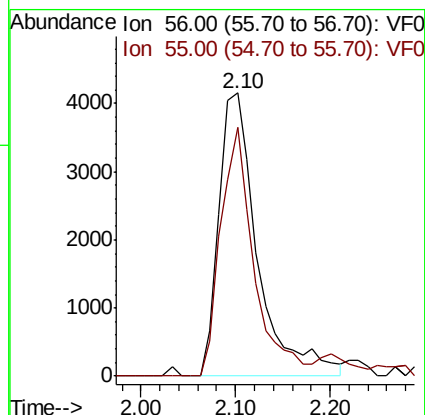
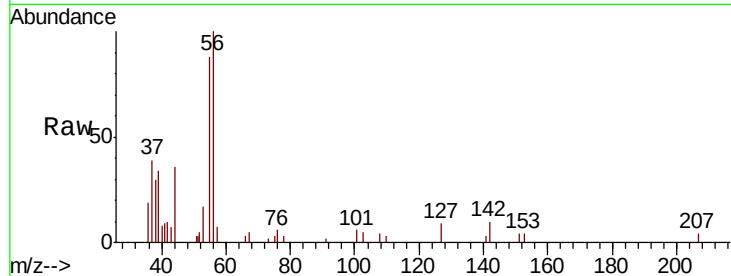
VSTDCCC050EC

Tot Ion: 56 Resp: 11823

Ion Ratio Lower Upper

56 100

55 87.8 67.4 101.2



#14

Allyl chloride

Concen: 48.72 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

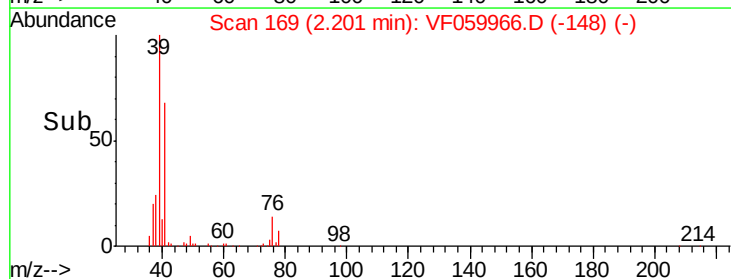
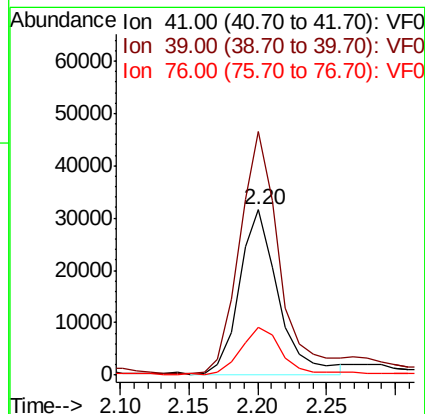
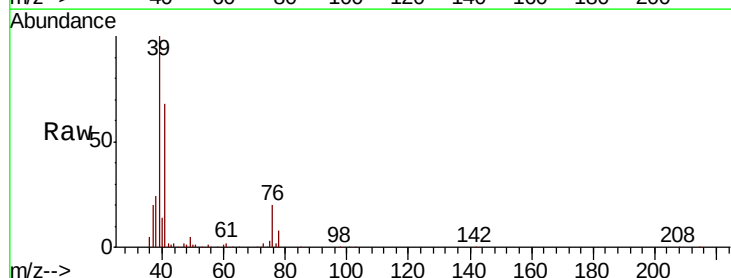
Tgt Ion: 41 Resp: 61676

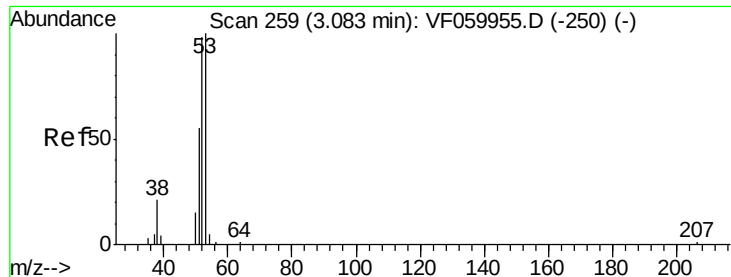
Ion Ratio Lower Upper

41 100

39 147.2 121.0 181.4

76 29.1 23.6 35.4





#15

Acrylonitrile

Concen: 264.88 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

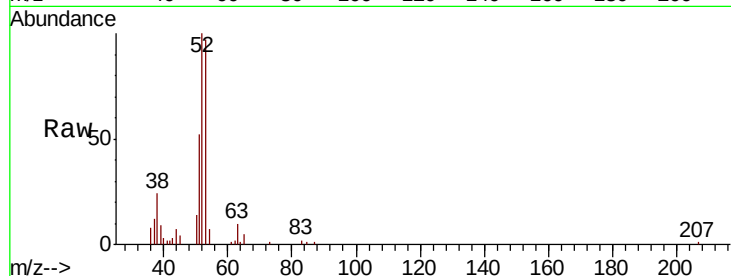
Tot Ion: 53 Resp: 31308

Ion Ratio Lower Upper

53 100

52 102.8 78.1 117.1

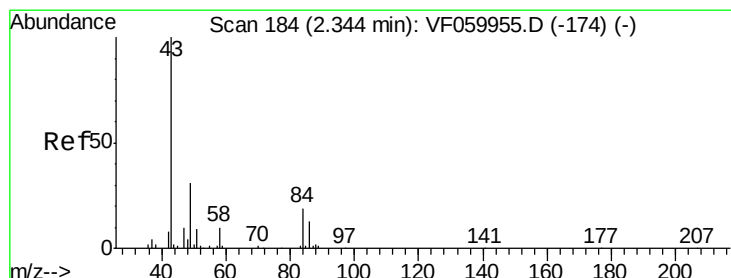
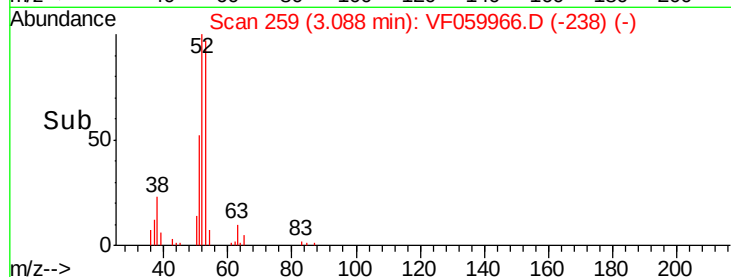
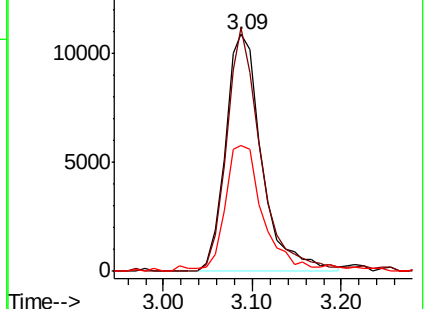
51 53.4 44.2 66.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 239.46 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059966.D

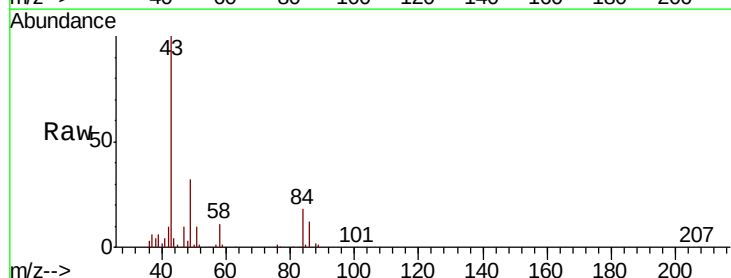
Acq: 15 Aug 2018 2:05

Tgt Ion: 43 Resp: 93279

Ion Ratio Lower Upper

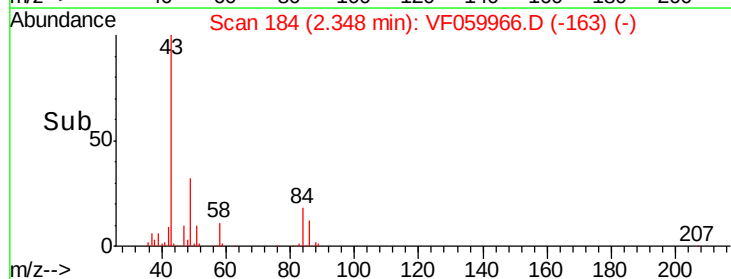
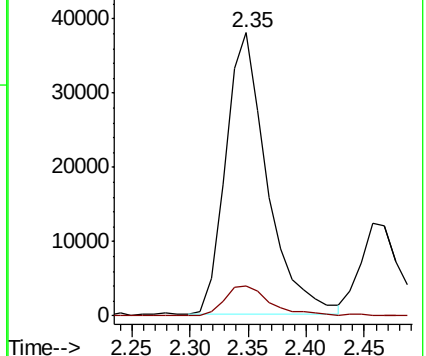
43 100

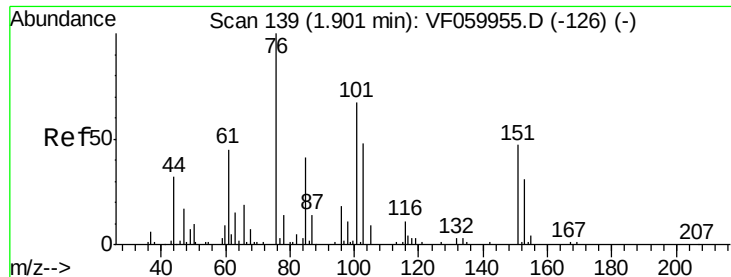
58 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

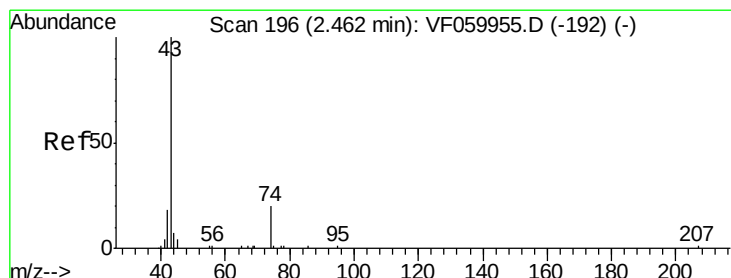
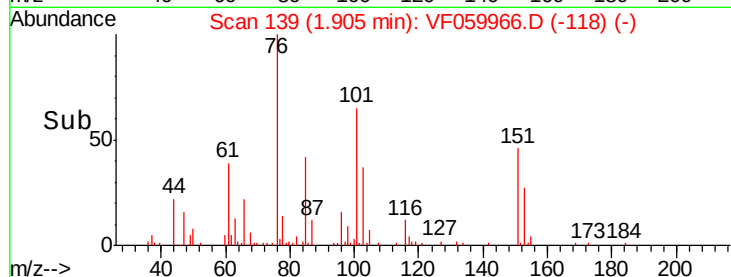
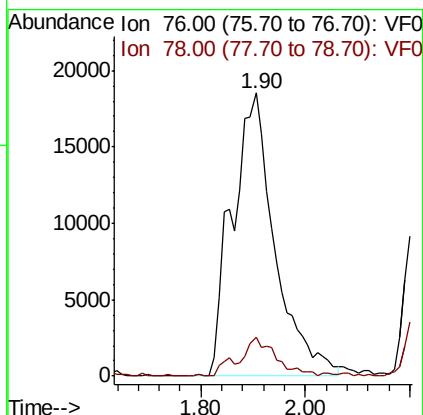
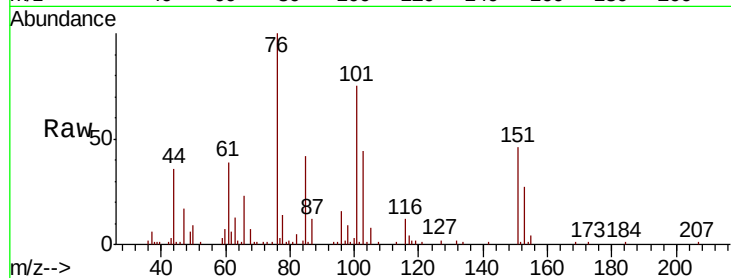




#17
Carbon Disulfide
Concen: 45.34 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

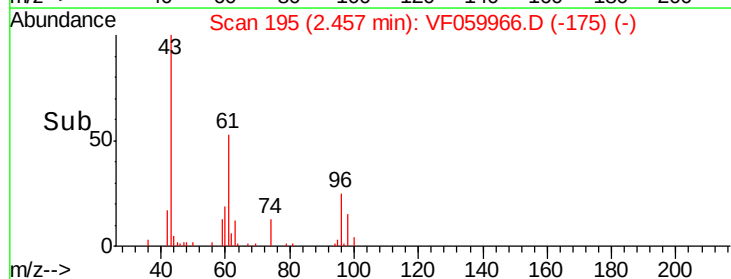
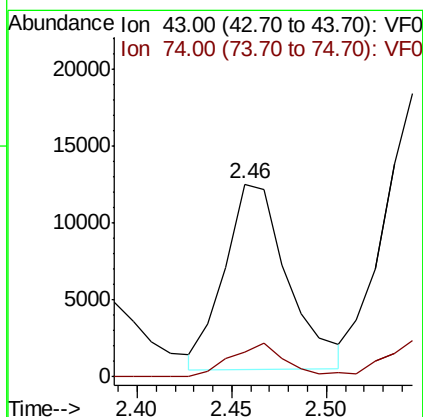
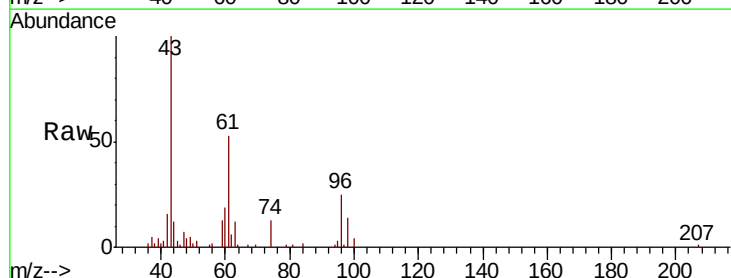
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

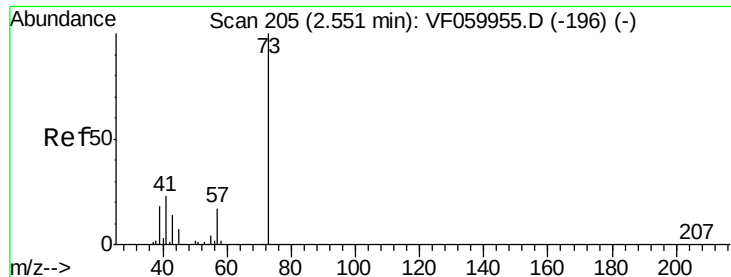
Tot Ion: 76 Resp: 103321
Ion Ratio Lower Upper
76 100
78 13.6 11.4 17.0



#18
Methyl Acetate
Concen: 51.88 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 43 Resp: 28101
Ion Ratio Lower Upper
43 100
74 12.7 14.3 21.5#





#19

Methyl tert-butyl Ether

Concen: 52.49 ug/l

RT: 2.55 min Scan# 204

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

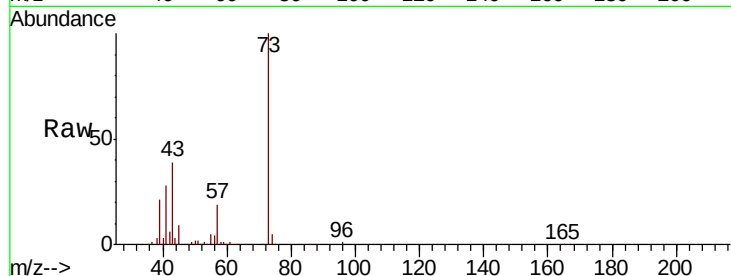
VSTDCCC050EC

Tot Ion: 73 Resp: 134107

Ion Ratio Lower Upper

73 100

57 18.9 14.0 21.0



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

50000

40000

30000

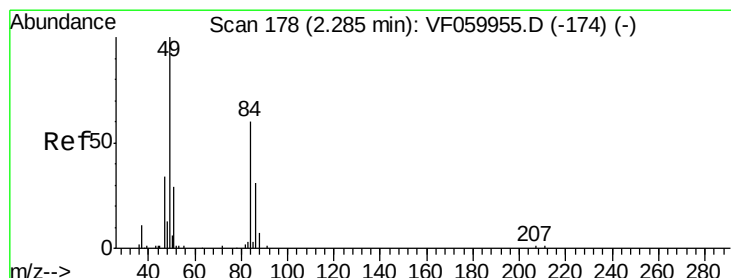
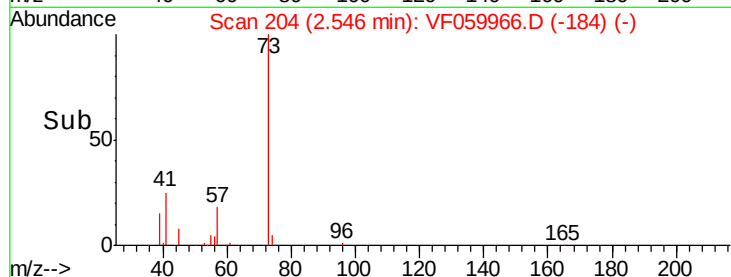
20000

10000

0

Time-->

2.40 2.50 2.60 2.70



#20

Methylene Chloride

Concen: 19.95 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion: 84 Resp: 18974

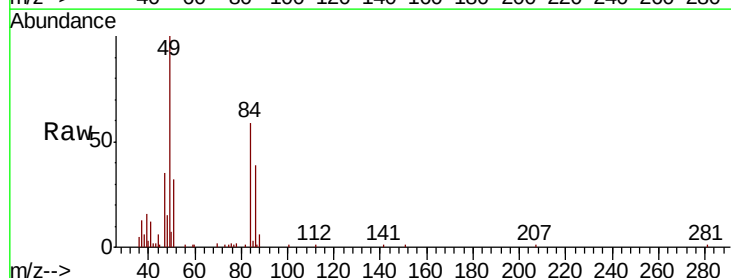
Ion Ratio Lower Upper

84 100

49 168.5 134.8 202.2

51 54.4 39.8 59.6

86 66.2 41.0 61.6#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

25000

20000

15000

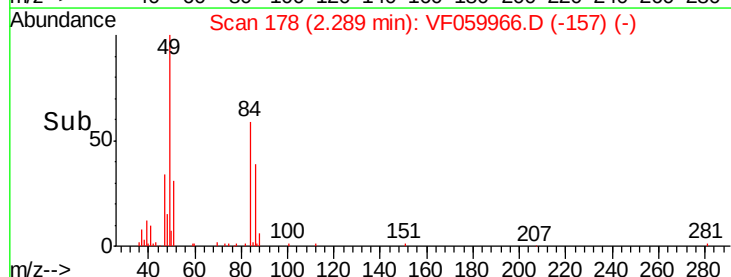
10000

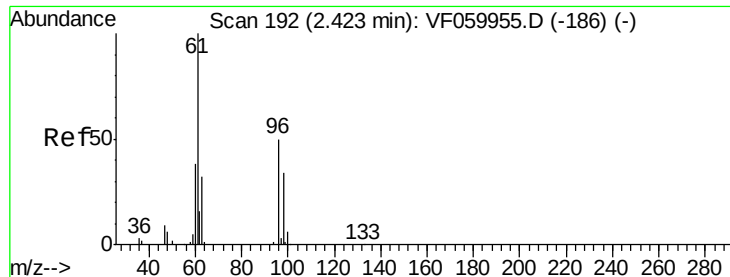
5000

0

Time-->

2.20 2.25 2.30





#21

trans-1,2-Dichloroethene

Concen: 48.25 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

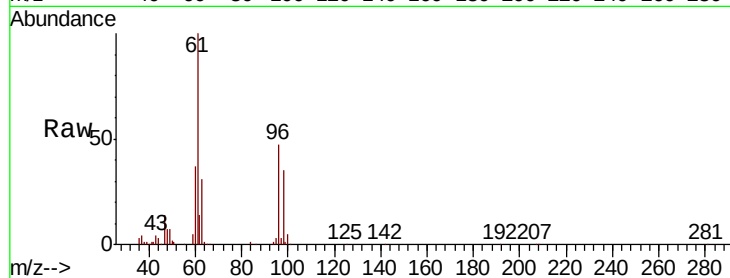
Tot Ion: 96 Resp: 41728

Ion Ratio Lower Upper

96 100

61 211.6 159.5 239.3

98 73.3 53.8 80.6

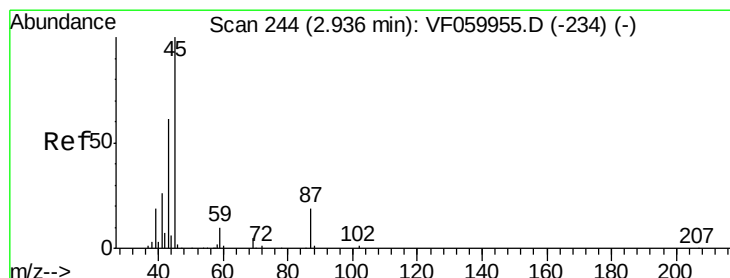
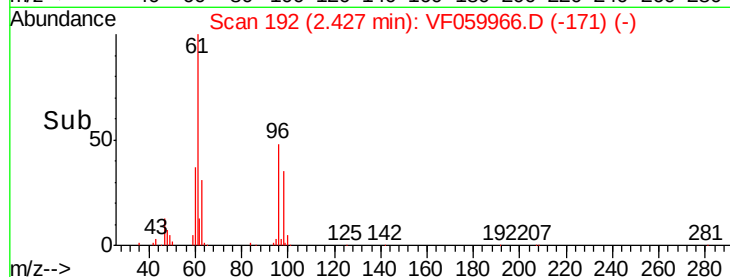
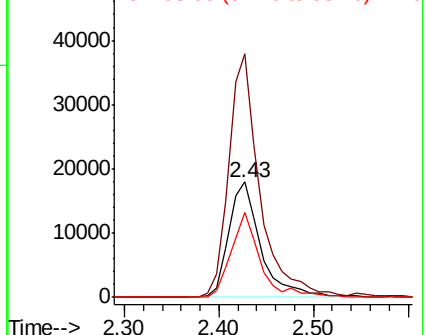


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 49.00 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion: 45 Resp: 142635

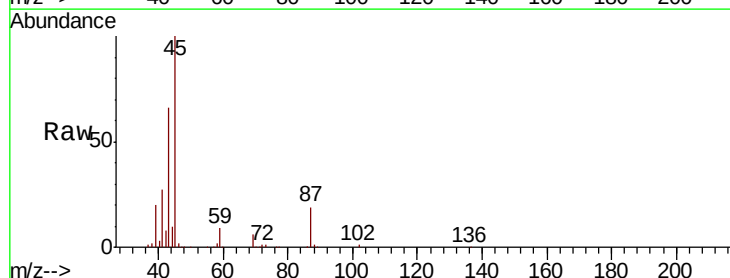
Ion Ratio Lower Upper

45 100

43 65.9 48.7 73.1

87 18.8 15.3 22.9

59 9.1 8.5 12.7



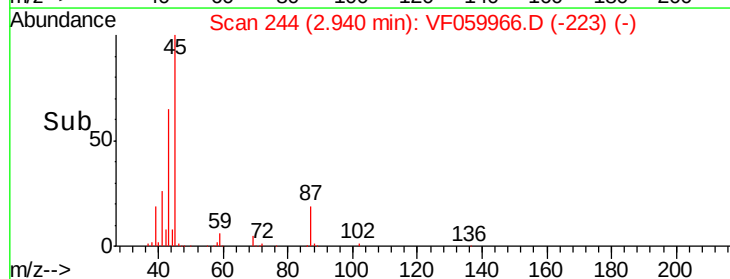
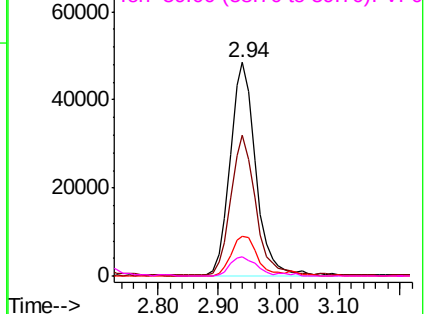
Abundance

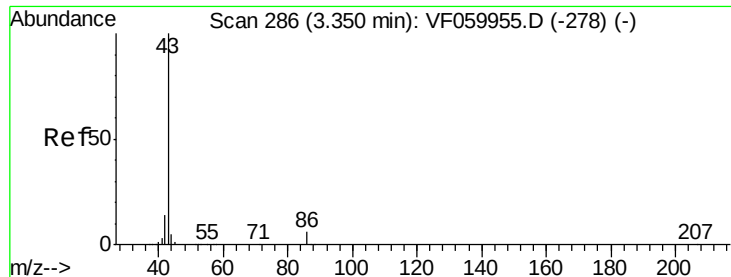
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 265.05 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

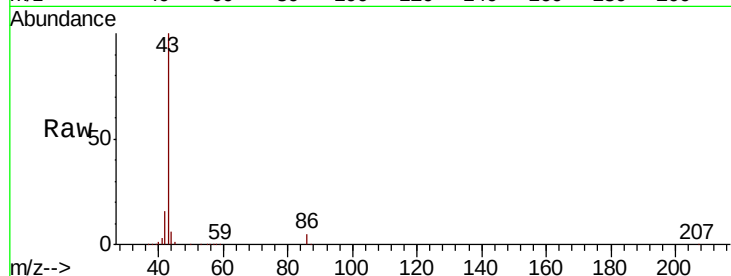
VSTDCCC050EC

Tot Ion: 43 Resp: 383001

Ion Ratio Lower Upper

43 100

86 5.5 4.9 7.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

150000

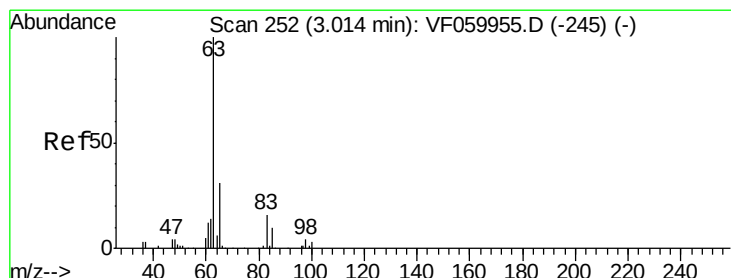
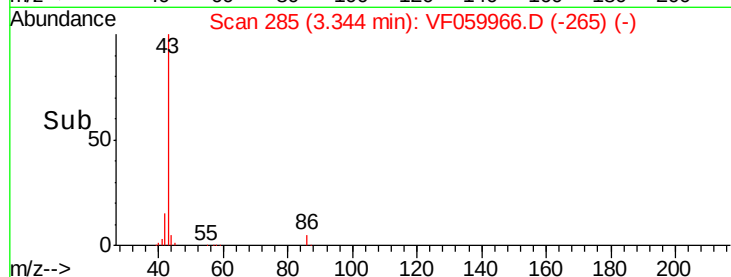
100000

50000

0

Time-->

3.20 3.40 3.60



#24

1,1-Dichloroethane

Concen: 51.41 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

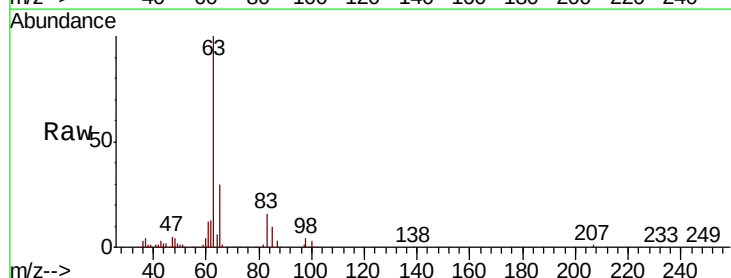
Tgt Ion: 63 Resp: 105753

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 2.6 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

30000

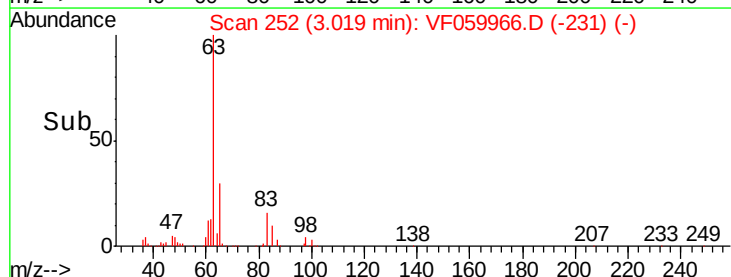
20000

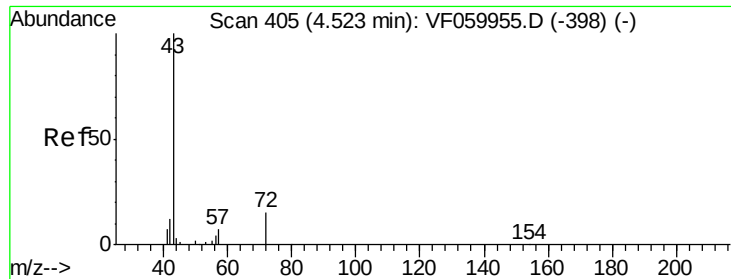
10000

0

Time-->

2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 258.51 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

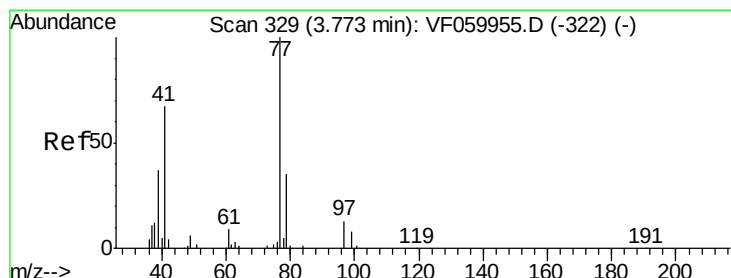
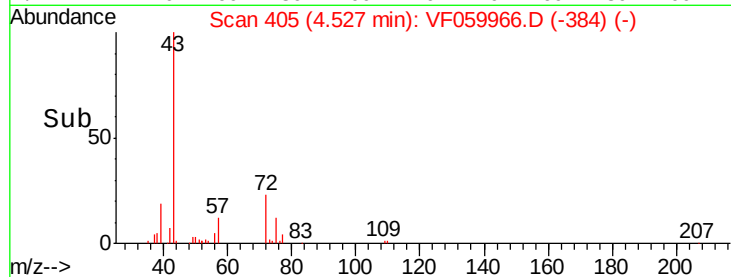
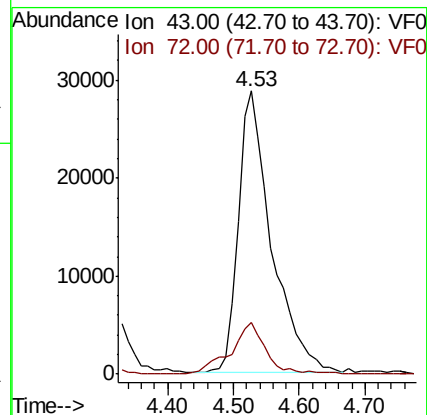
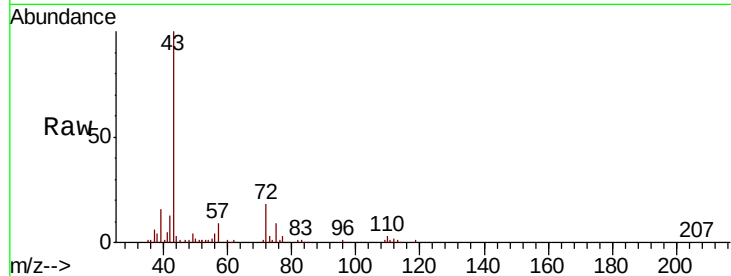
VSTDCCC050EC

Tot Ion: 43 Resp: 101836

Ion Ratio Lower Upper

43 100

72 18.1 14.6 22.0



#26

2,2-Dichloropropane

Concen: 48.90 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059966.D

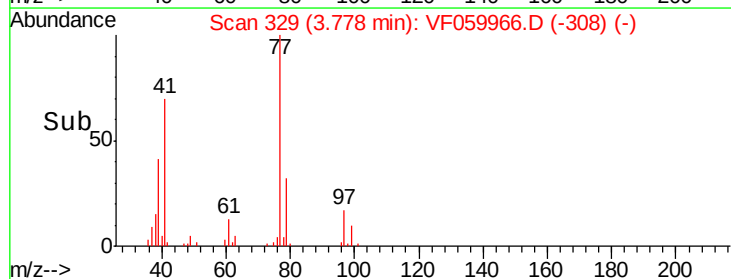
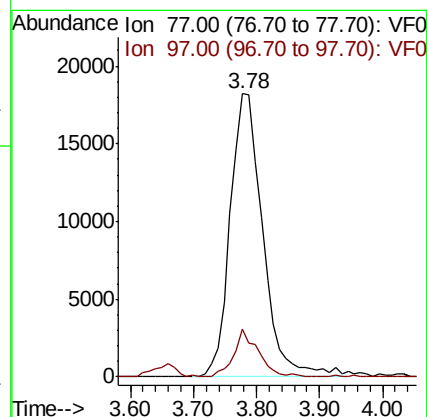
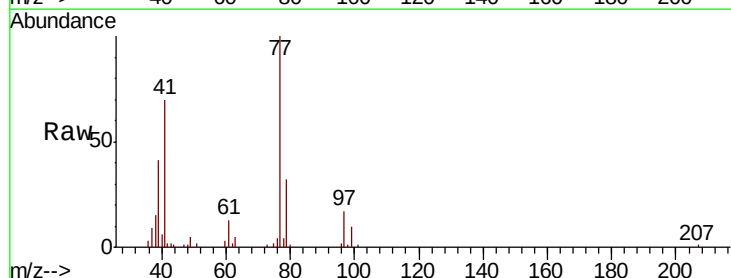
Acq: 15 Aug 2018 2:05

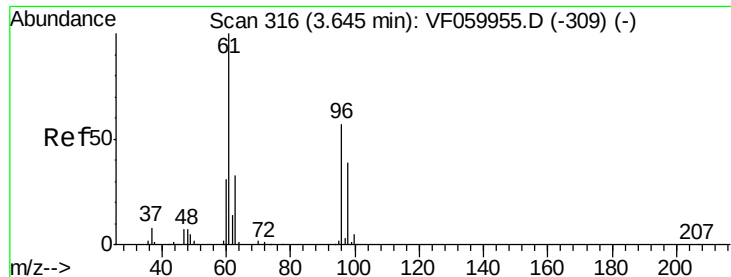
Tgt Ion: 77 Resp: 65441

Ion Ratio Lower Upper

77 100

97 16.7 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 53.35 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

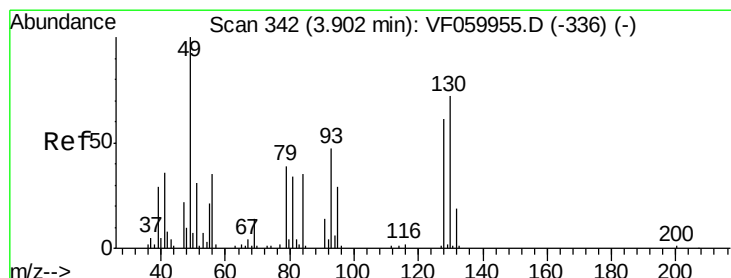
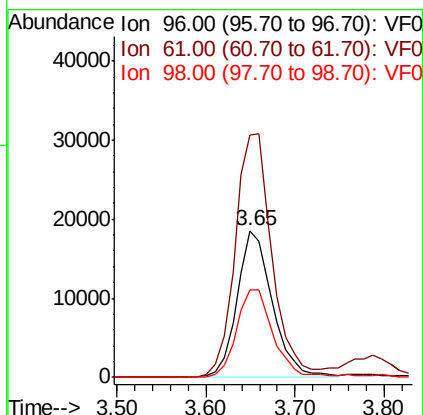
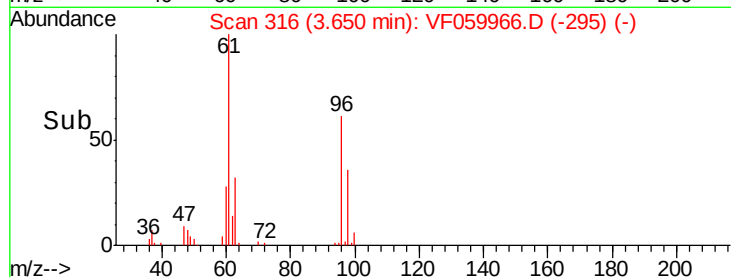
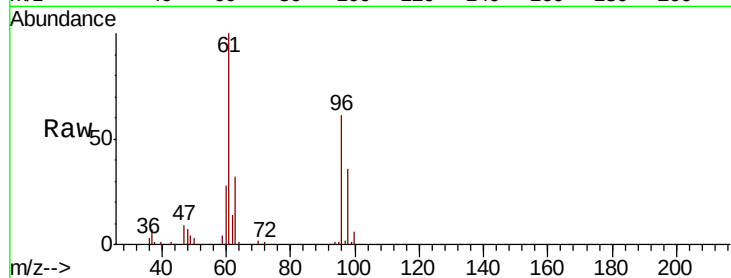
Tot Ion: 96 Resp: 50979

Ion Ratio Lower Upper

96 100

61 165.2 0.0 349.4

98 59.9 0.0 134.6



#28

Bromochloromethane

Concen: 53.73 ug/l

RT: 3.92 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

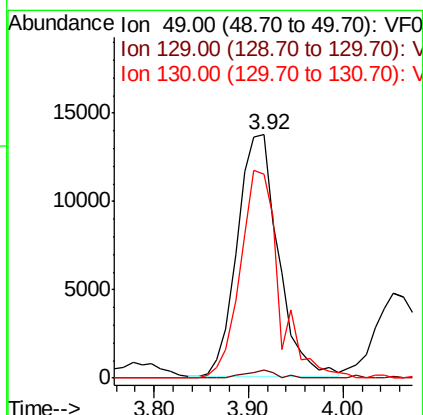
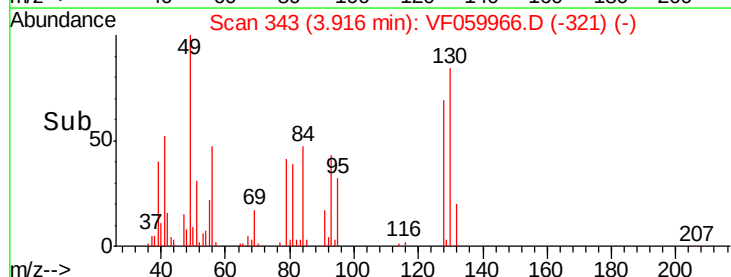
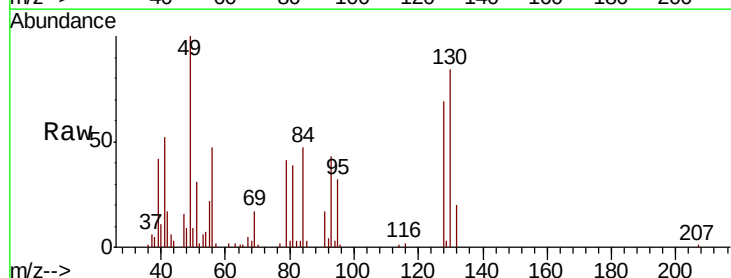
Tgt Ion: 49 Resp: 41171

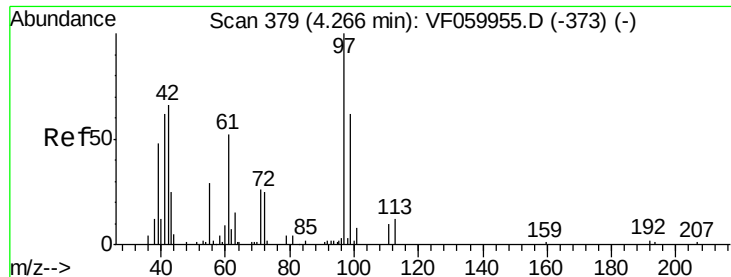
Ion Ratio Lower Upper

49 100

129 3.2 0.0 4.2

130 83.9 58.1 87.1





#29

Tetrahydrofuran

Concen: 273.29 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

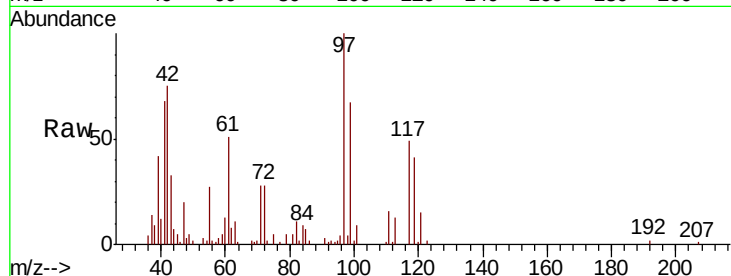
Tot Ion: 42 Resp: 36980

Ion Ratio Lower Upper

42 100

72 35.2 27.7 41.5

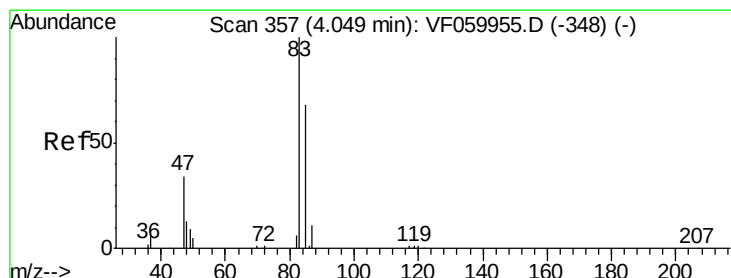
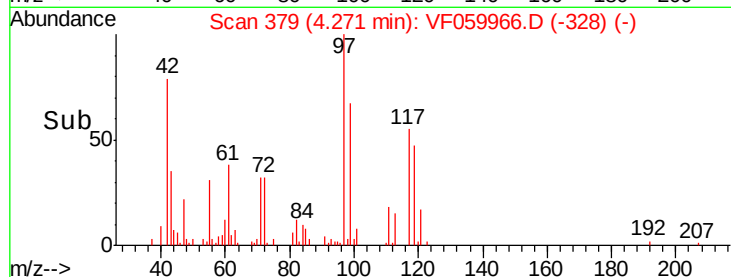
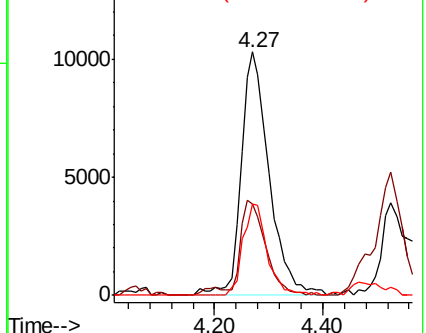
71 32.4 28.2 42.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 52.52 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF059966.D

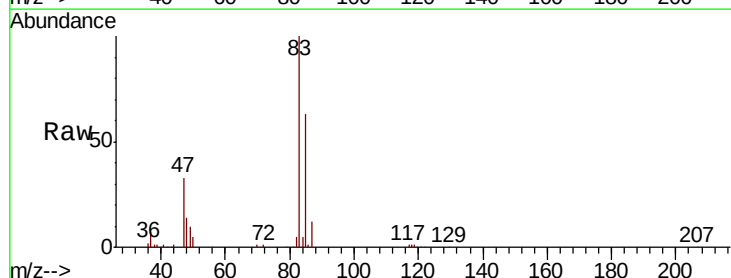
Acq: 15 Aug 2018 2:05

Tgt Ion: 83 Resp: 148367

Ion Ratio Lower Upper

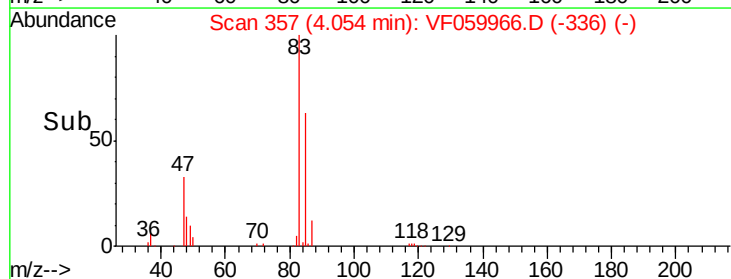
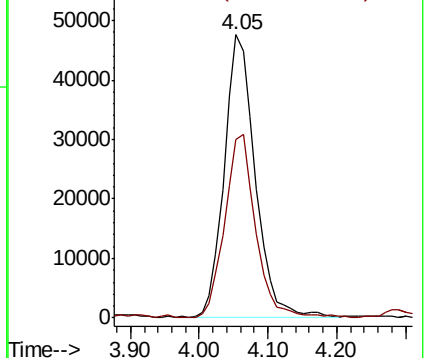
83 100

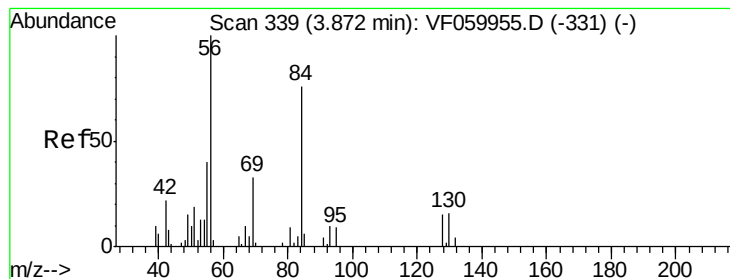
85 62.9 54.4 81.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 48.60 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

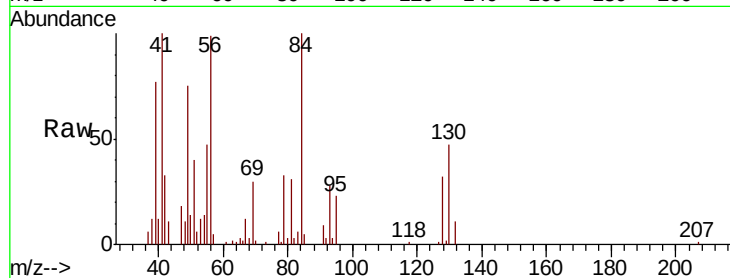
Tot Ion: 56 Resp: 49998

Ion Ratio Lower Upper

56 100

69 30.5 26.2 39.2

84 101.0 61.0 91.4#

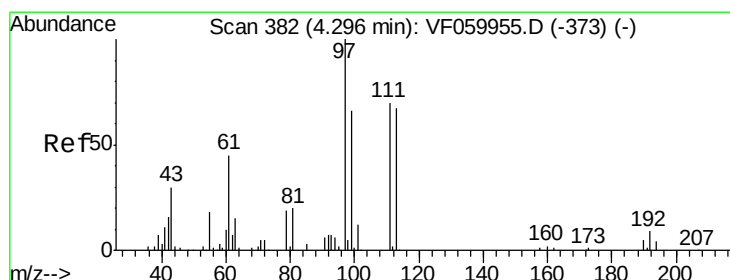
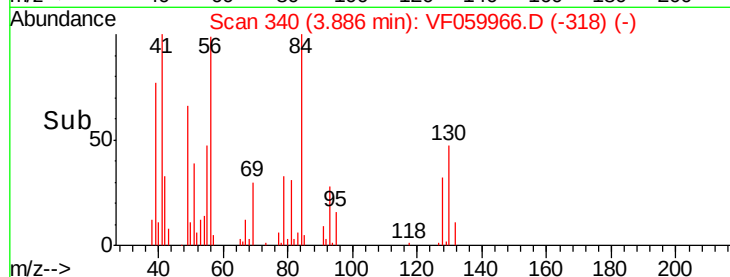
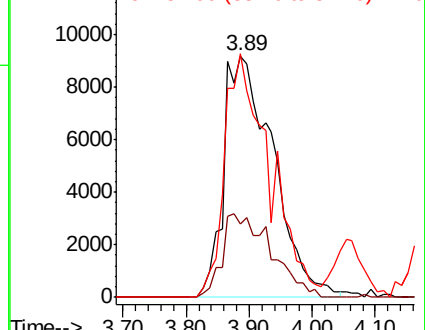


Abundance

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: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

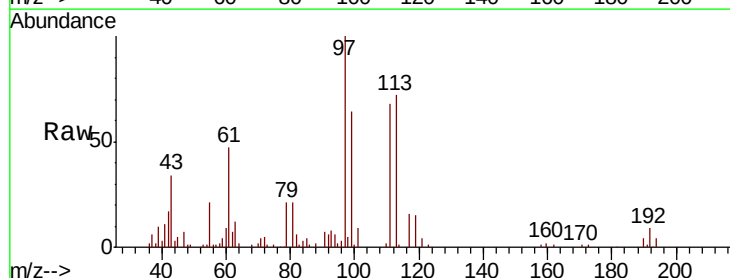
Tgt Ion: 97 Resp: 117473

Ion Ratio Lower Upper

97 100

99 64.4 53.0 79.4

61 47.0 36.6 55.0

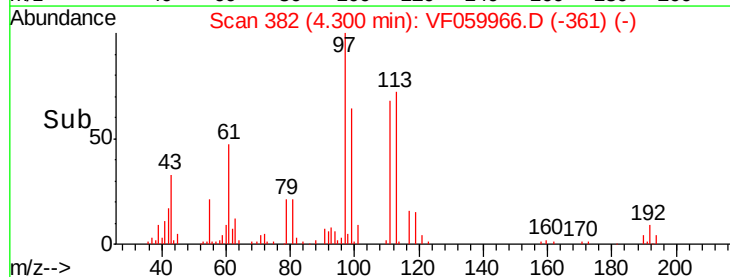
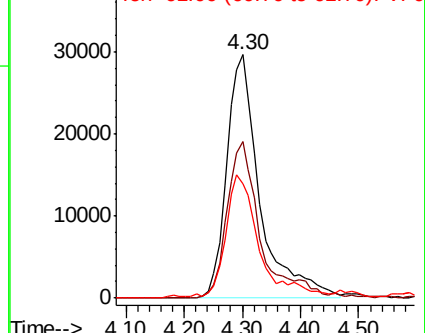


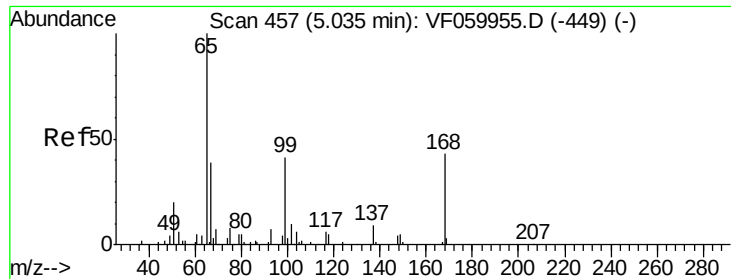
Abundance

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

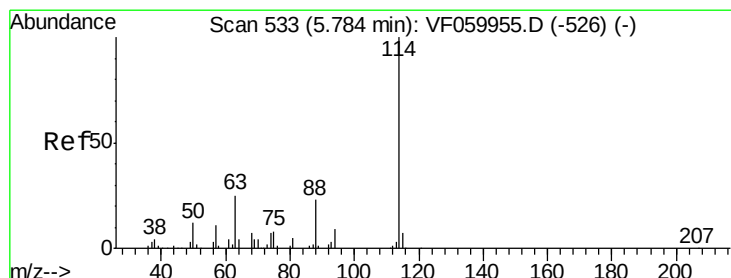
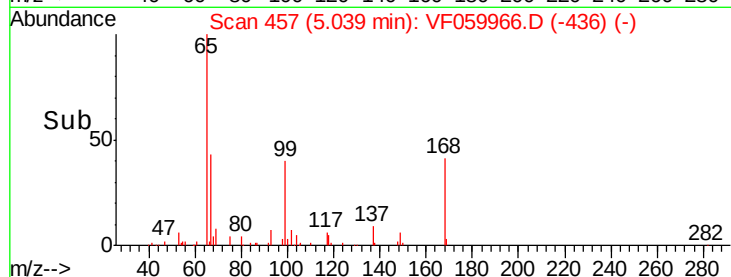
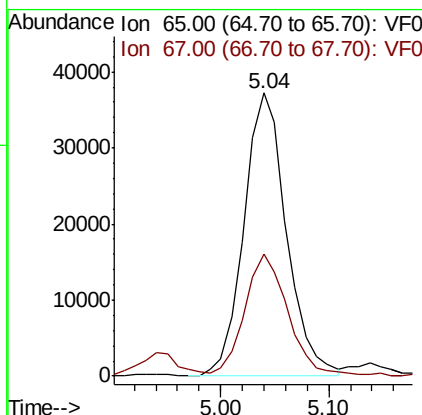
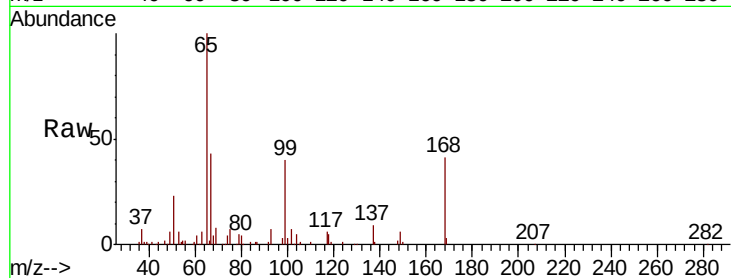




#33
 1,2-Dichloroethane-d4
 Concen: 52.11 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

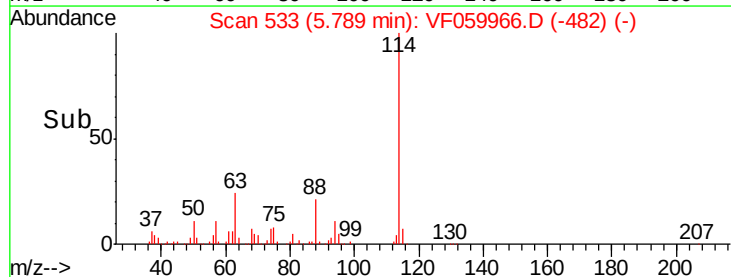
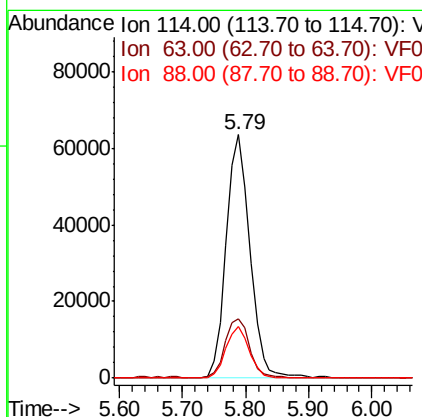
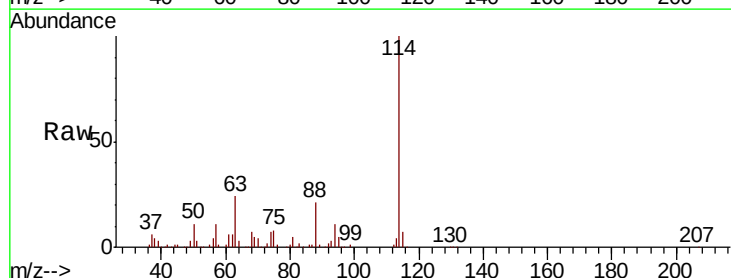
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

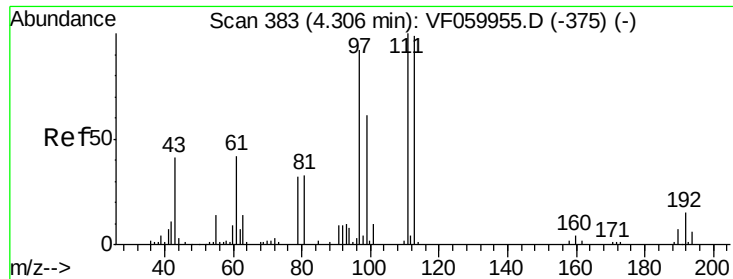
Tot Ion: 65 Resp: 102270
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 114 Resp: 166456
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.2
 88 21.2 0.0 46.8

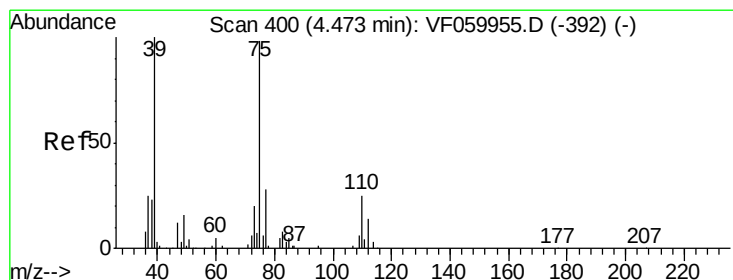
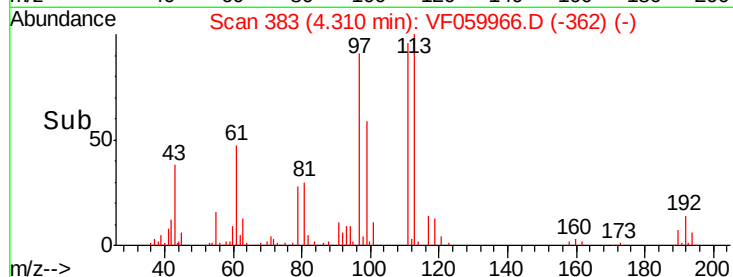
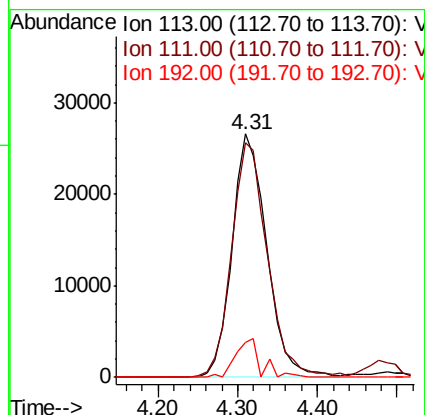
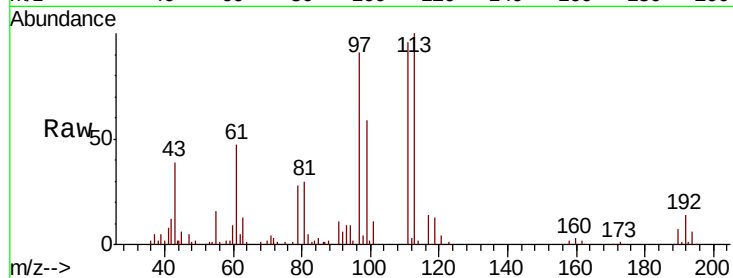




#35
 Dibromofluoromethane
 Concen: 48.40 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

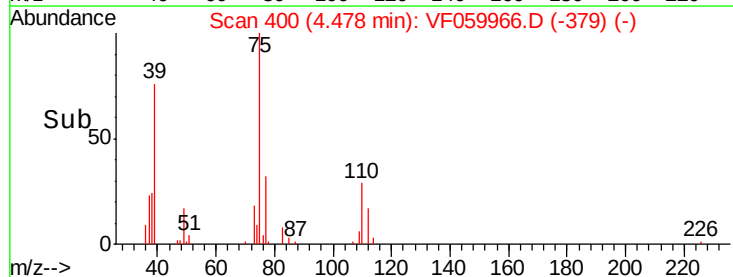
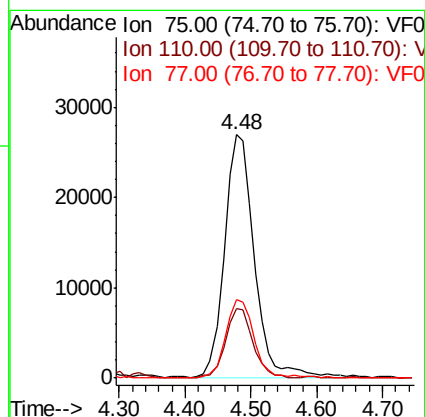
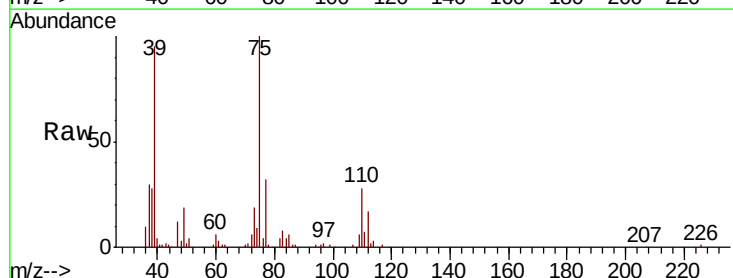
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

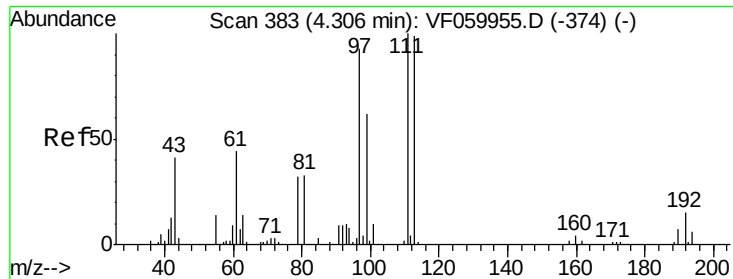
Tot Ion:113 Resp: 80726
 Ion Ratio Lower Upper
 113 100
 111 96.4 80.6 121.0
 192 14.2 11.7 17.5



#36
 1,1-Dichloropropene
 Concen: 46.34 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 75 Resp: 85681
 Ion Ratio Lower Upper
 75 100
 110 28.3 12.6 37.8
 77 32.1 22.7 34.1

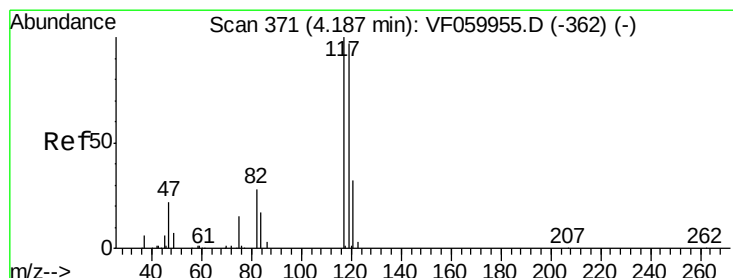
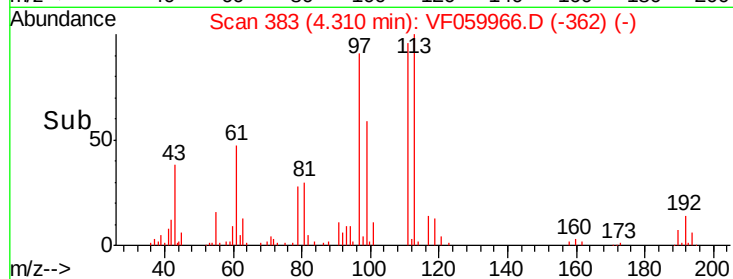
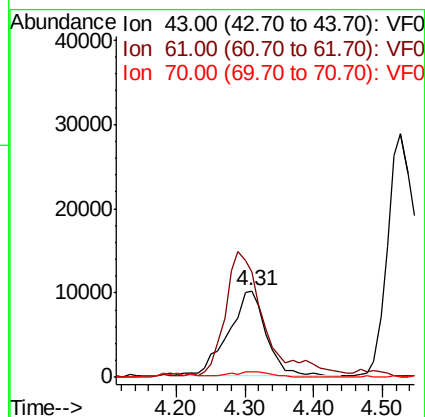
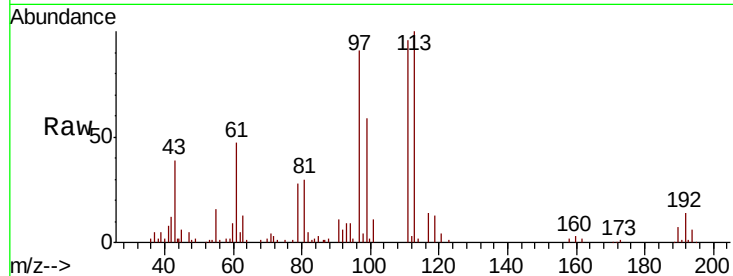




#37
Ethyl Acetate
Concen: 48.83 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

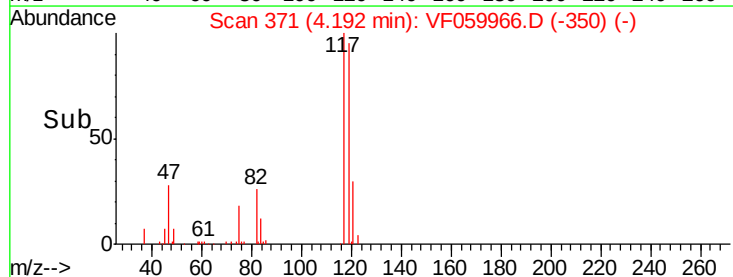
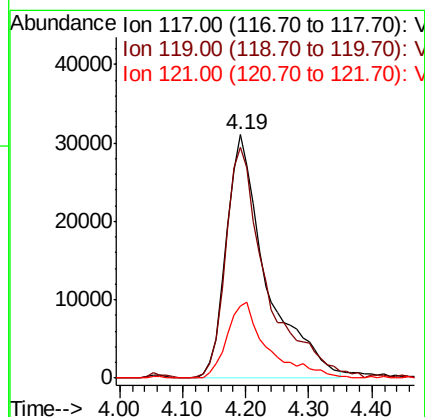
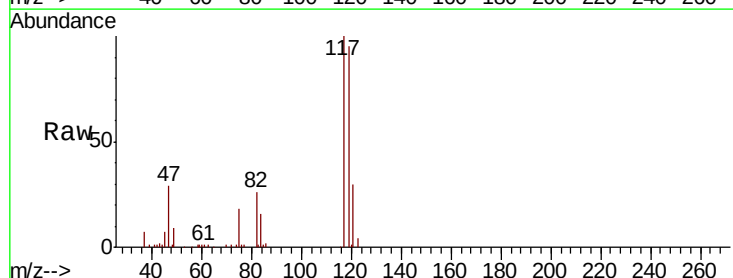
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

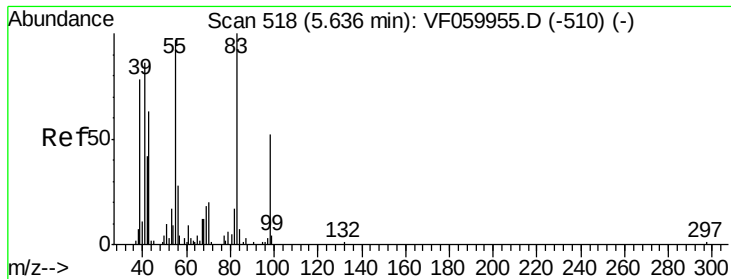
Tot Ion: 43 Resp: 38638
Ion Ratio Lower Upper
43 100
61 121.6 84.3 126.5
70 6.0 5.5 8.3



#38
Carbon Tetrachloride
Concen: 44.52 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 117 Resp: 137070
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3
121 29.5 24.9 37.3

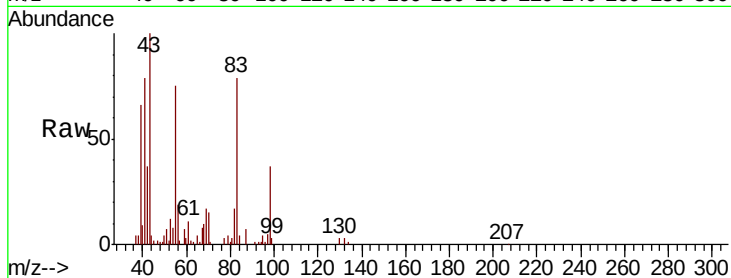




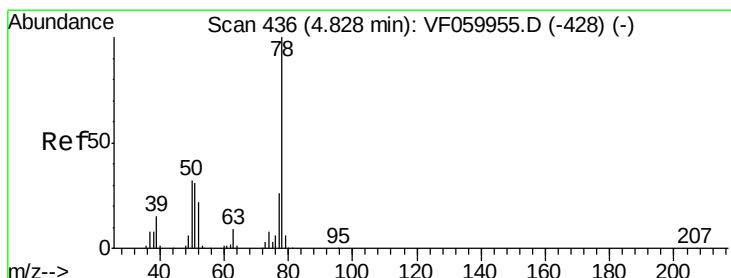
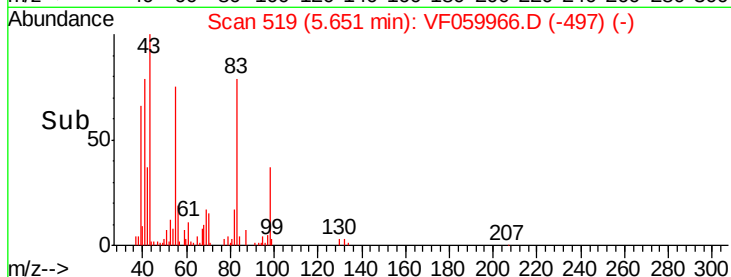
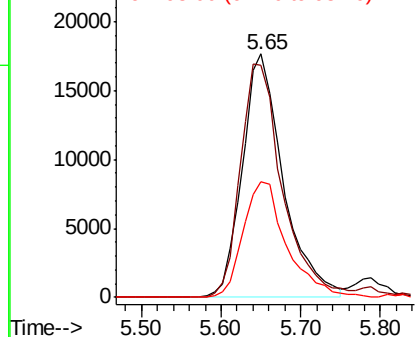
#39
Methylcyclohexane
Concen: 46.67 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 62737
Ion Ratio Lower Upper
83 100
55 95.2 77.4 116.2
98 47.2 41.5 62.3

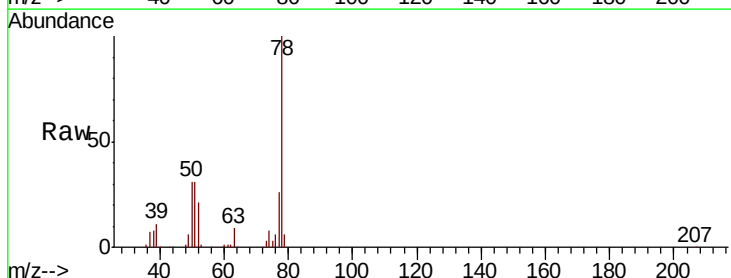


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

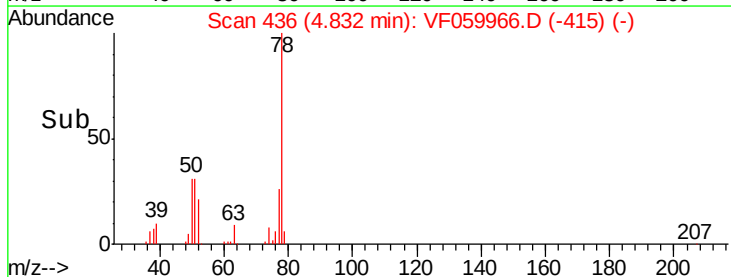
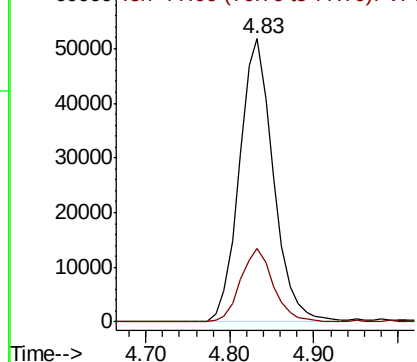


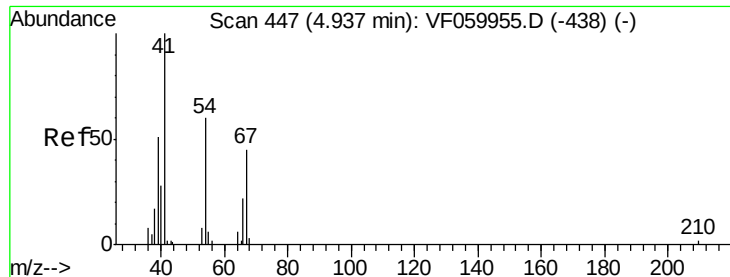
#40
Benzene
Concen: 46.77 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 78 Resp: 146392
Ion Ratio Lower Upper
78 100
77 25.8 21.1 31.7



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

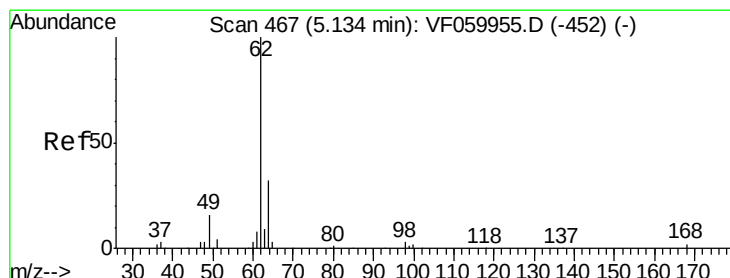
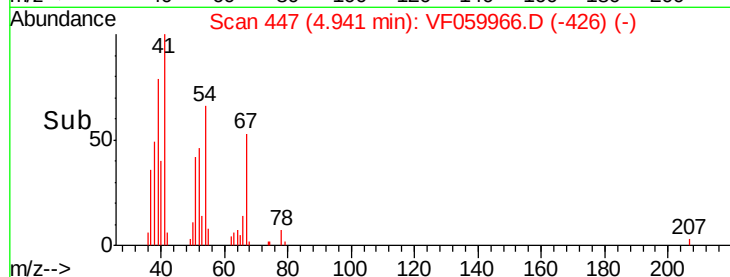
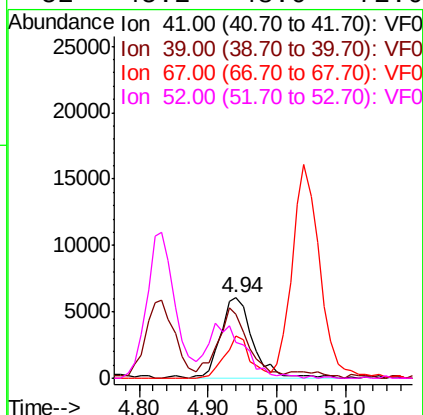
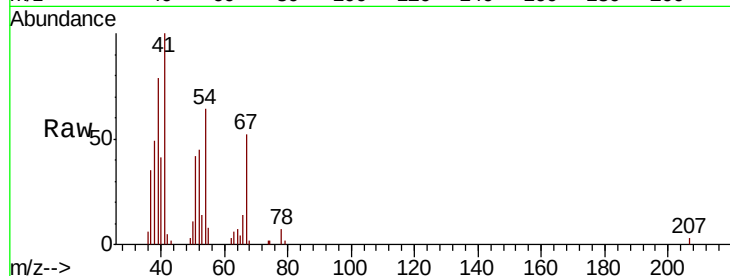




#41
Methacrylonitrile
Concen: 50.77 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

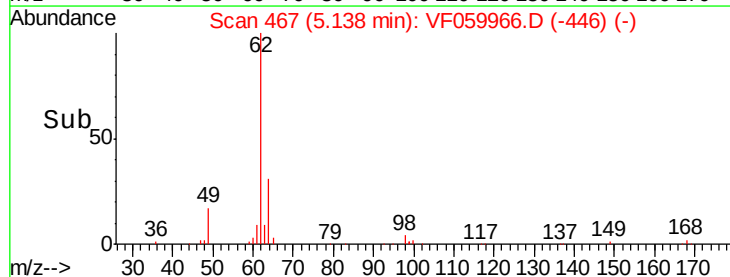
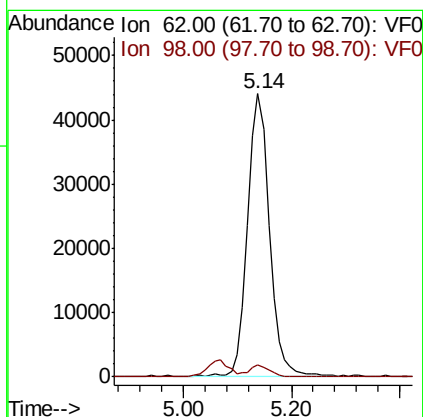
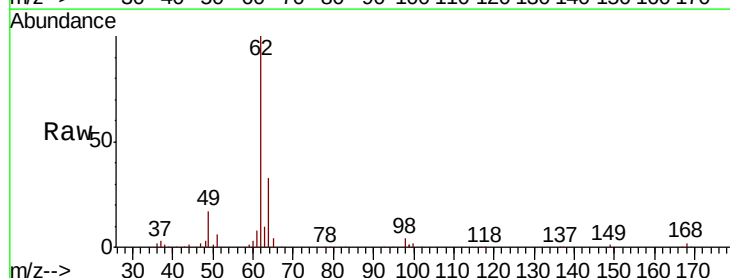
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

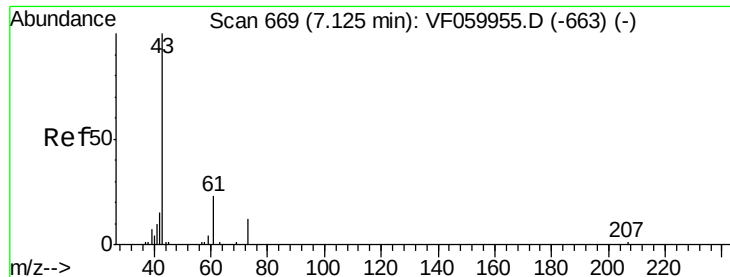
Tot Ion: 41 Resp: 19814
Ion Ratio Lower Upper
41 100
39 79.4 75.7 113.5
67 52.2 36.1 54.1
52 45.2 48.0 72.0#



#42
1,2-Dichloroethane
Concen: 50.04 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 62 Resp: 124432
Ion Ratio Lower Upper
62 100
98 4.4 0.0 5.0





#43

Isopropyl Acetate

Concen: 50.45 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

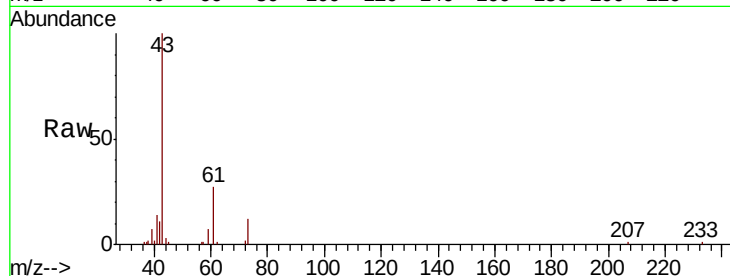
Tot Ion: 43 Resp: 43520

Ion Ratio Lower Upper

43 100

61 27.2 18.6 27.8

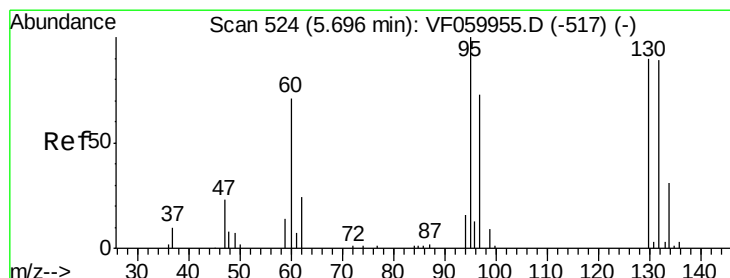
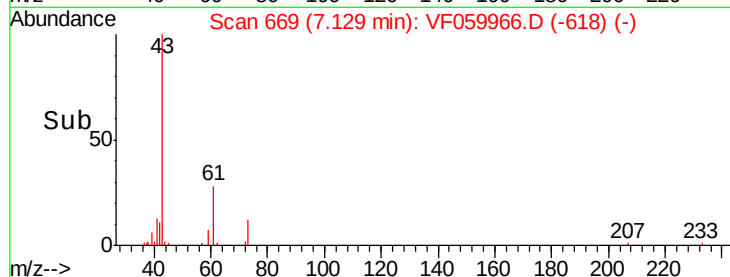
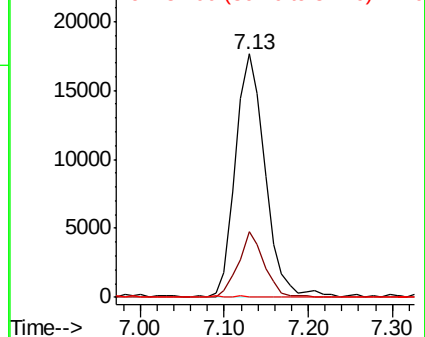
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 47.38 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.00 min

Lab File: VF059966.D

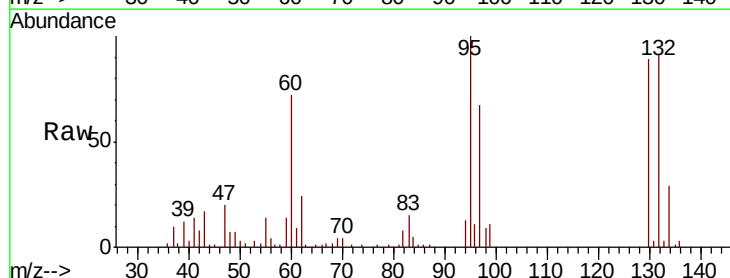
Acq: 15 Aug 2018 2:05

Tgt Ion:130 Resp: 57084

Ion Ratio Lower Upper

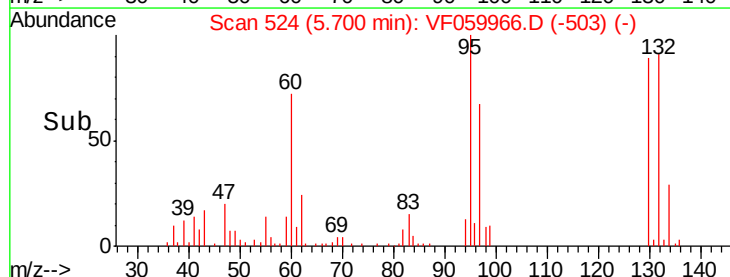
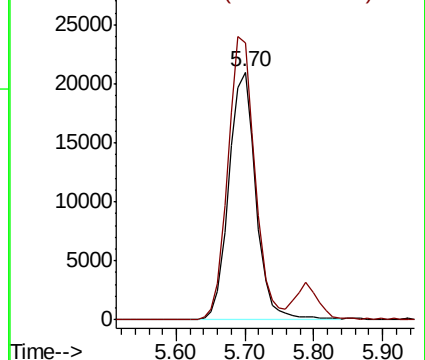
130 100

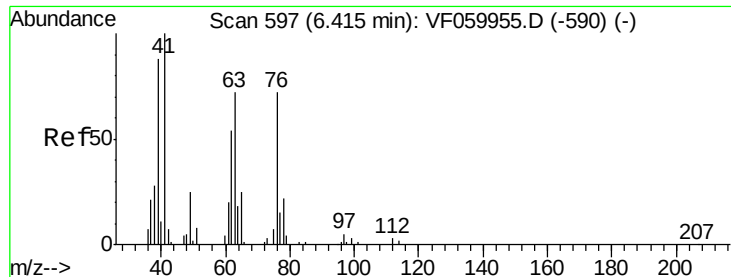
95 111.8 0.0 222.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

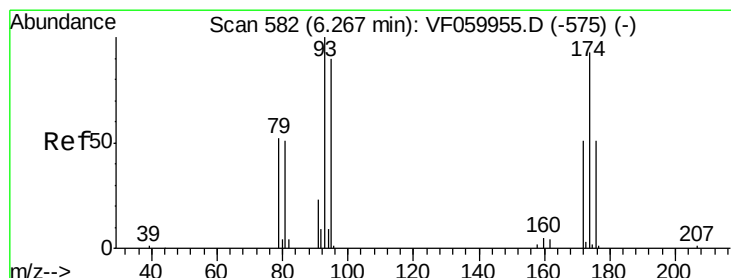
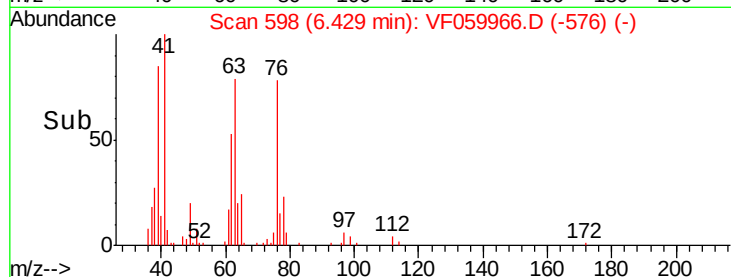
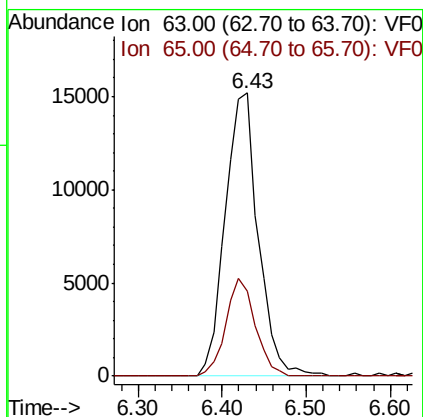
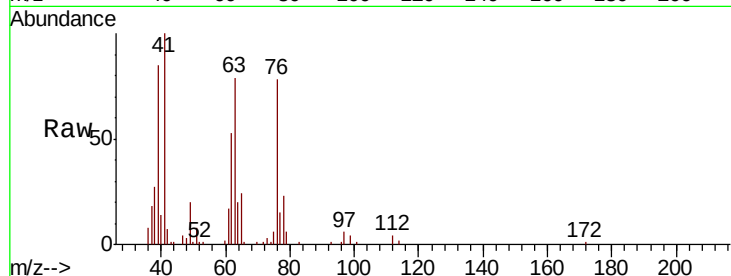




#45
 1,2-Dichloropropane
 Concen: 50.02 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

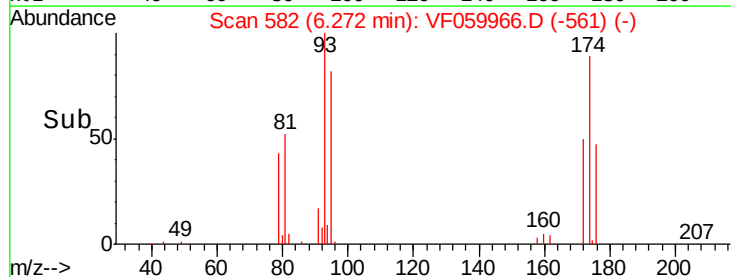
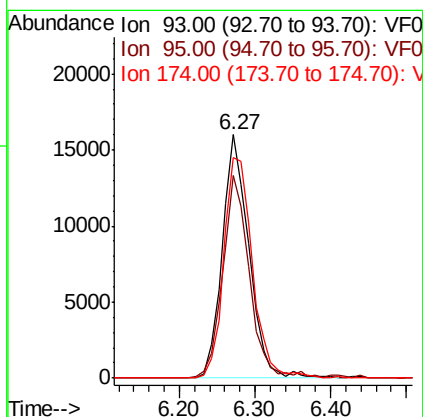
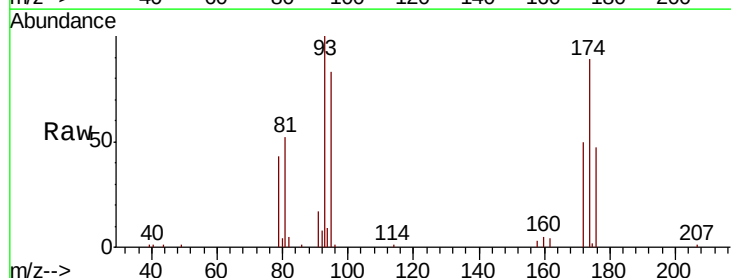
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

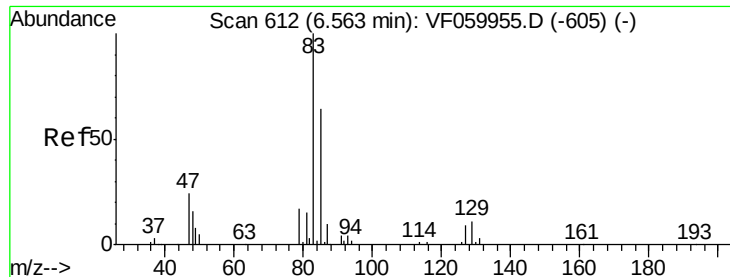
Tot Ion: 63 Resp: 41405
 Ion Ratio Lower Upper
 63 100
 65 29.9 27.8 41.6



#46
 Dibromomethane
 Concen: 47.76 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 93 Resp: 39011
 Ion Ratio Lower Upper
 93 100
 95 83.3 72.4 108.6
 174 90.8 75.9 113.9





#47

Bromodichloromethane

Concen: 48.55 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

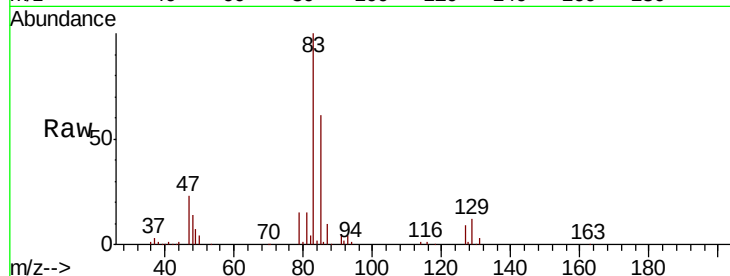
Tot Ion: 83 Resp: 114431

Ion Ratio Lower Upper

83 100

85 60.6 51.5 77.3

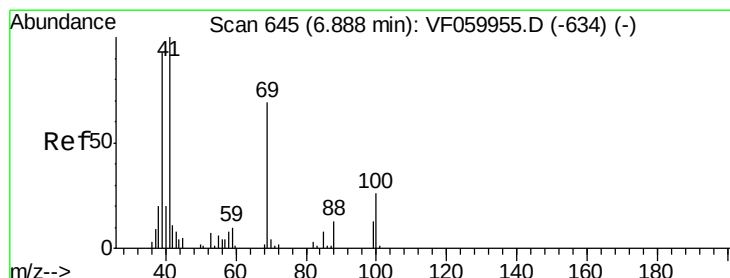
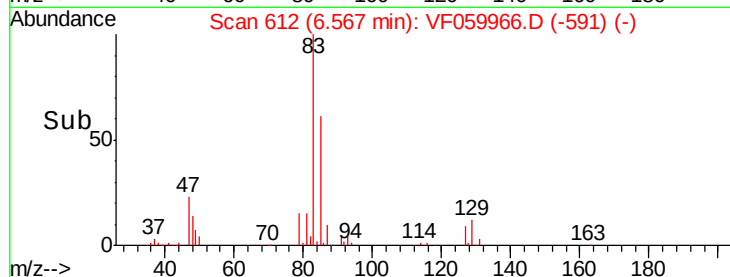
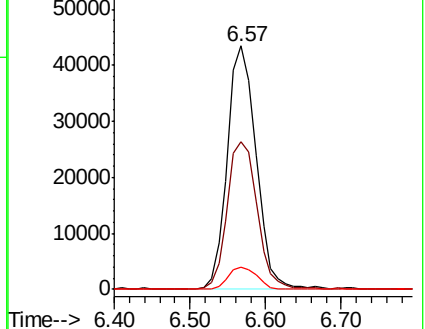
127 9.9 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 51.11 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

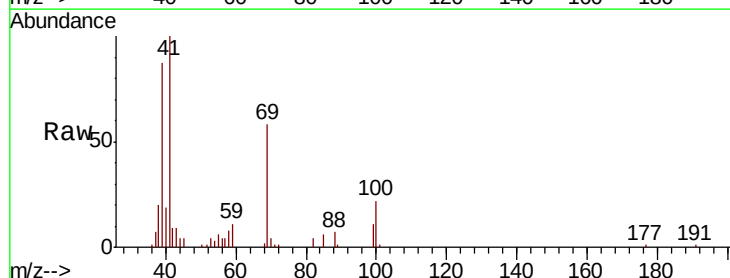
Tgt Ion: 41 Resp: 32841

Ion Ratio Lower Upper

41 100

69 58.3 54.8 82.2

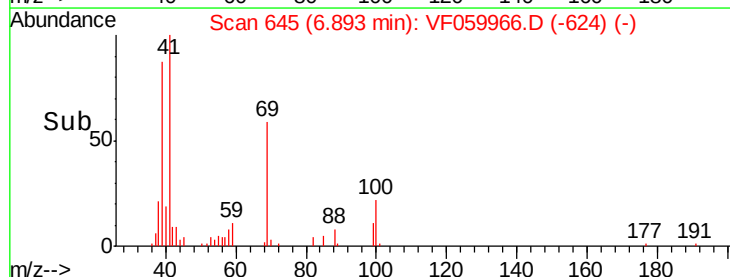
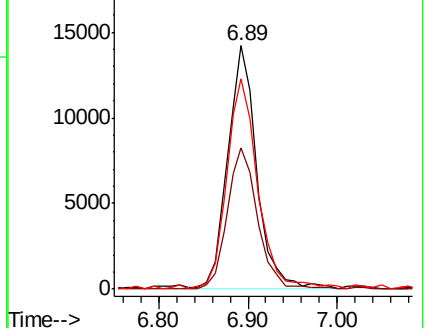
39 86.6 75.1 112.7

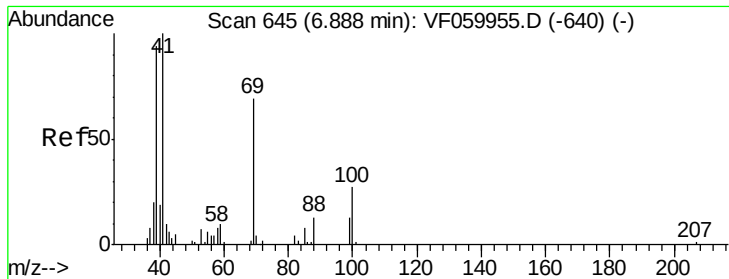


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 965.77 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

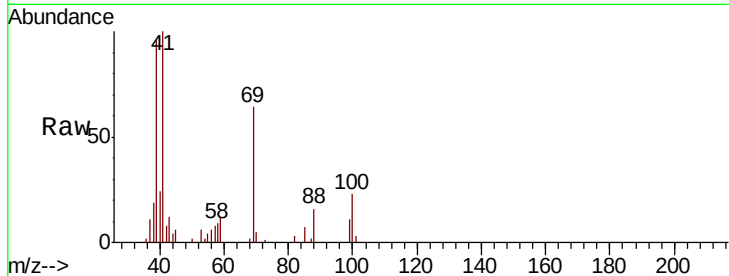
Tot Ion: 88 Resp: 4692

Ion Ratio Lower Upper

88 100

43 75.7 47.9 71.9#

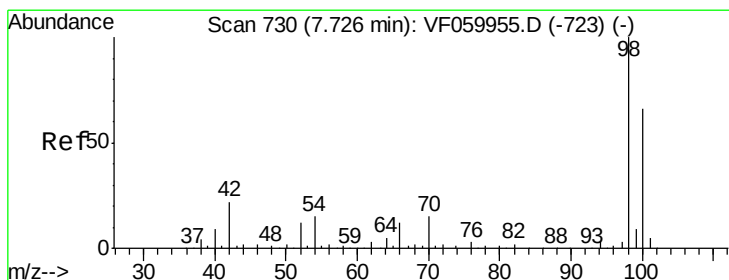
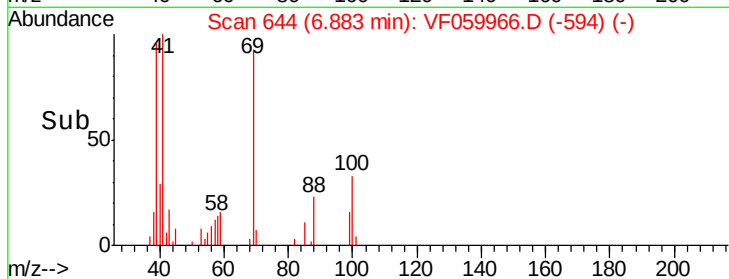
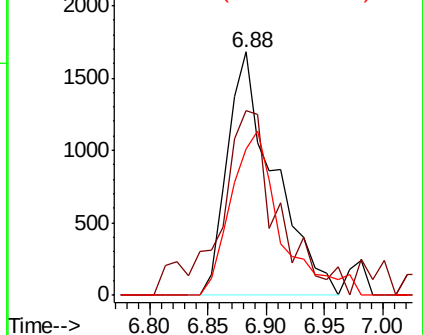
58 60.1 52.0 78.0



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: 47.83 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF059966.D

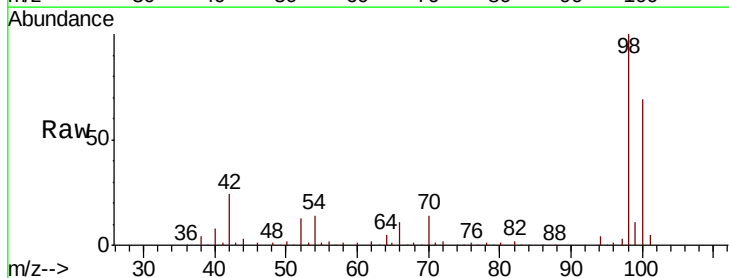
Acq: 15 Aug 2018 2:05

Tgt Ion: 98 Resp: 175922

Ion Ratio Lower Upper

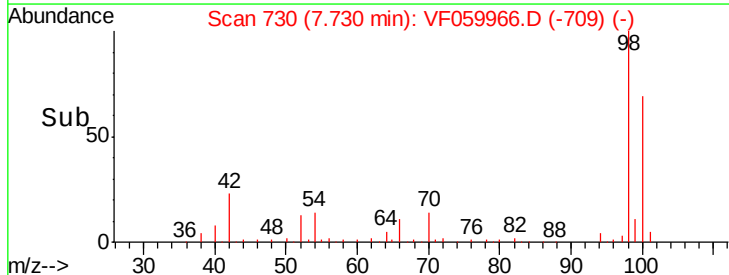
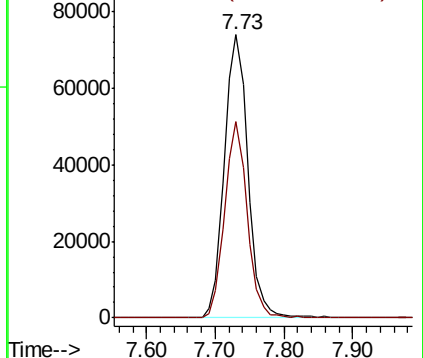
98 100

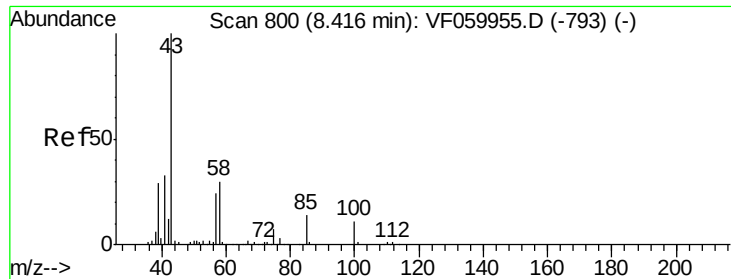
100 69.4 52.9 79.3



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: 253.38 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

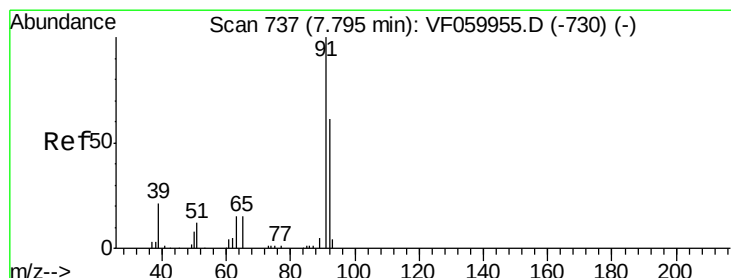
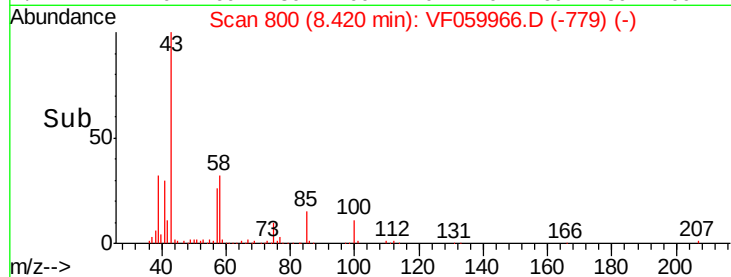
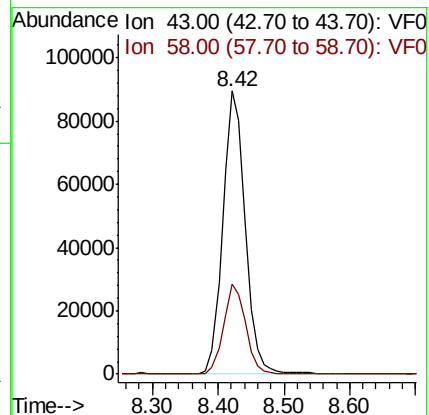
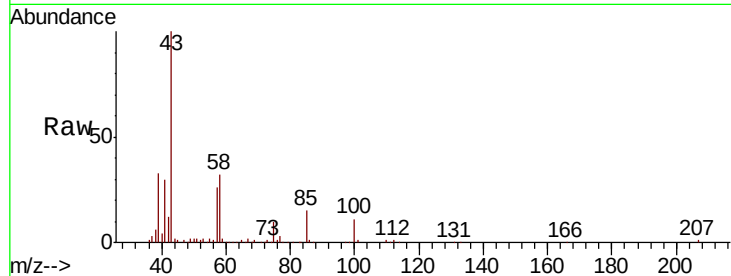
VSTDCCC050EC

Tot Ion: 43 Resp: 211731

Ion Ratio Lower Upper

43 100

58 31.7 24.2 36.4



#52

Toluene

Concen: 48.23 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059966.D

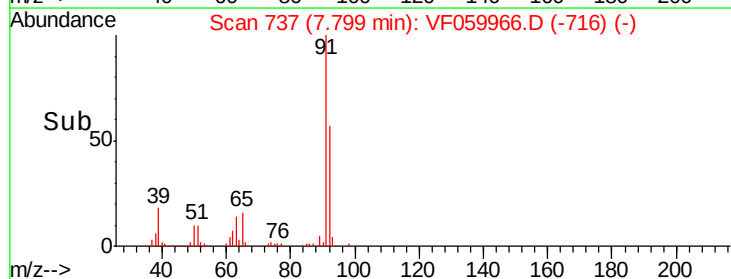
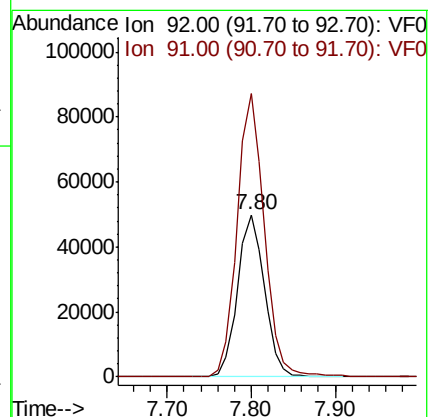
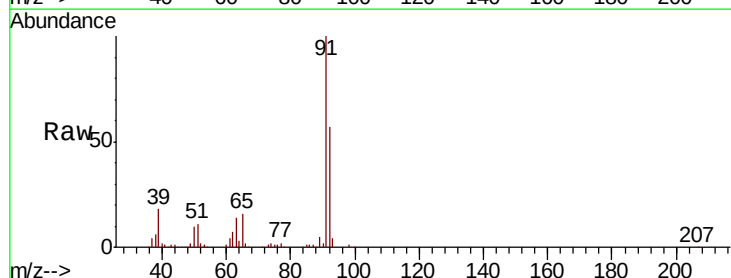
Acq: 15 Aug 2018 2:05

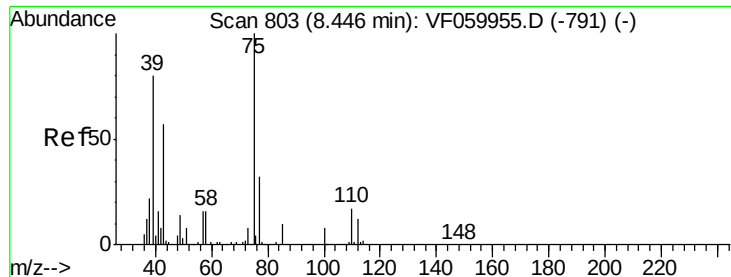
Tgt Ion: 92 Resp: 111825

Ion Ratio Lower Upper

92 100

91 175.0 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 48.62 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

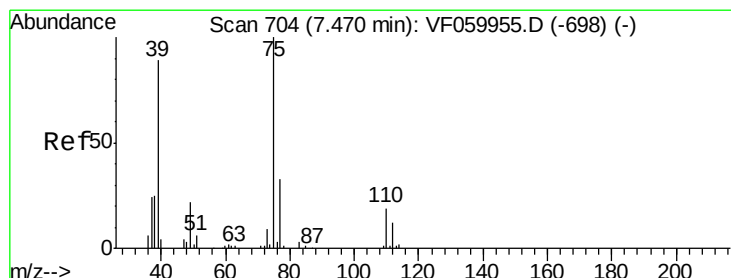
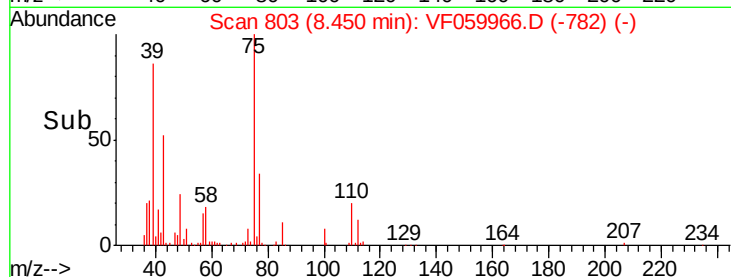
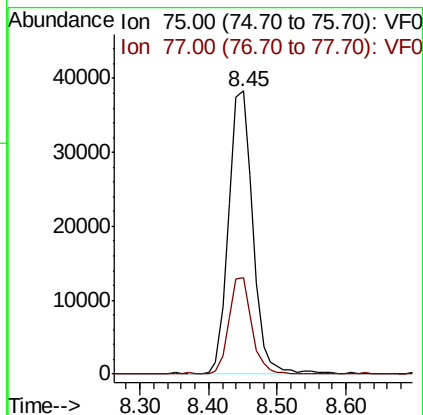
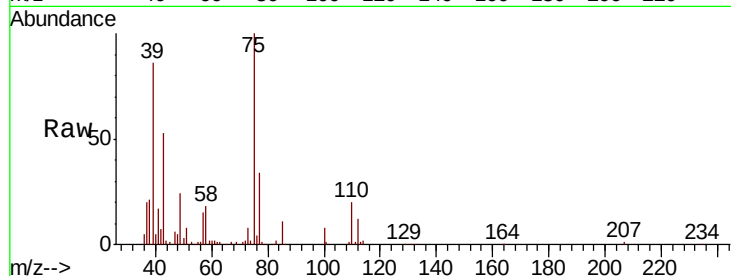
VSTDCCC050EC

Tot Ion: 75 Resp: 93731

Ion Ratio Lower Upper

75 100

77 34.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 49.89 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

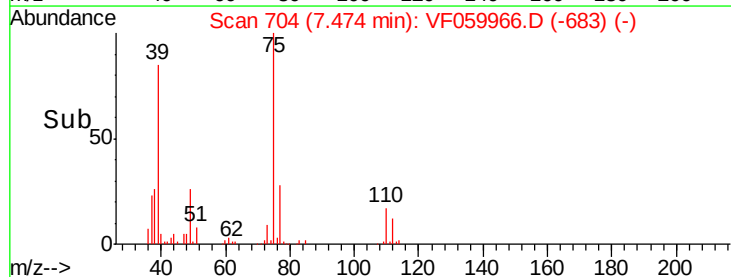
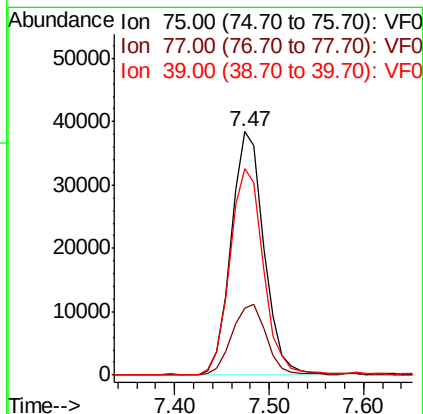
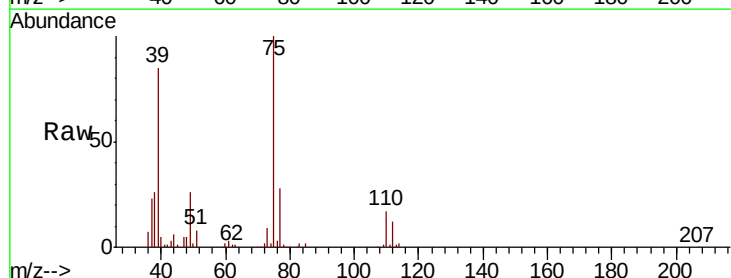
Tgt Ion: 75 Resp: 92566

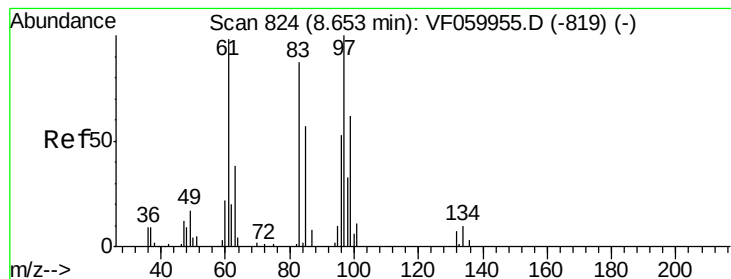
Ion Ratio Lower Upper

75 100

77 27.7 26.1 39.1

39 85.1 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 49.53 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 39242

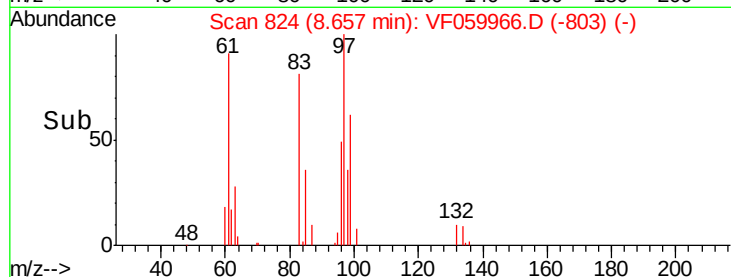
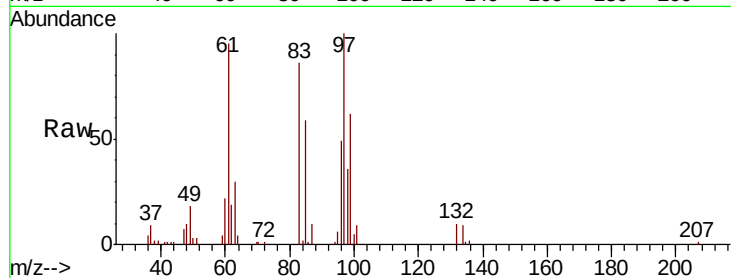
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.0	105.0
85	59.4	45.2	67.8
99	62.1	49.7	74.5

97 100

83 85.7 70.0 105.0

85 59.4 45.2 67.8

99 62.1 49.7 74.5

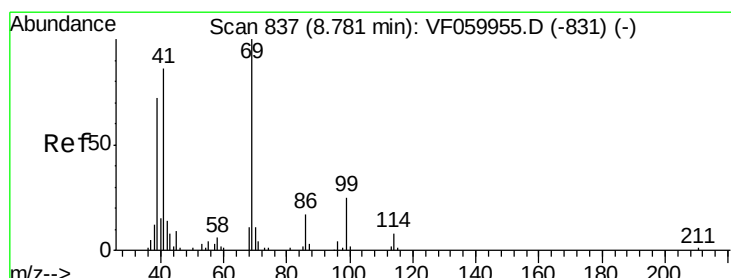
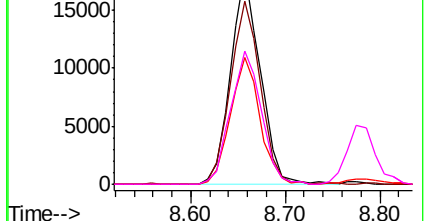


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.41 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

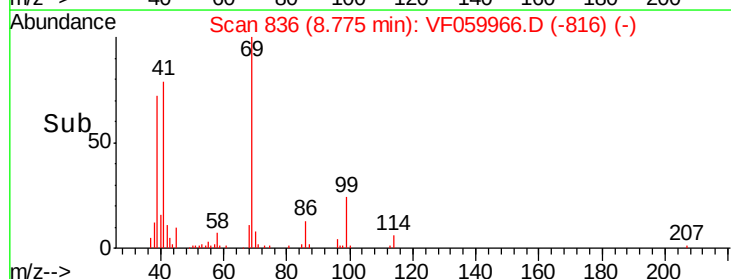
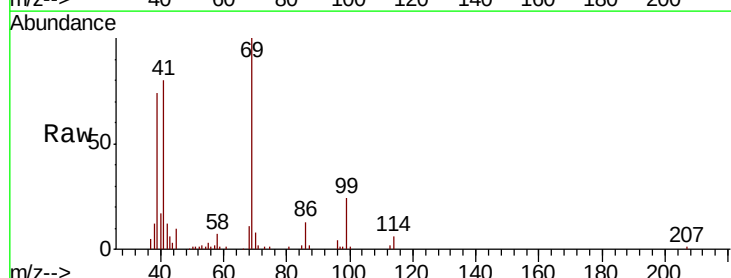
Tgt Ion: 69 Resp: 43755

Ion	Ratio	Lower	Upper
69	100		
41	80.0	68.7	103.1
39	73.6	58.5	87.7

69 100

41 80.0 68.7 103.1

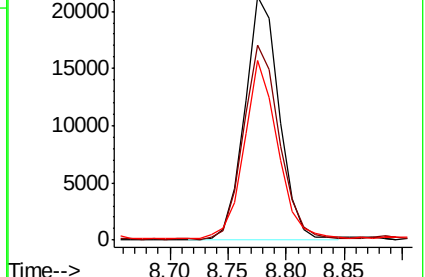
39 73.6 58.5 87.7

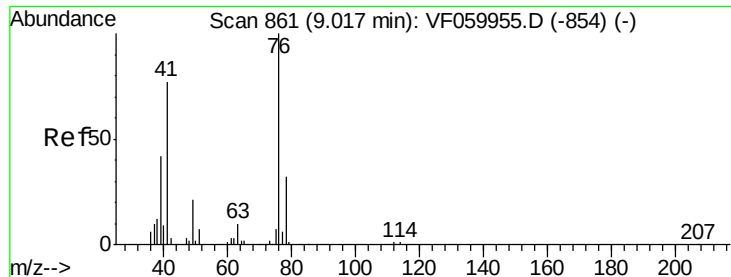


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

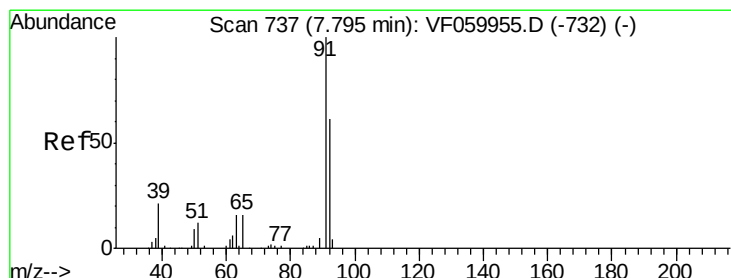
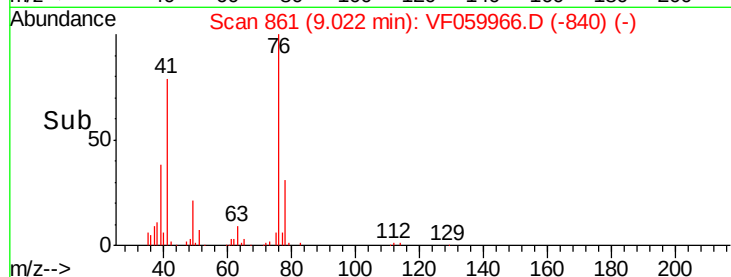
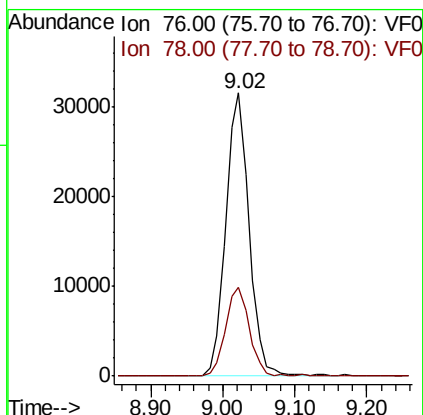
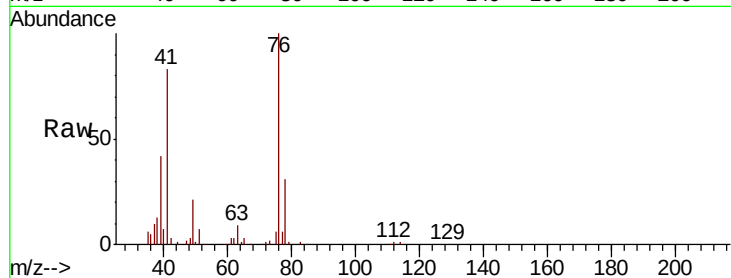




#57
 1,3-Dichloropropane
 Concen: 48.42 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

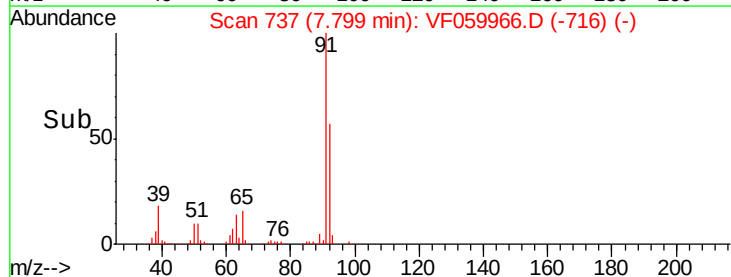
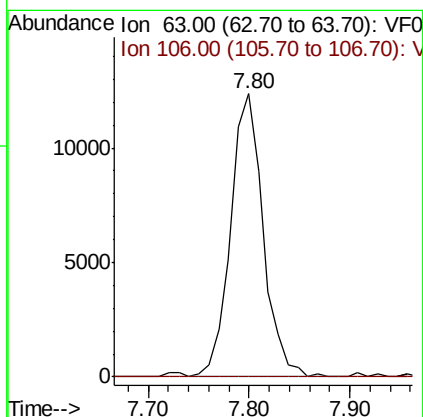
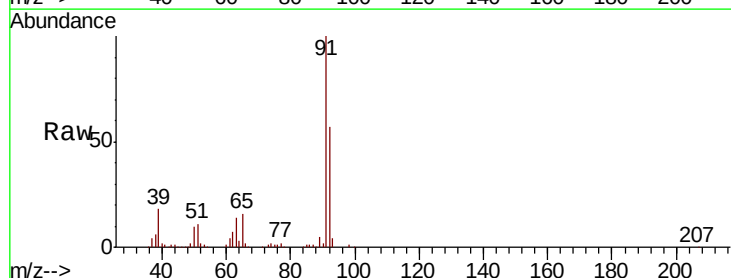
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

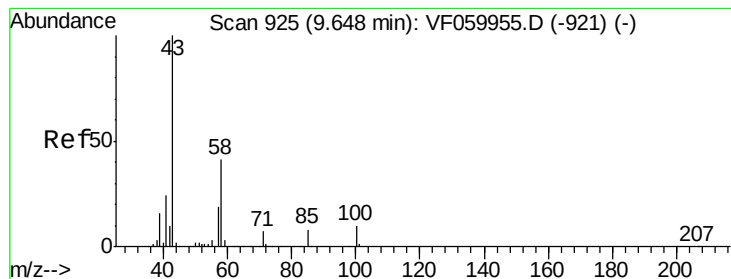
Tot Ion: 76 Resp: 70669
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.50 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 63 Resp: 27651
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 246.02 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

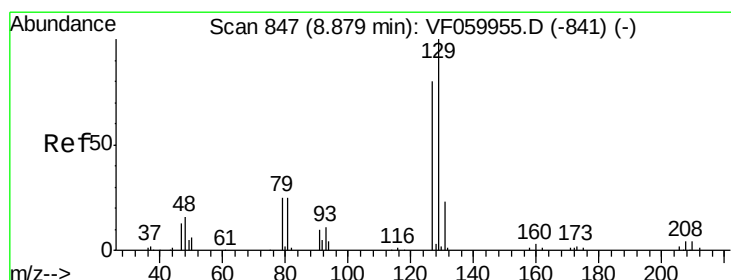
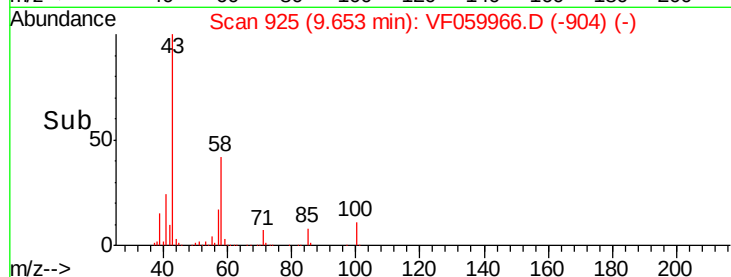
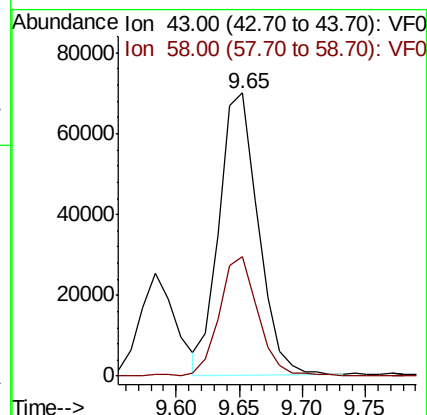
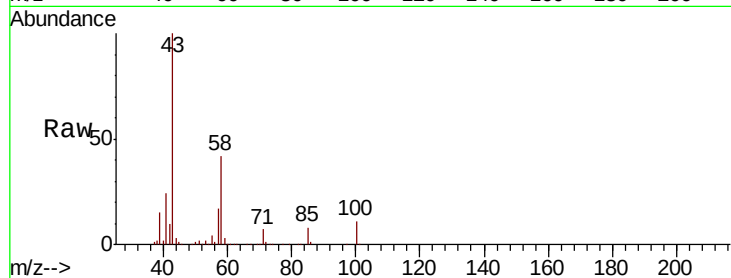
VSTDCCC050EC

Tot Ion: 43 Resp: 149954

Ion Ratio Lower Upper

43 100

58 42.4 19.4 58.2



#60

Dibromochloromethane

Concen: 50.09 ug/l

RT: 8.88 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF059966.D

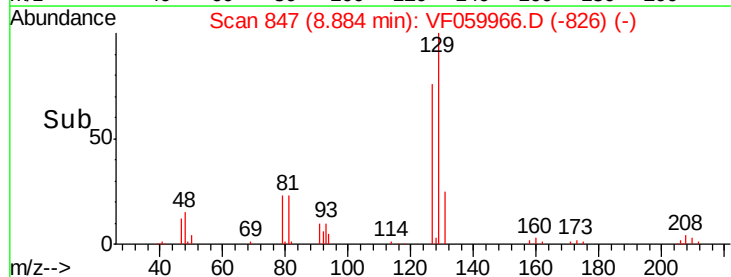
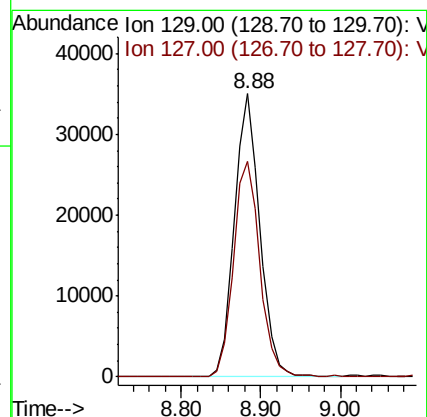
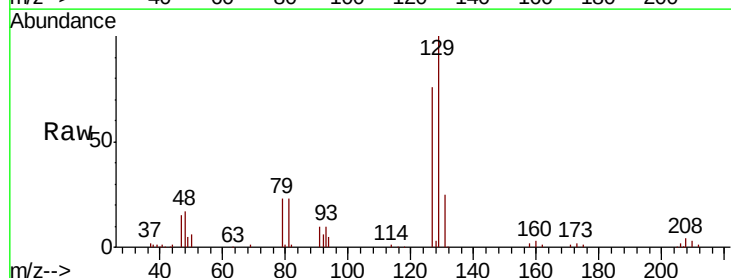
Acq: 15 Aug 2018 2:05

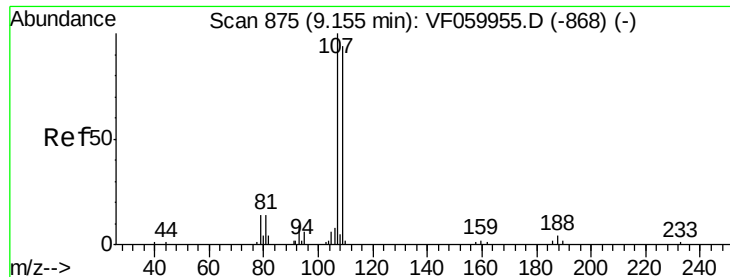
Tgt Ion: 129 Resp: 78532

Ion Ratio Lower Upper

129 100

127 76.0 40.0 119.9

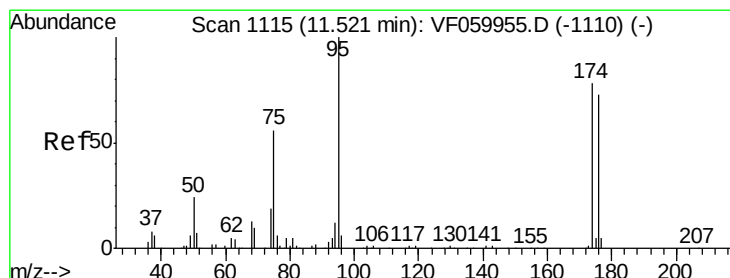
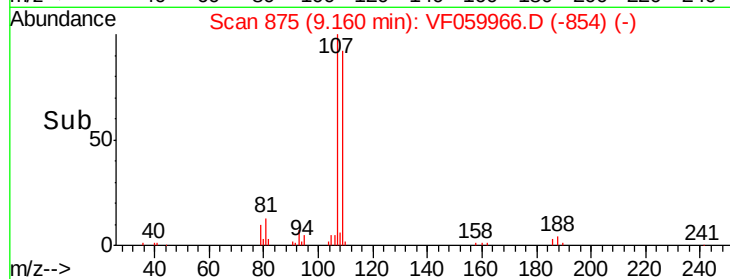
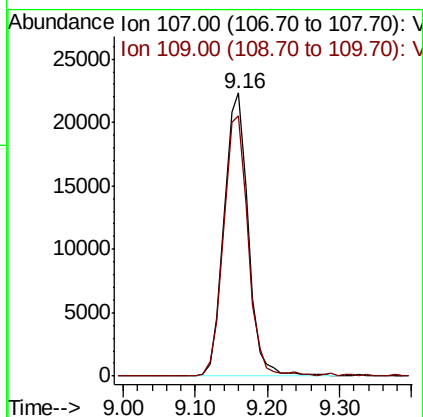
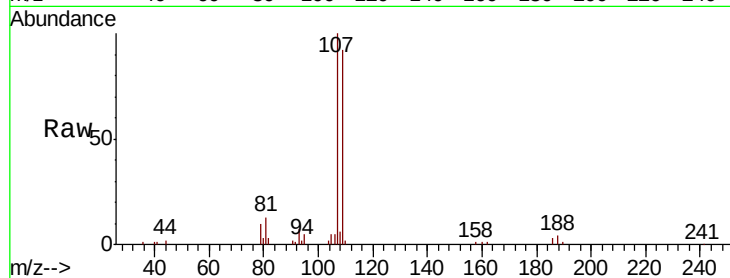




#61
 1,2-Dibromoethane
 Concen: 52.19 ug/l
 RT: 9.16 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

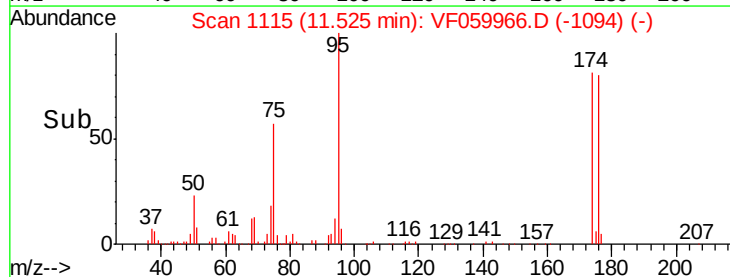
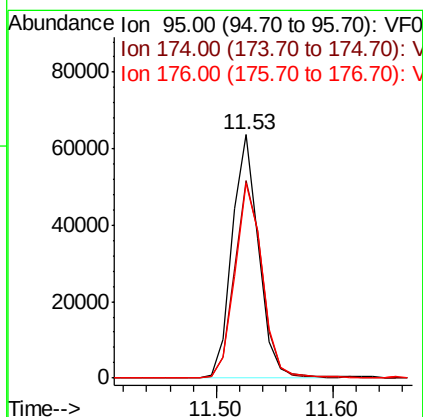
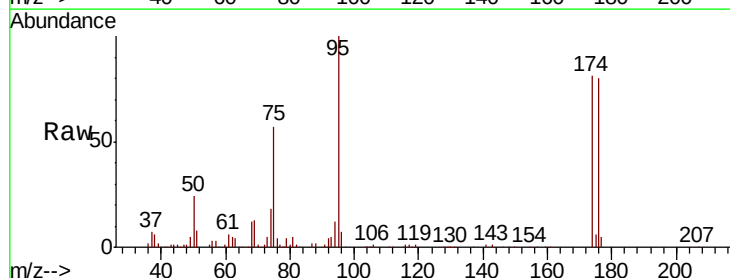
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

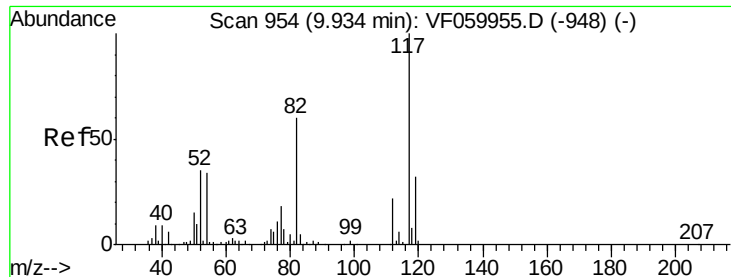
Tot Ion:107 Resp: 51583
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.92 ug/l
 RT: 11.53 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion: 95 Resp: 100861
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 156.4
 176 80.0 0.0 146.8

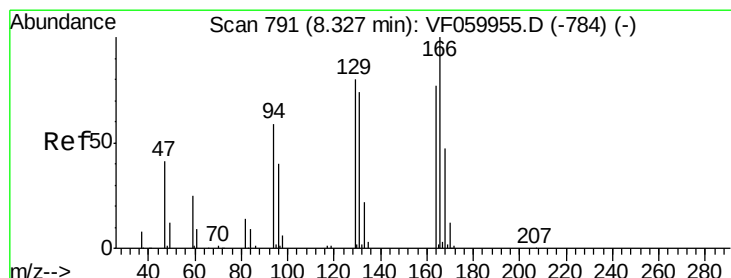
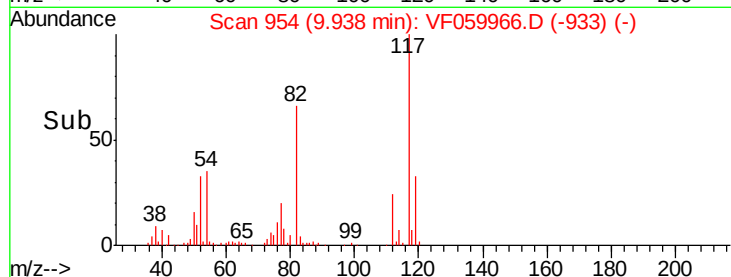
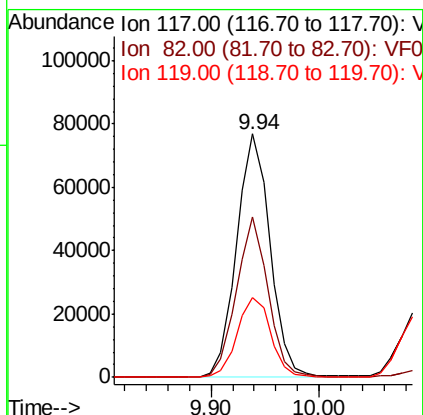
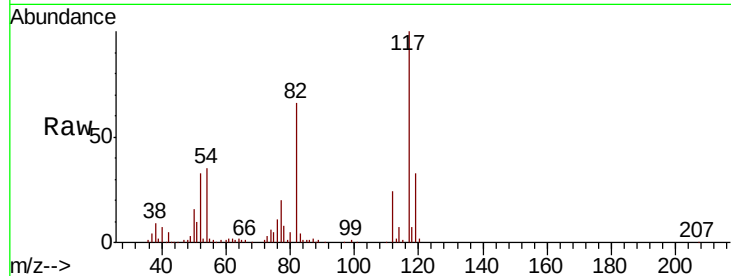




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

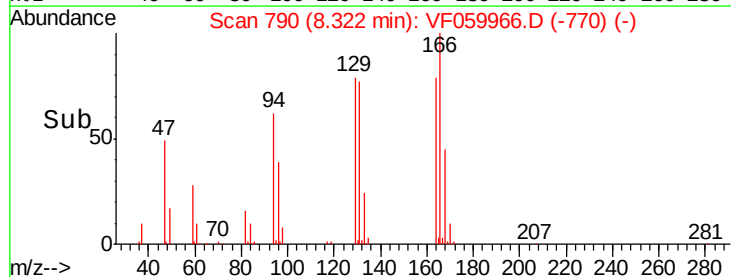
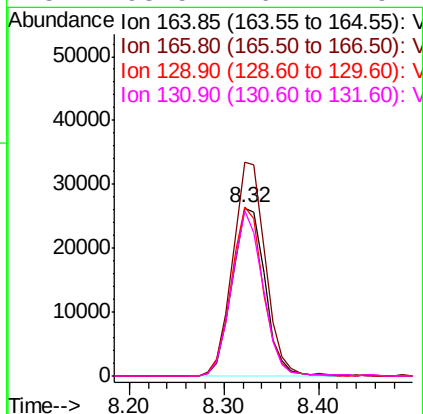
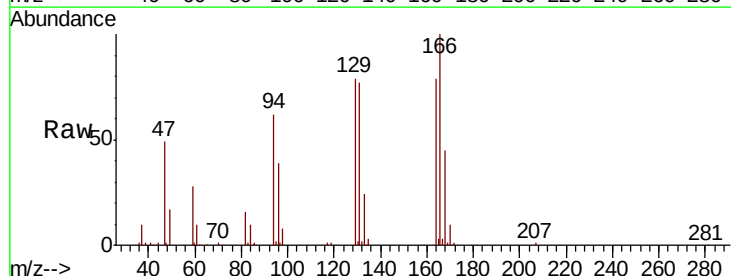
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

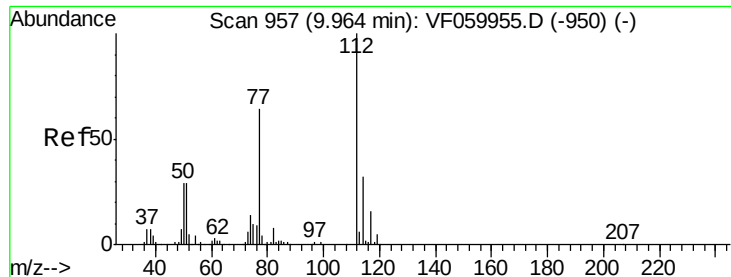
Tot Ion:117 Resp: 165772
Ion Ratio Lower Upper
117 100
82 65.9 48.3 72.5
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 48.93 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion:164 Resp: 63147
Ion Ratio Lower Upper
164 100
166 127.3 103.4 155.2
129 100.9 82.2 123.4
131 98.5 76.7 115.1





#65

Chlorobenzene

Concen: 48.59 ug/l

RT: 9.96 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

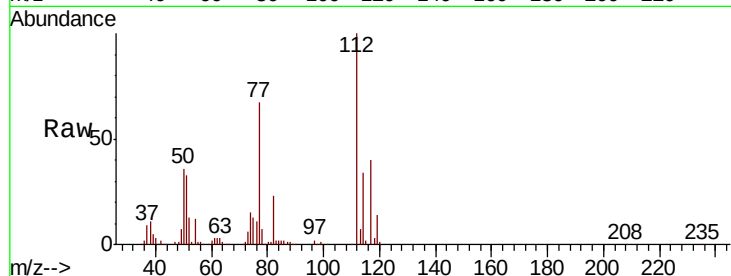
VSTDCCC050EC

Tot Ion:112 Resp: 155602

Ion Ratio Lower Upper

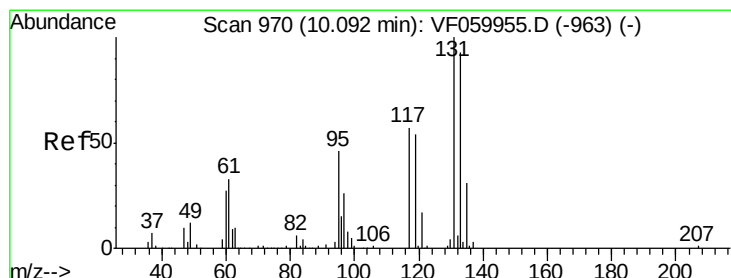
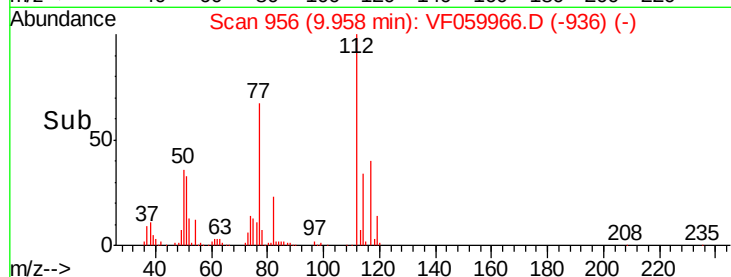
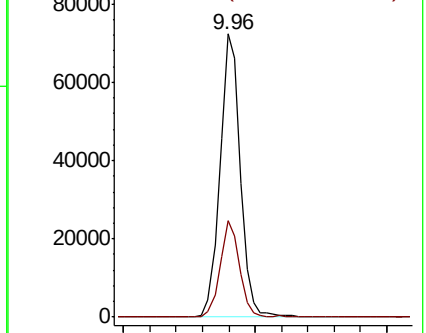
112 100

114 34.3 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.32 ug/l

RT: 10.09 min Scan# 969

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

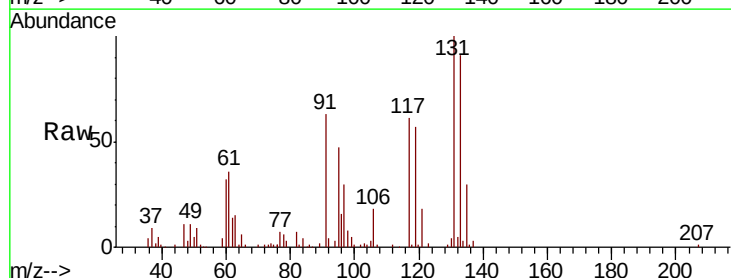
Tgt Ion:131 Resp: 74778

Ion Ratio Lower Upper

131 100

133 90.6 46.4 139.1

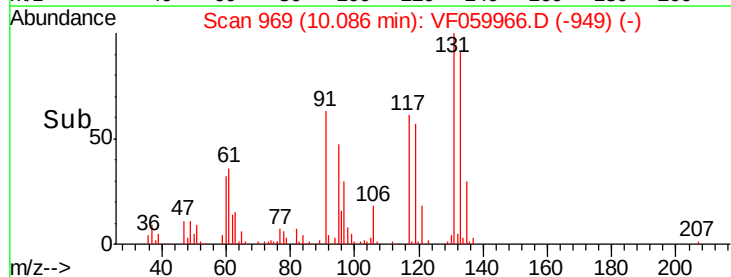
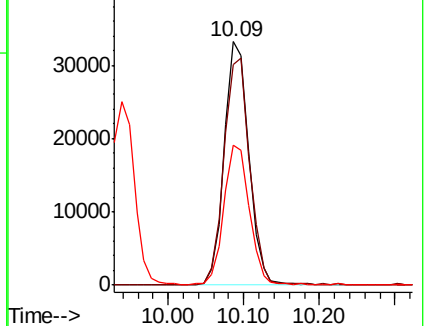
119 57.4 27.2 81.5

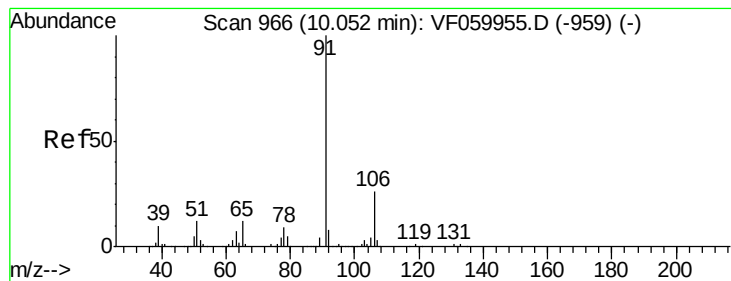


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 48.66 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

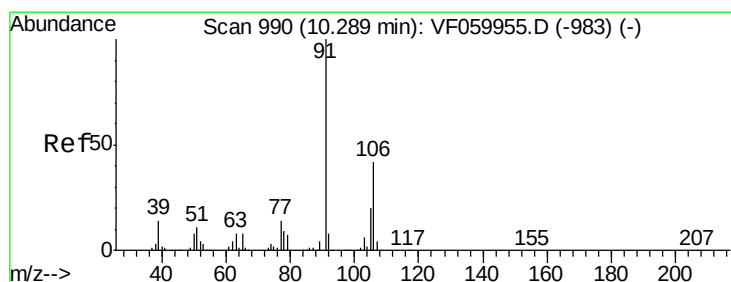
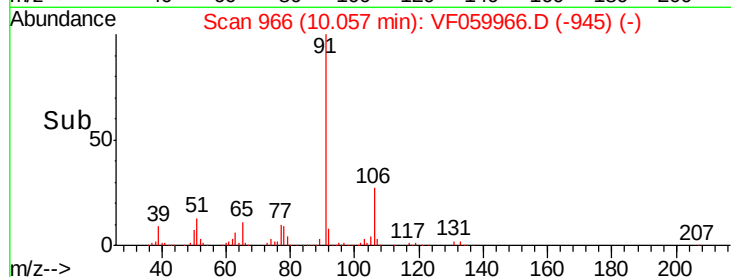
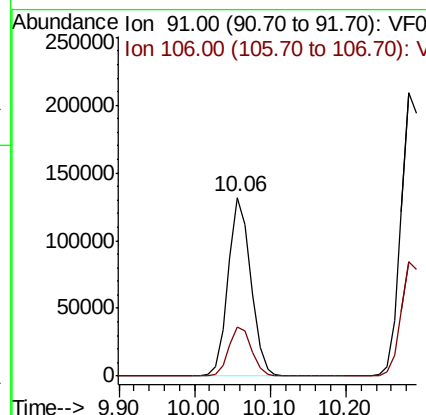
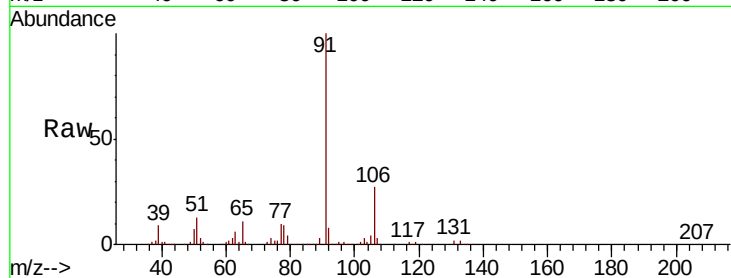
VSTDCCC050EC

Tot Ion: 91 Resp: 275222

Ion Ratio Lower Upper

91 100

106 27.5 20.7 31.1



#68

m/p-Xylenes

Concen: 94.59 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.01 min

Lab File: VF059966.D

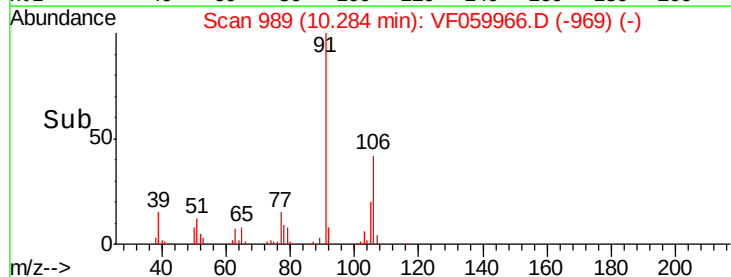
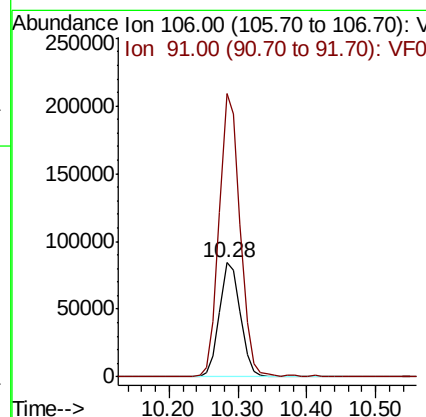
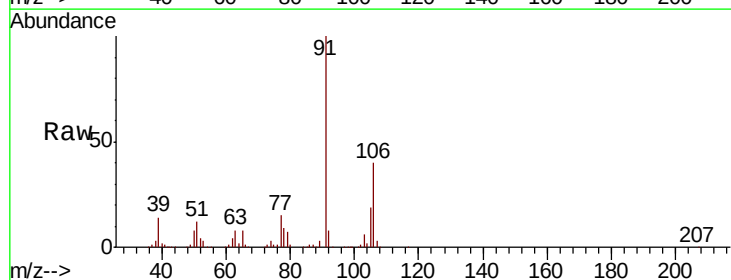
Acq: 15 Aug 2018 2:05

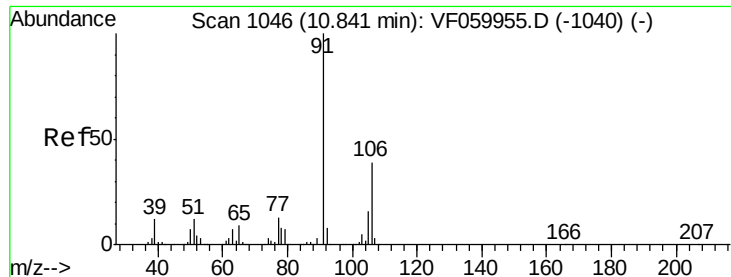
Tgt Ion: 106 Resp: 179914

Ion Ratio Lower Upper

106 100

91 247.9 191.8 287.8

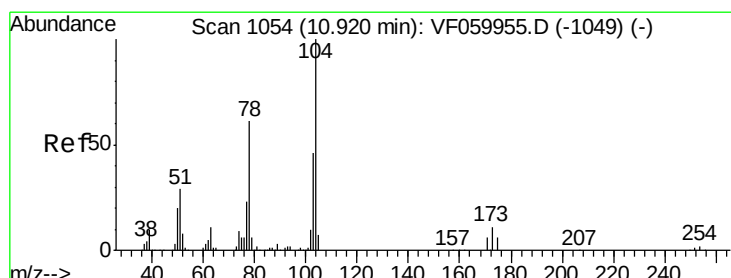
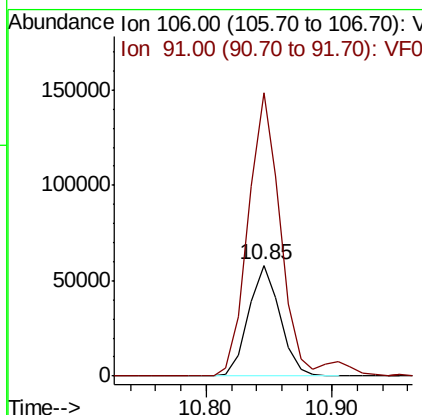
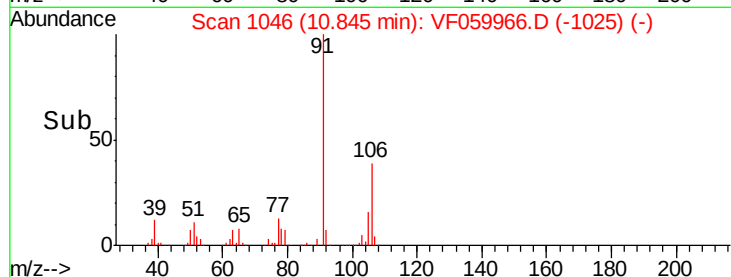
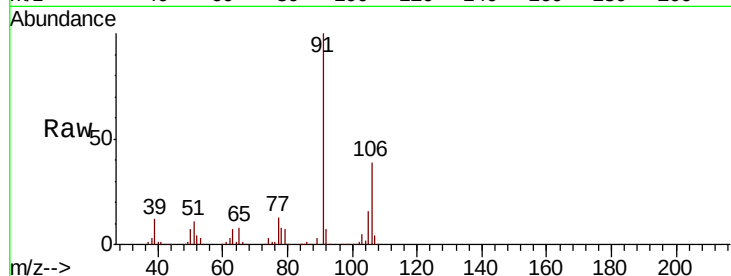




#69
o-Xylene
Concen: 49.07 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

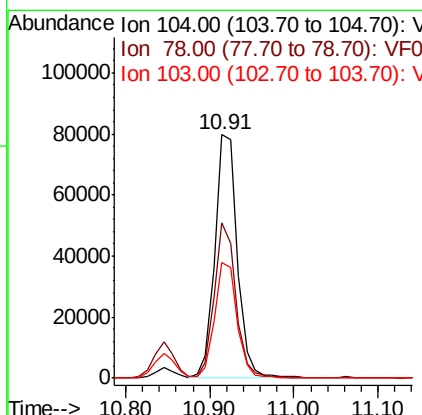
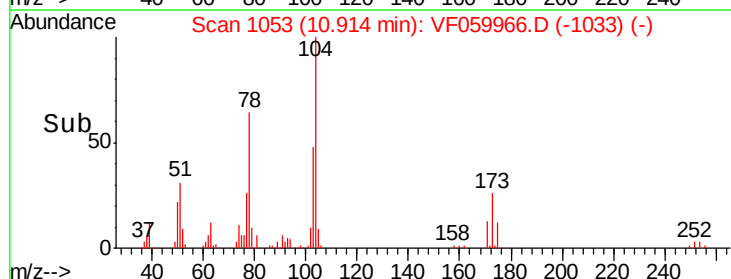
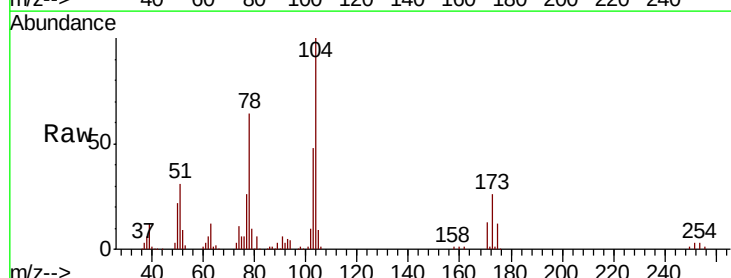
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

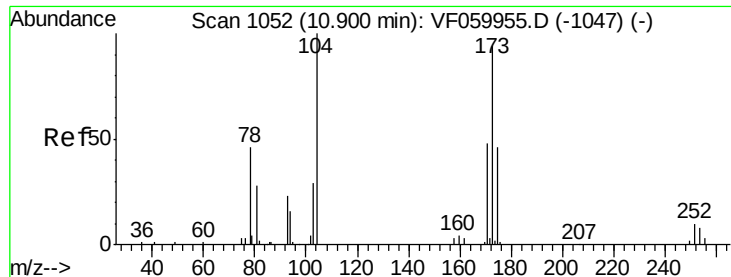
Tot Ion:106 Resp: 101357
Ion Ratio Lower Upper
106 100
91 255.2 126.8 380.6



#70
Styrene
Concen: 48.45 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion:104 Resp: 148061
Ion Ratio Lower Upper
104 100
78 63.8 49.2 73.8
103 47.6 37.4 56.0





#71

Bromoform

Concen: 49.66 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

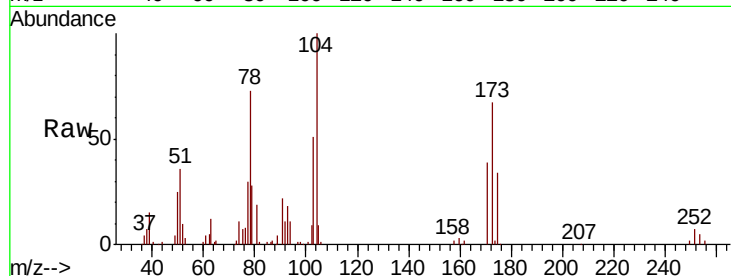
Tot Ion:173 Resp: 47778

Ion Ratio Lower Upper

173 100

175 51.2 24.6 73.6

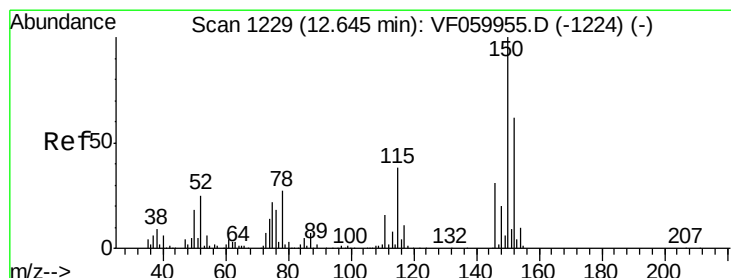
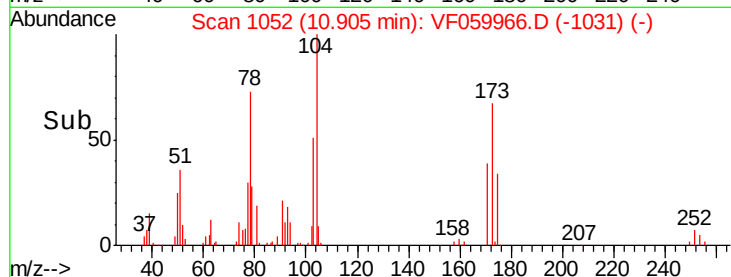
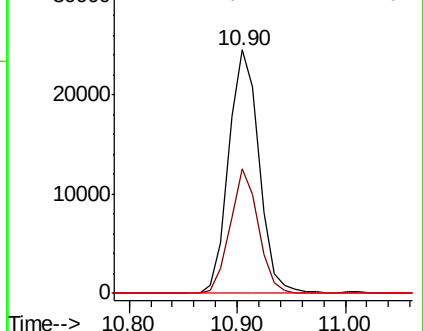
254 0.0 0.0 0.0



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: 12.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

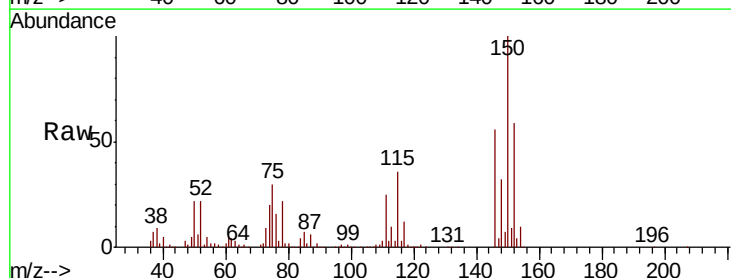
Tgt Ion:152 Resp: 106249

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.0

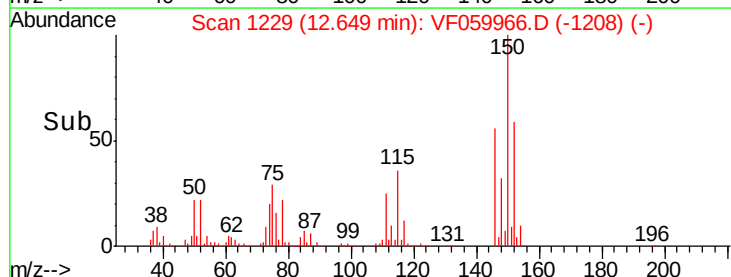
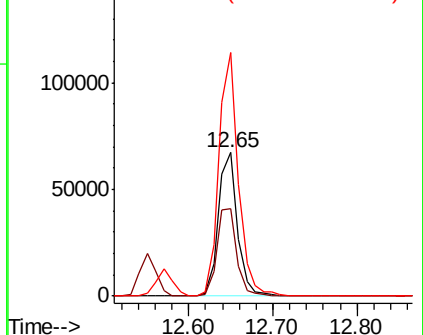
150 170.0 0.0 326.2

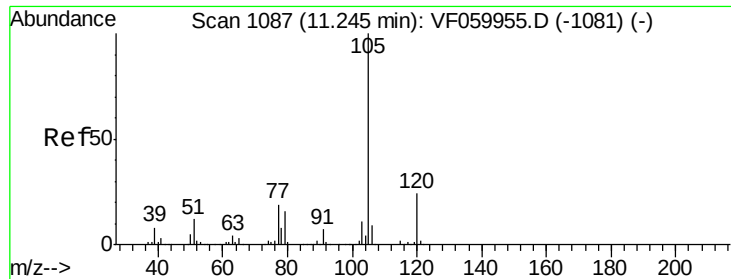


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.97 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

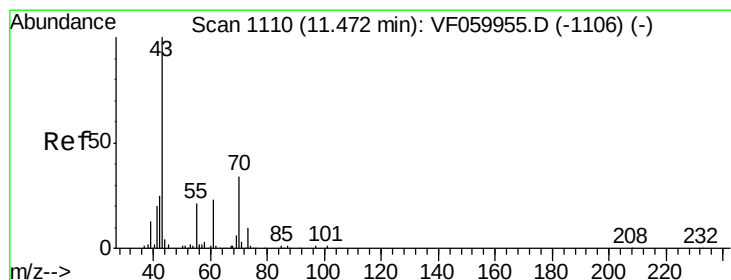
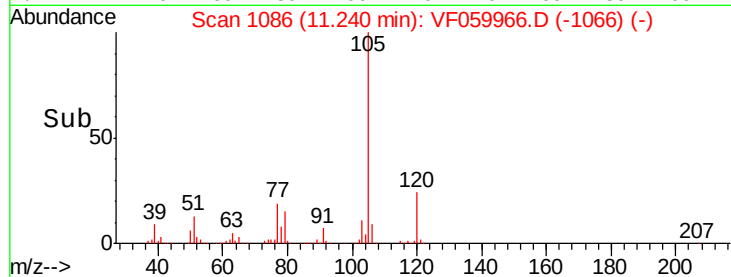
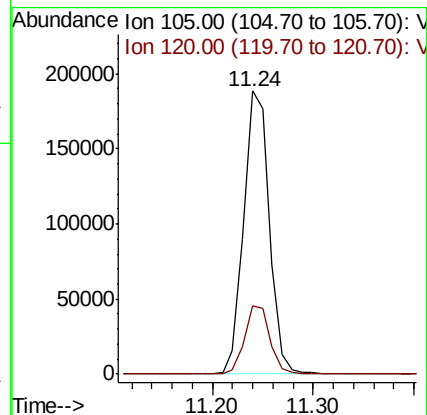
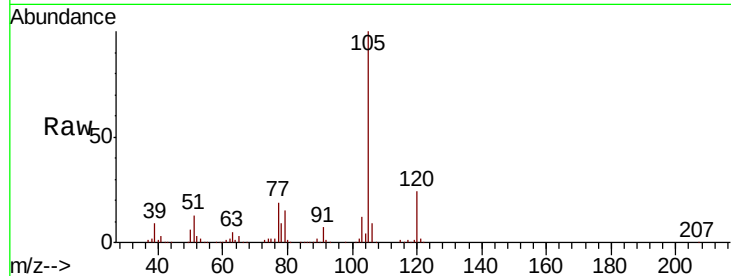
VSTDCCC050EC

Tot Ion:105 Resp: 333916

Ion Ratio Lower Upper

105 100

120 24.2 11.9 35.9



#74

N-ethyl acetate

Concen: 52.62 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion: 43 Resp: 77498

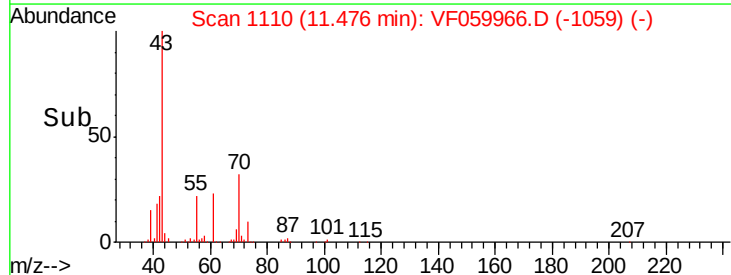
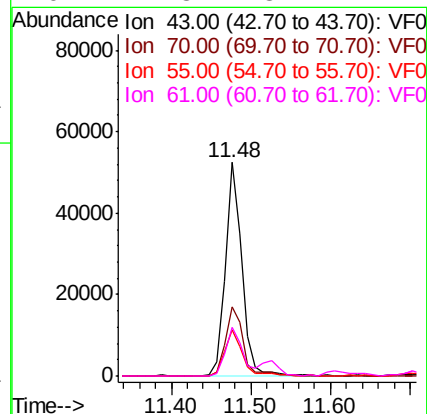
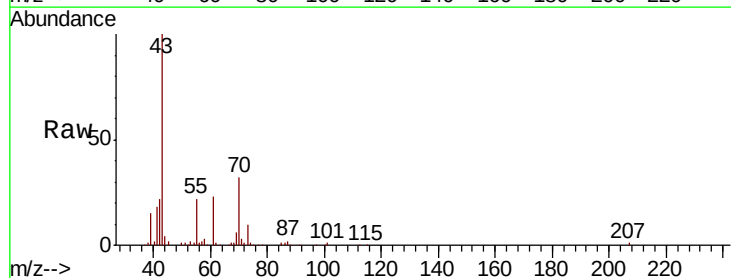
Ion Ratio Lower Upper

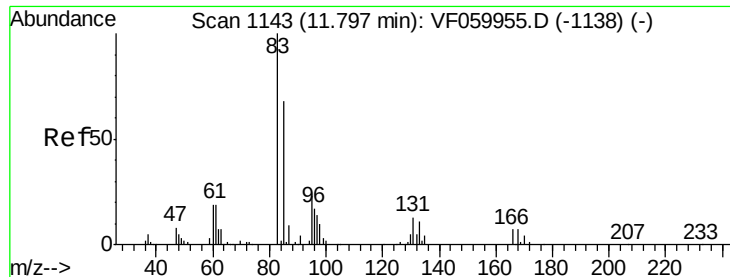
43 100

70 32.5 26.9 40.3

55 21.7 16.9 25.3

61 22.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.34 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

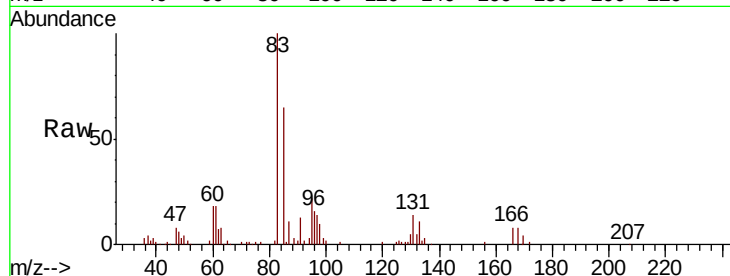
Tot Ion: 83 Resp: 56551

Ion Ratio Lower Upper

83 100

131 13.7 6.3 19.1

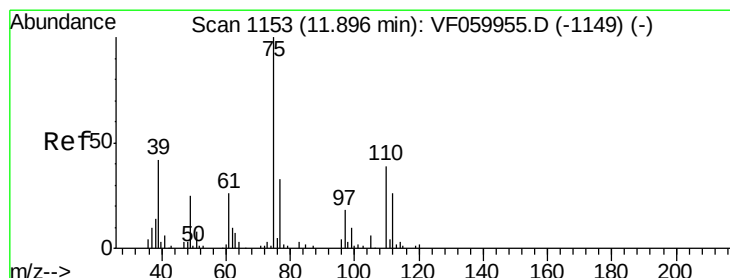
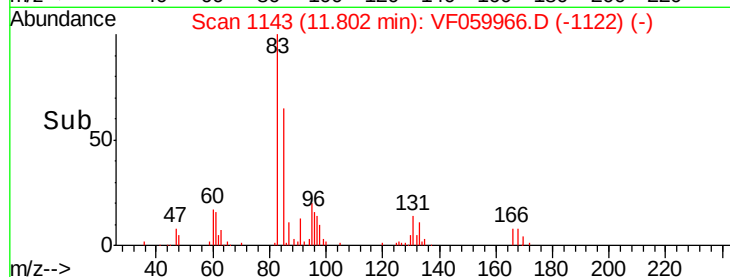
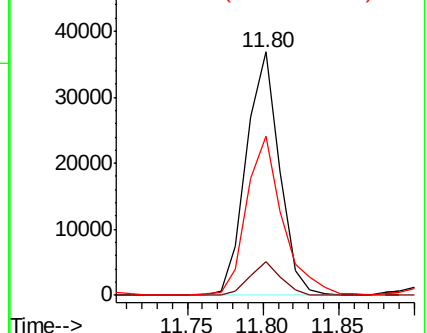
85 65.2 33.9 101.7



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: 51.81 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059966.D

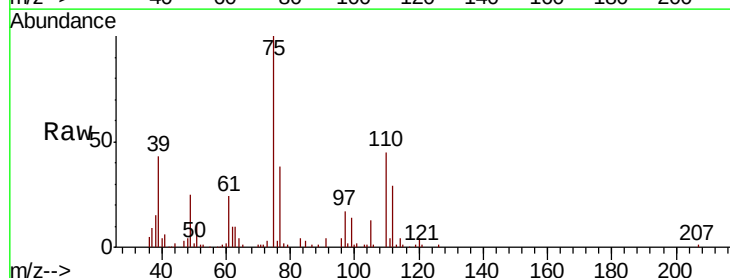
Acq: 15 Aug 2018 2:05

Tgt Ion: 75 Resp: 50176

Ion Ratio Lower Upper

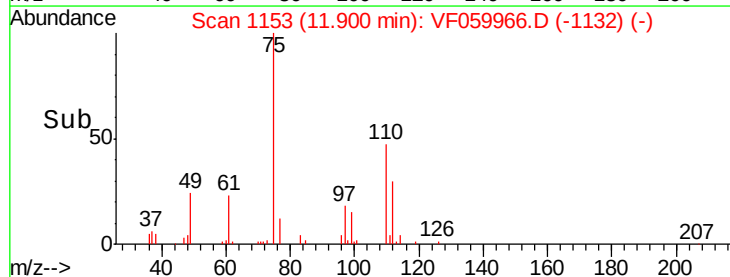
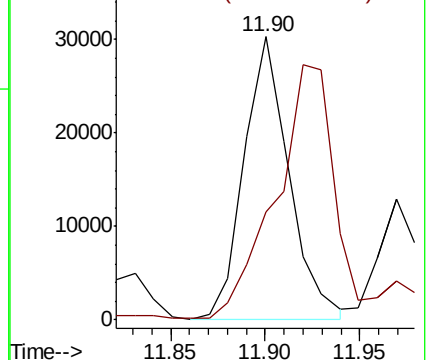
75 100

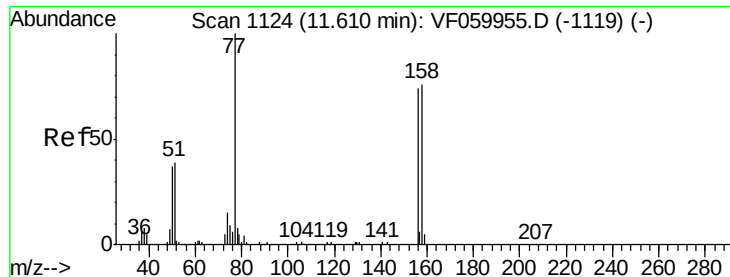
77 38.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.17 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

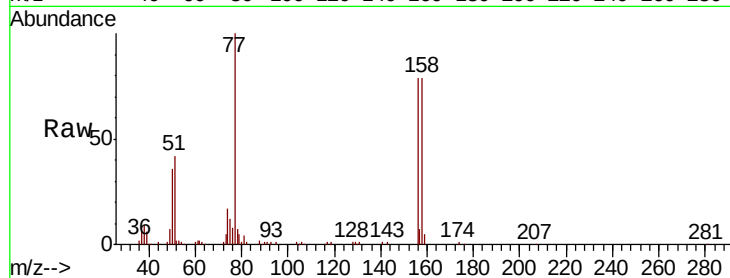
Tot Ion:156 Resp: 84471

Ion Ratio Lower Upper

156 100

77 125.9 67.8 203.2

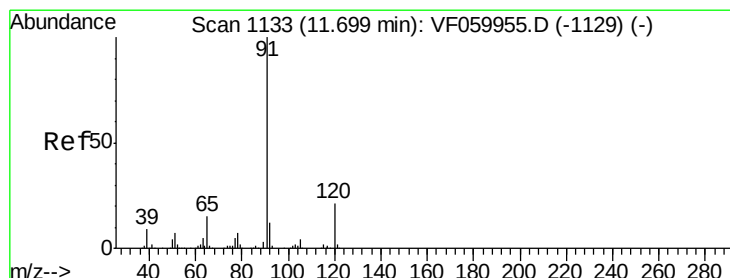
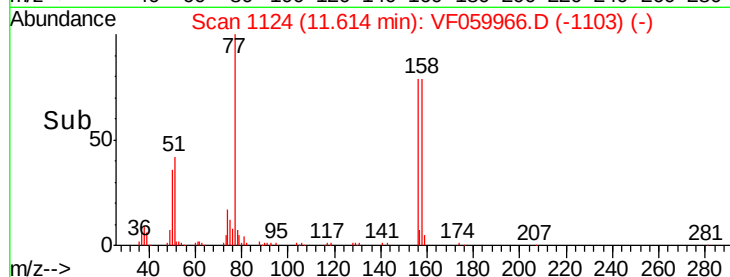
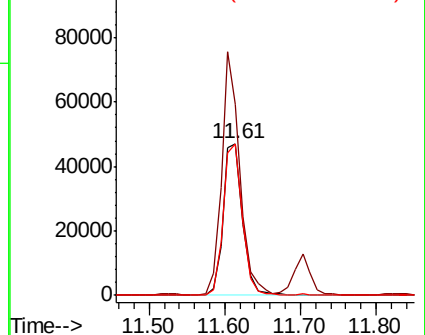
158 99.9 51.7 155.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.09 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059966.D

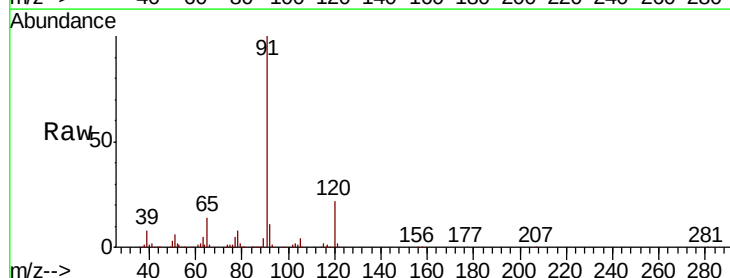
Acq: 15 Aug 2018 2:05

Tgt Ion: 91 Resp: 377056

Ion Ratio Lower Upper

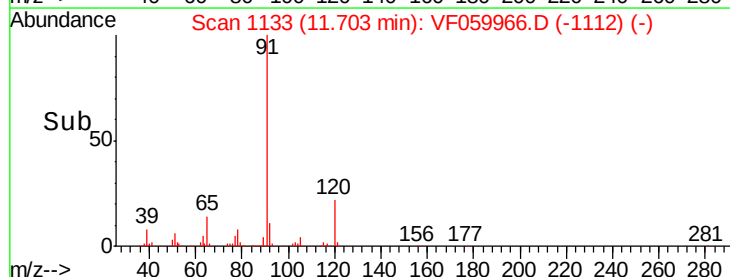
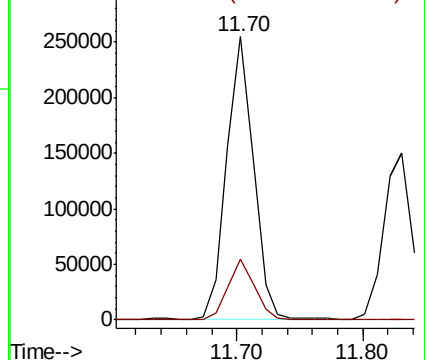
91 100

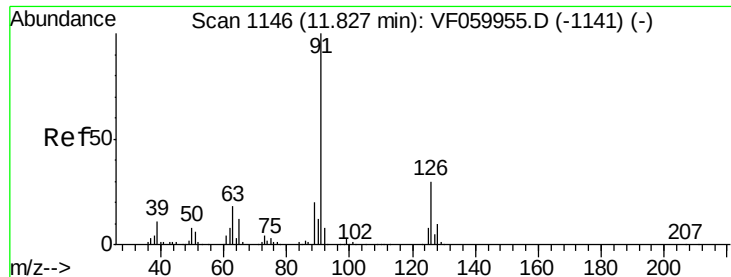
120 21.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.94 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

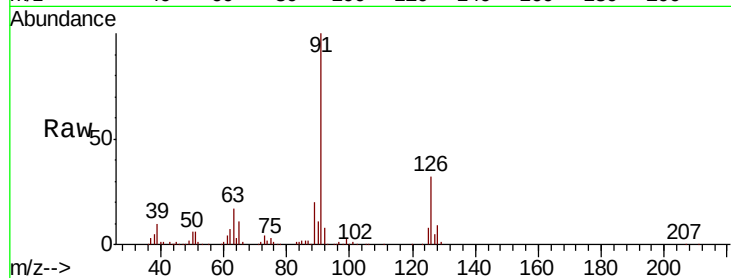
VSTDCCC050EC

Tot Ion: 91 Resp: 235541

Ion Ratio Lower Upper

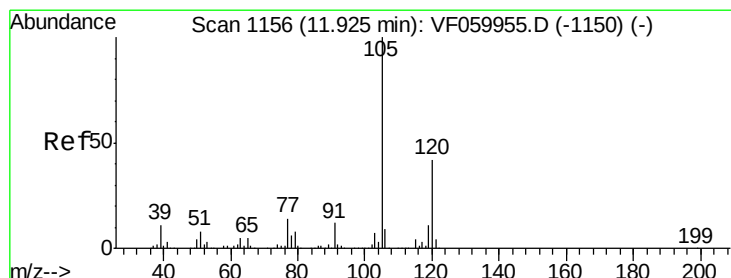
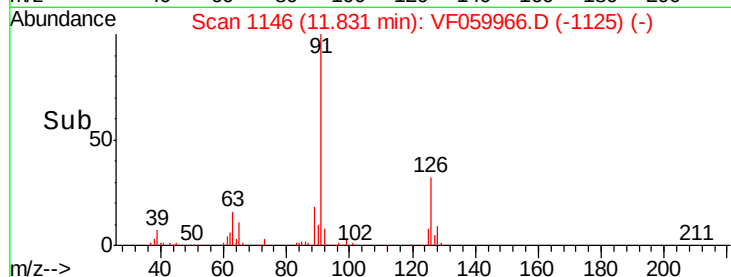
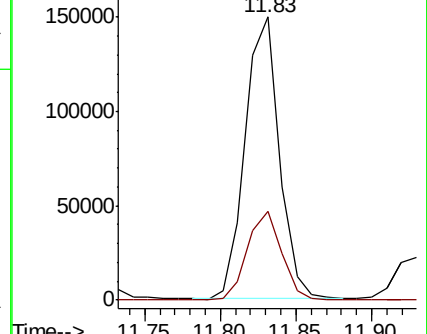
91 100

126 31.5 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 47.89 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059966.D

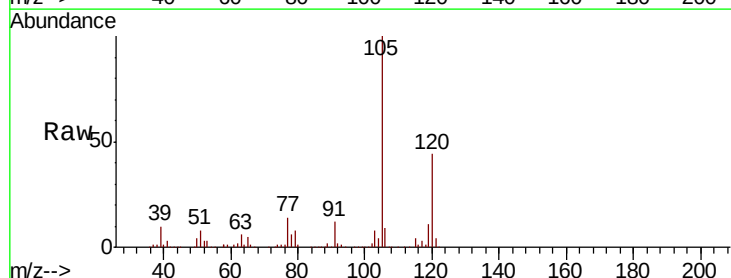
Acq: 15 Aug 2018 2:05

Tgt Ion:105 Resp: 298011

Ion Ratio Lower Upper

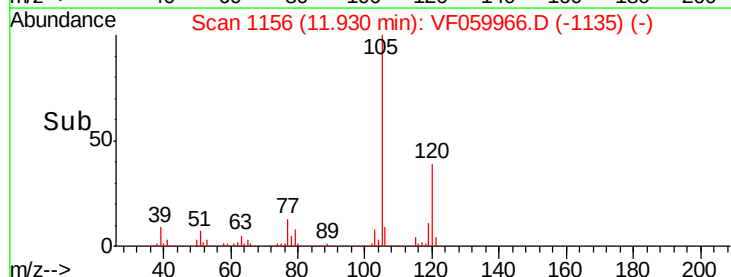
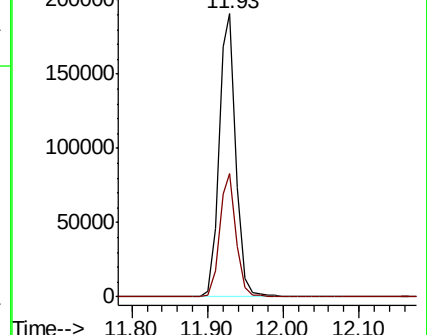
105 100

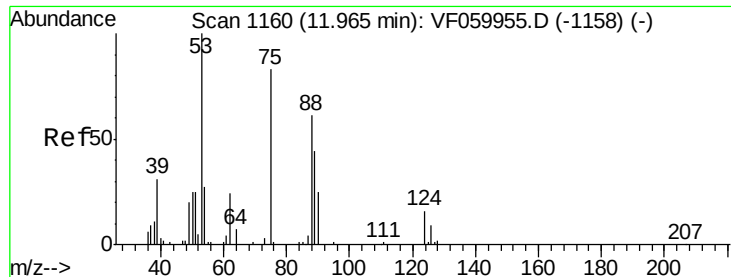
120 43.7 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

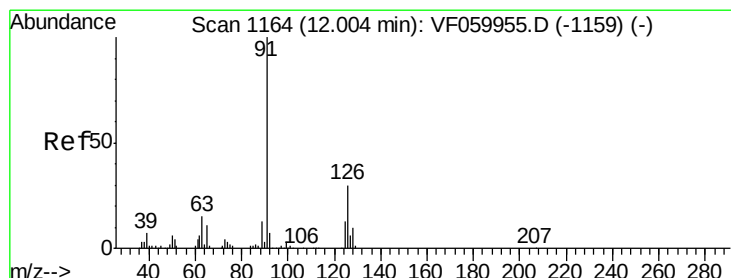
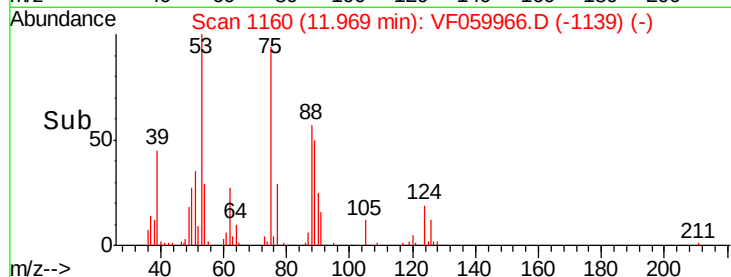
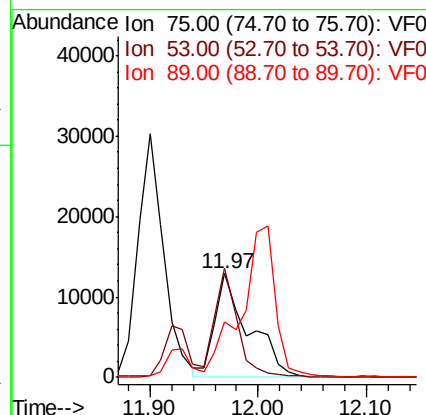
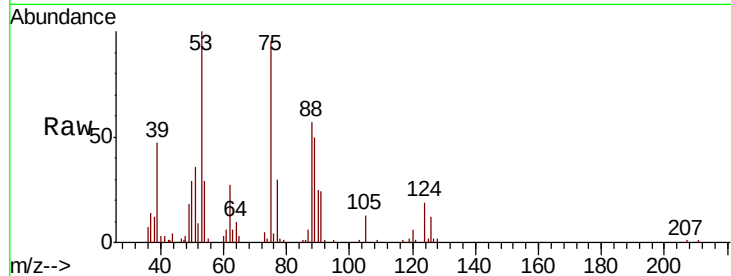




#81
trans-1,4-Dichloro-2-butene
Concen: 71.79 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

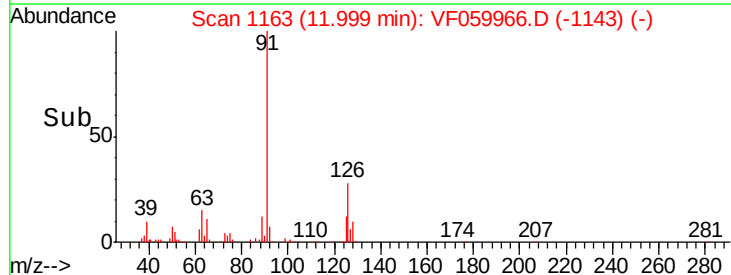
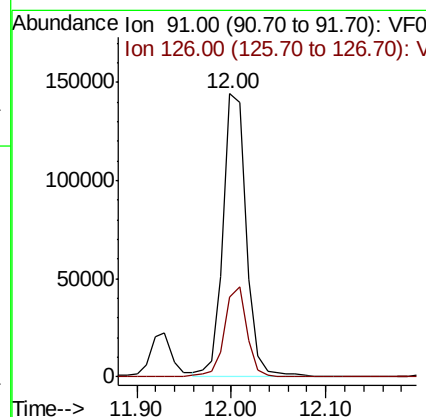
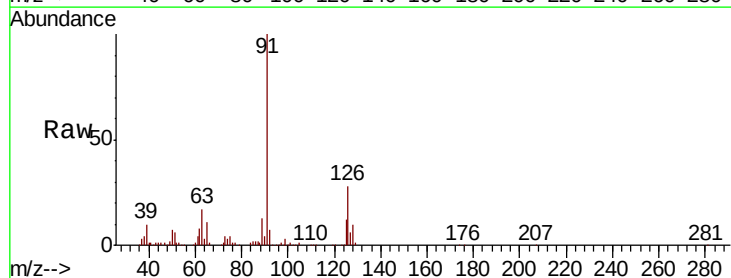
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

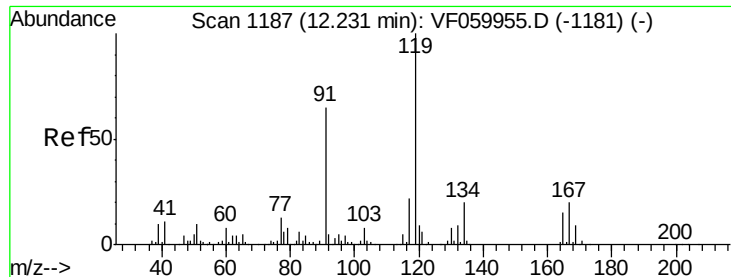
Tot Ion: 75 Resp: 28413
Ion Ratio Lower Upper
75 100
53 105.2 97.1 145.7
89 53.0 43.6 65.4



#82
4-Chlorotoluene
Concen: 45.10 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 91 Resp: 244489
Ion Ratio Lower Upper
91 100
126 28.1 15.3 45.8

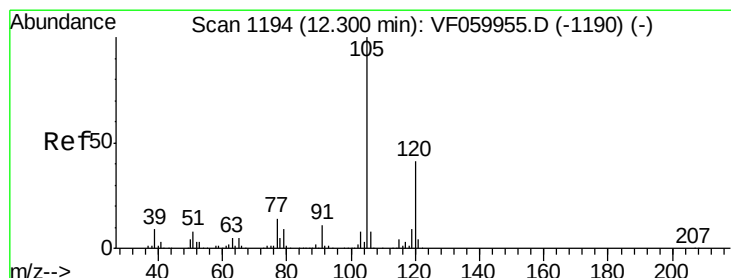
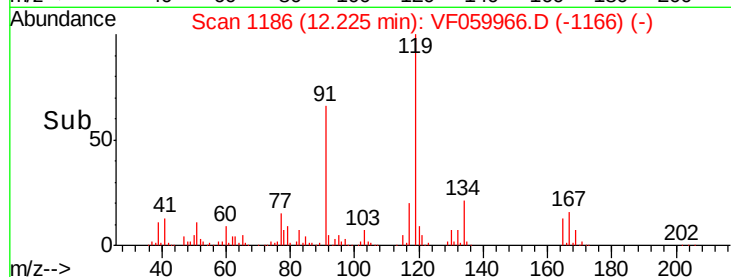
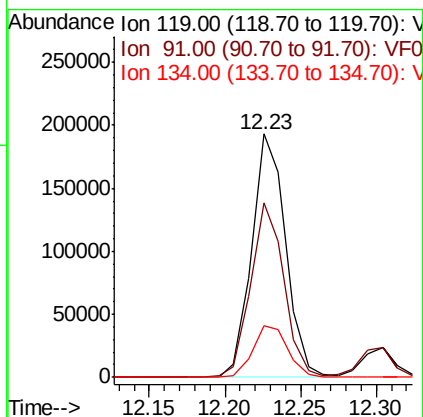
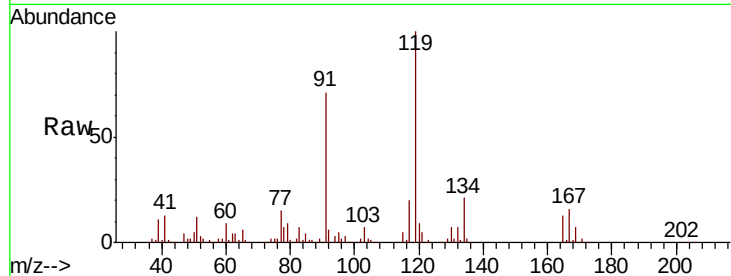




#83
 tert-Butylbenzene
 Concen: 49.25 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

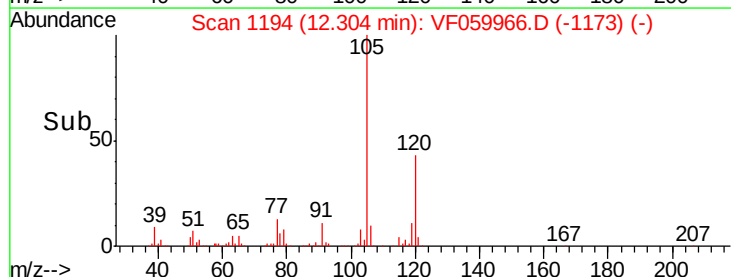
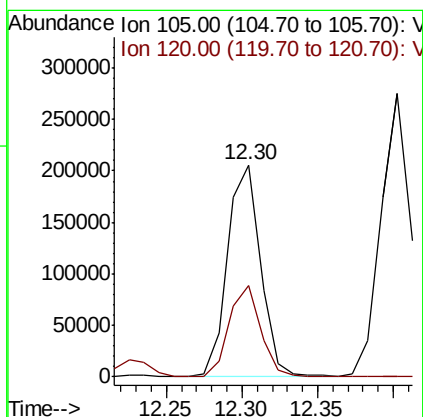
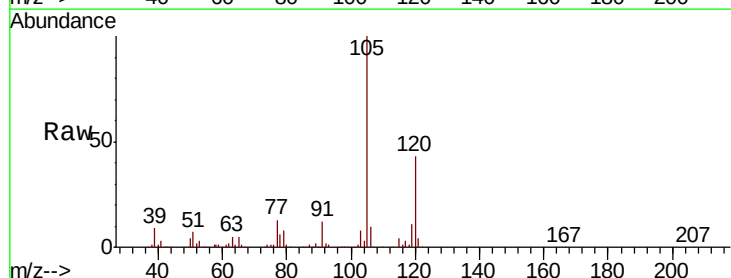
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

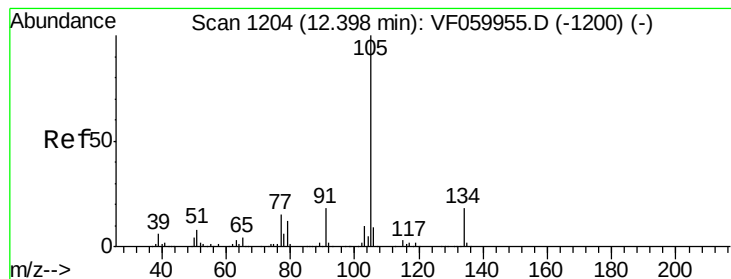
Tot Ion:119 Resp: 301902
 Ion Ratio Lower Upper
 119 100
 91 71.4 32.6 98.0
 134 21.3 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.07 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion:105 Resp: 314032
 Ion Ratio Lower Upper
 105 100
 120 43.1 20.6 61.9





#85

sec-Butylbenzene

Concen: 49.44 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

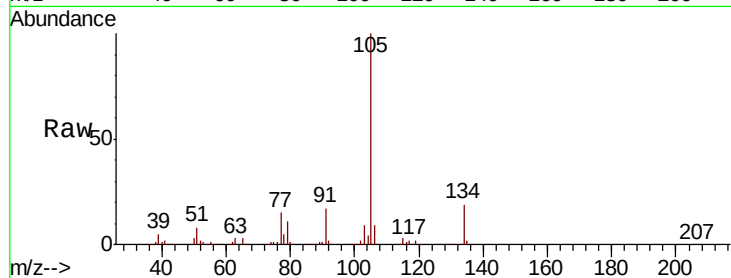
VSTDCCC050EC

Tot Ion:105 Resp: 386129

Ion Ratio Lower Upper

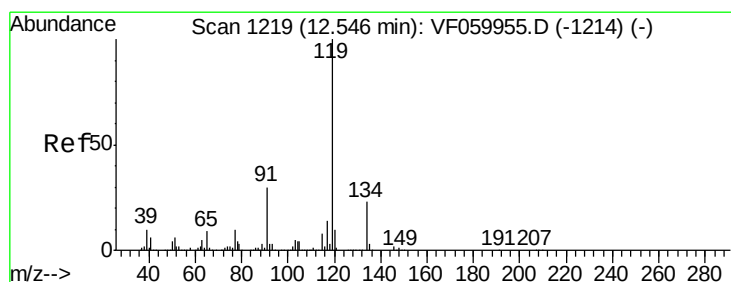
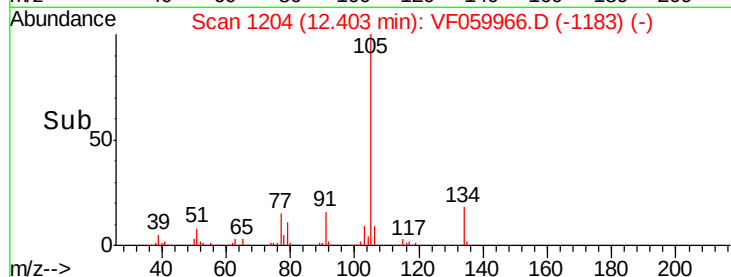
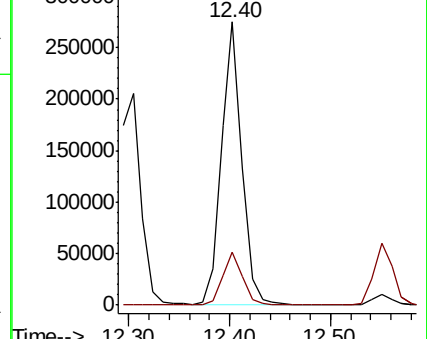
105 100

134 18.5 8.9 26.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.40 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

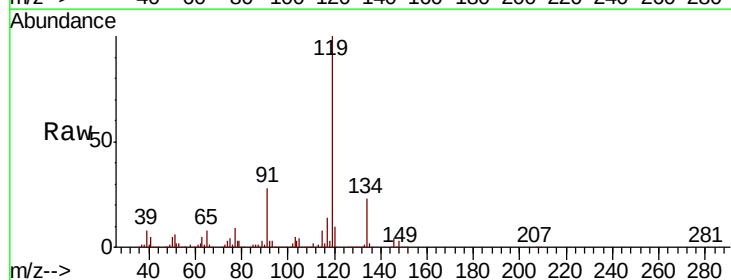
Tgt Ion:119 Resp: 346778

Ion Ratio Lower Upper

119 100

134 23.3 11.4 34.2

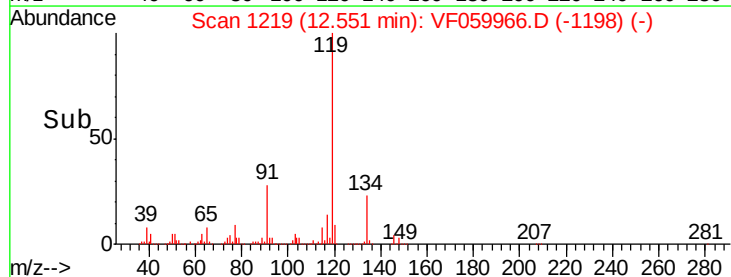
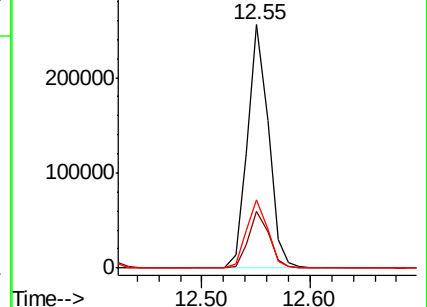
91 28.3 14.8 44.4

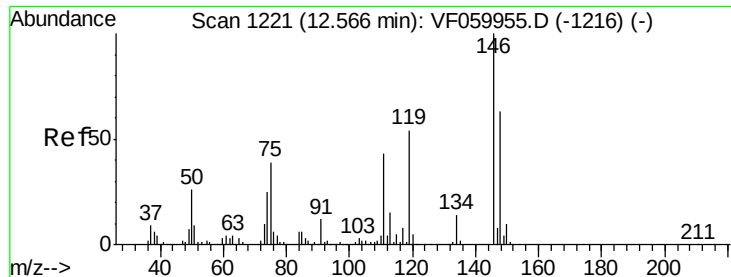


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

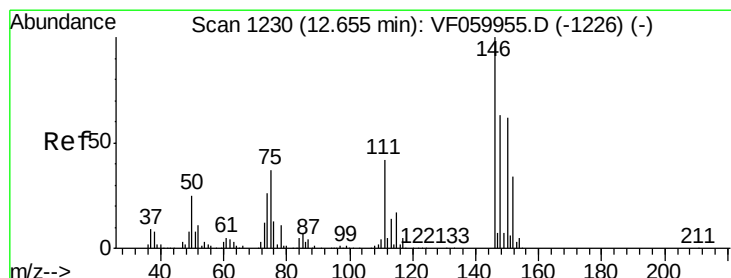
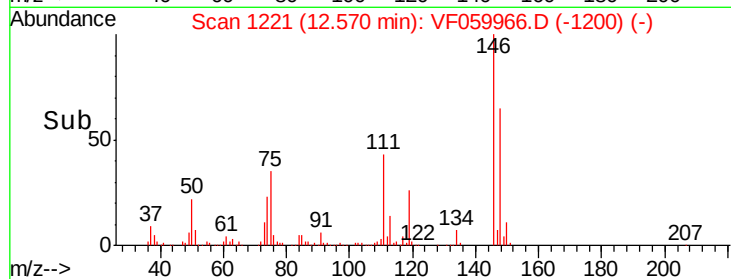
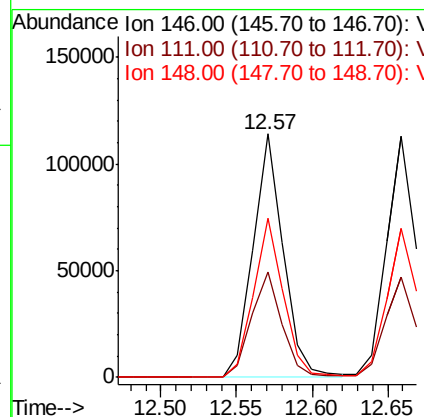
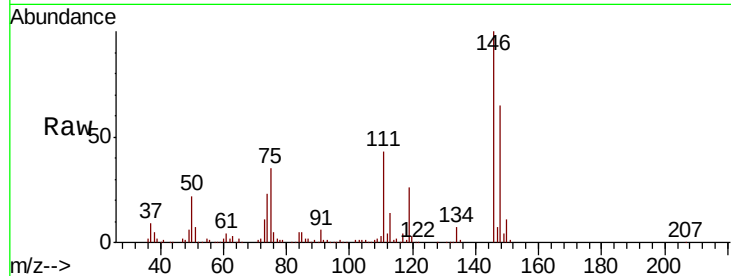




#87
 1,3-Dichlorobenzene
 Concen: 48.05 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

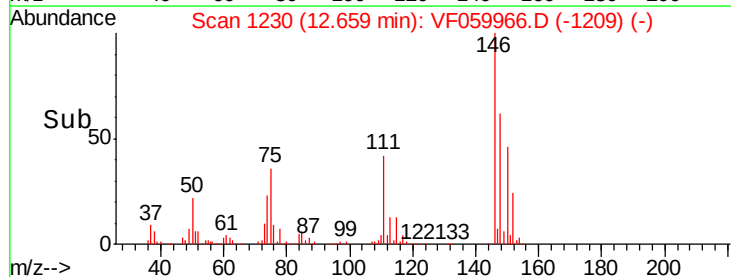
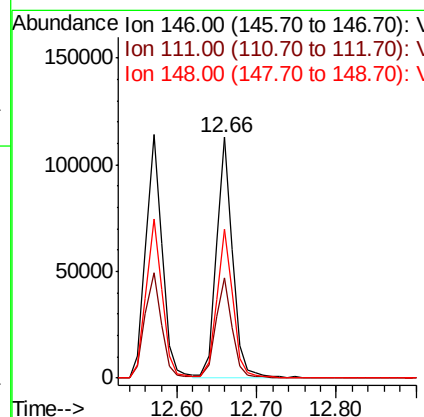
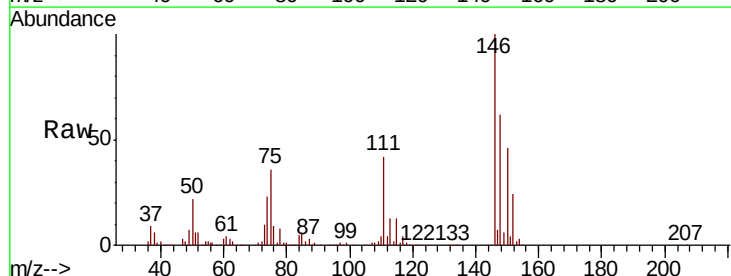
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

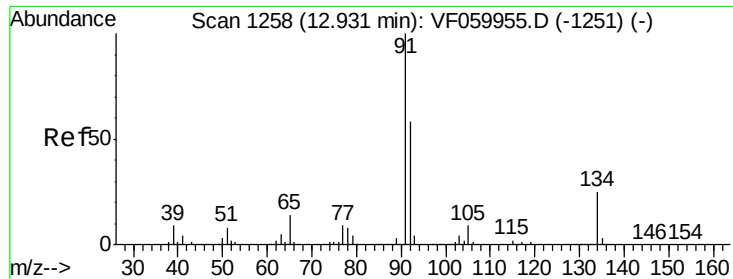
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.9
148	65.2	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	61.9	31.7	95.1

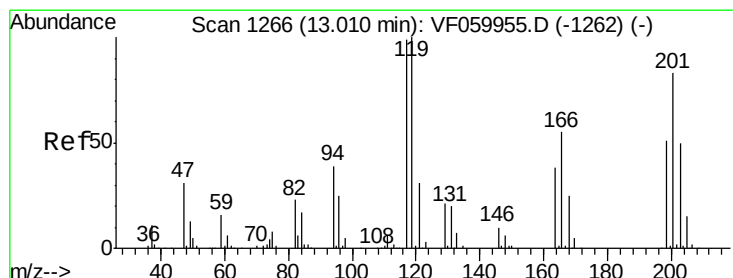
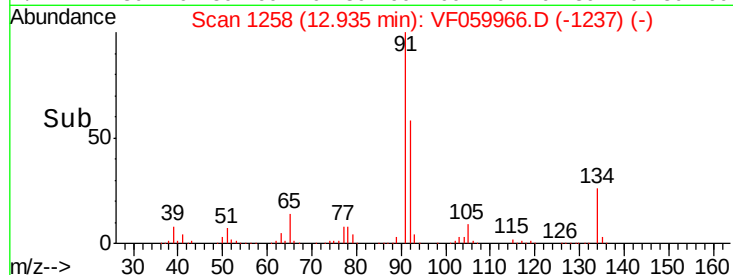
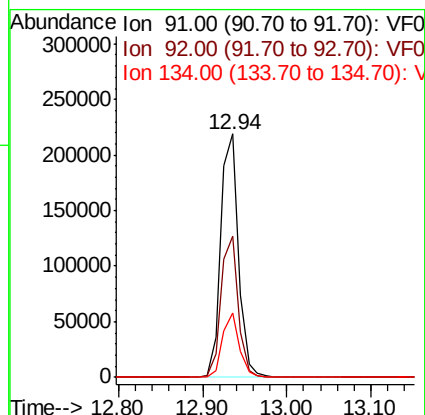
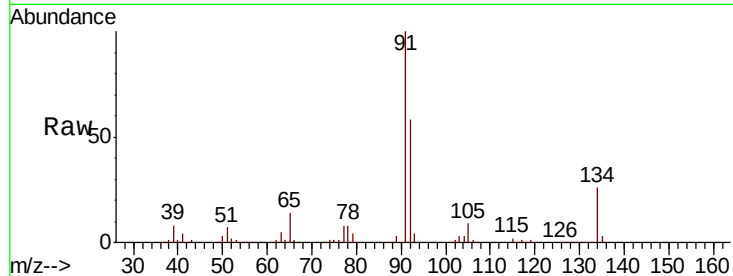




#89
n-Butylbenzene
Concen: 48.28 ug/l
RT: 12.94 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

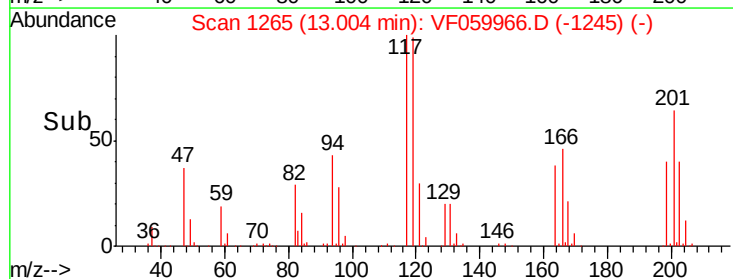
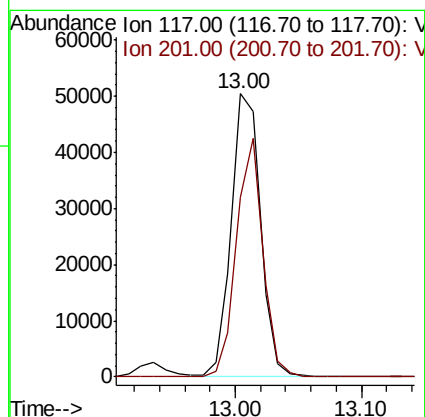
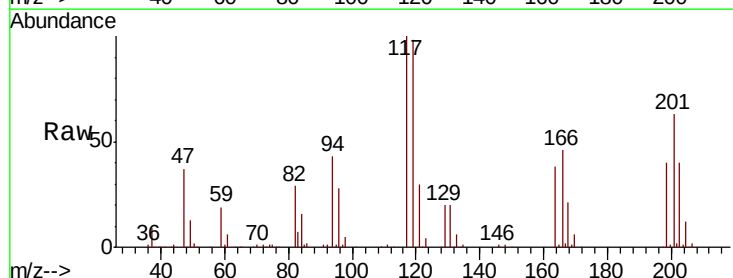
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

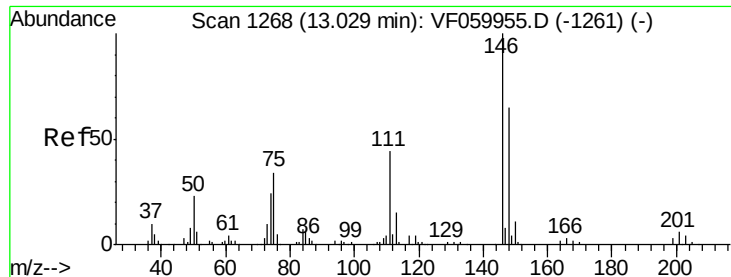
Tot Ion: 91 Resp: 319957
Ion Ratio Lower Upper
91 100
92 58.1 29.2 87.6
134 26.4 12.8 38.3



#90
Hexachloroethane
Concen: 47.59 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 117 Resp: 81056
Ion Ratio Lower Upper
117 100
201 65.6 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 48.26 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

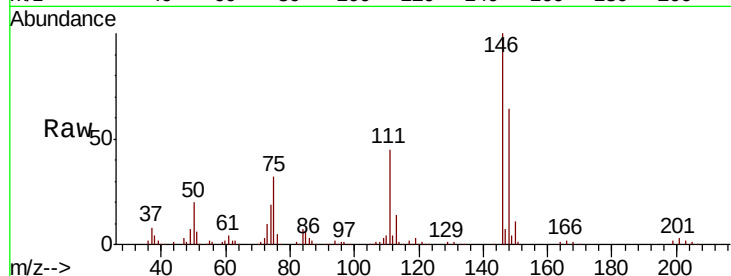
Tot Ion:146 Resp: 155694

Ion Ratio Lower Upper

146 100

111 45.1 22.0 66.0

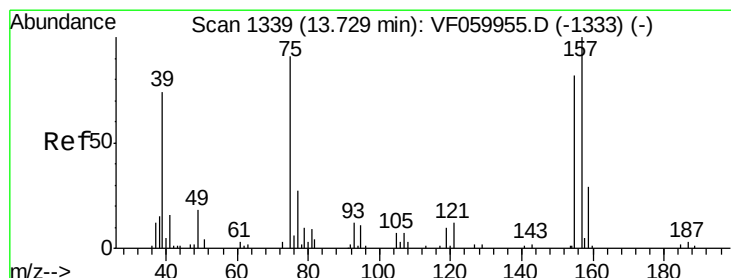
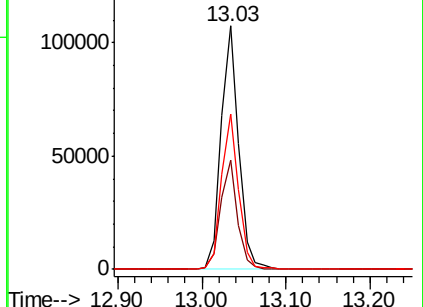
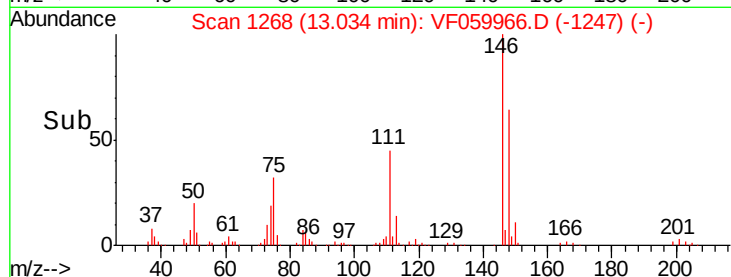
148 63.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.85 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

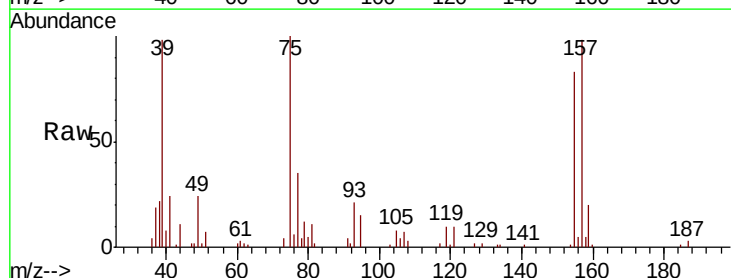
Tgt Ion: 75 Resp: 15173

Ion Ratio Lower Upper

75 100

155 82.9 44.6 134.0

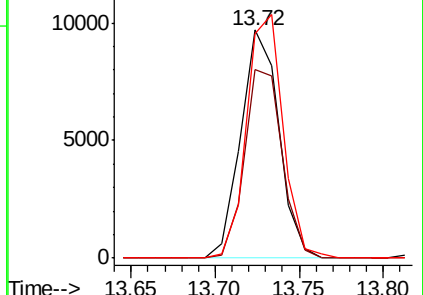
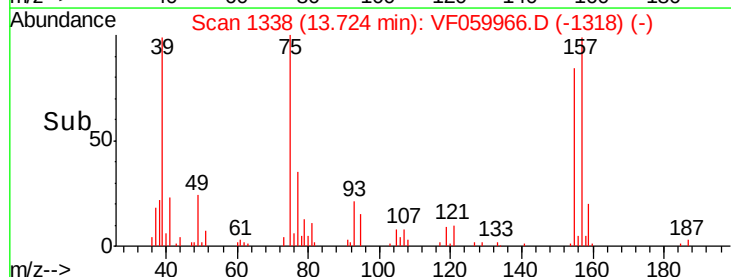
157 98.4 54.8 164.3

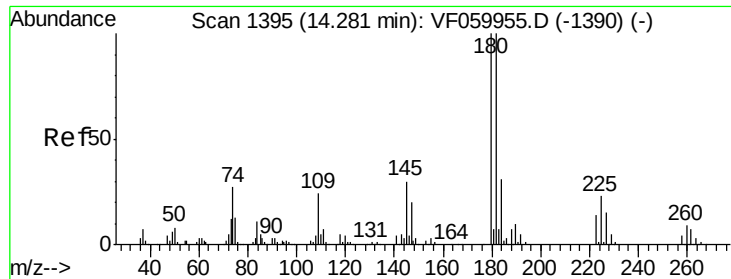


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

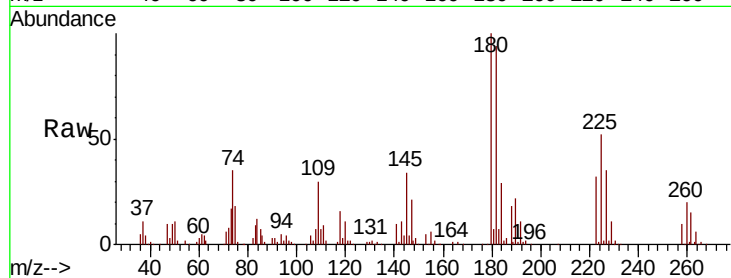




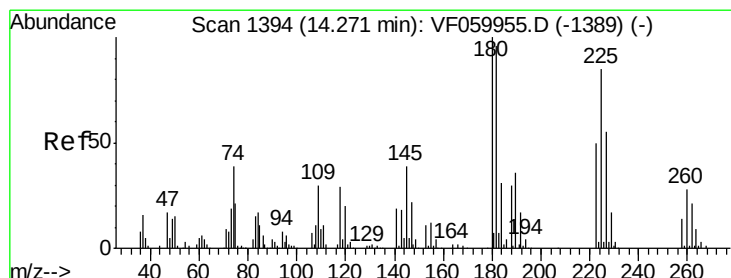
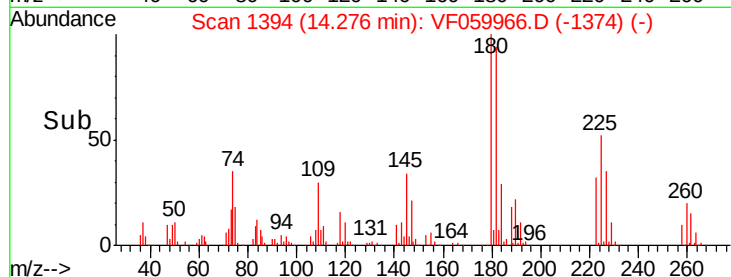
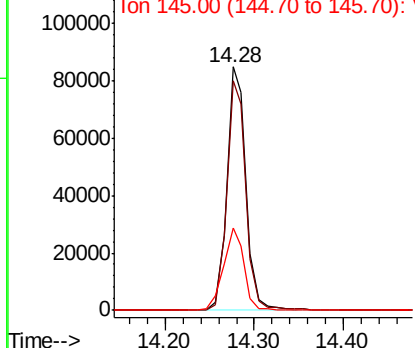
#93
 1,2,4-Trichlorobenzene
 Concen: 49.78 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 128706
 Ion Ratio Lower Upper
 180 100
 182 94.0 50.2 150.7
 145 33.9 14.9 44.9

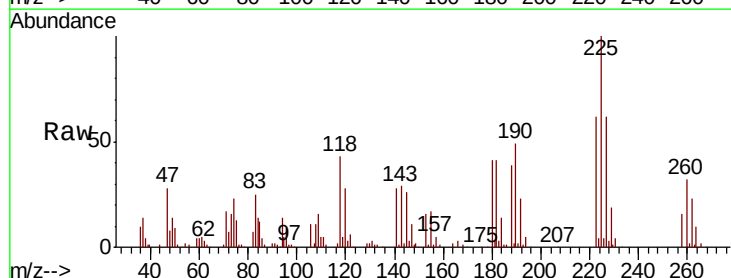


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

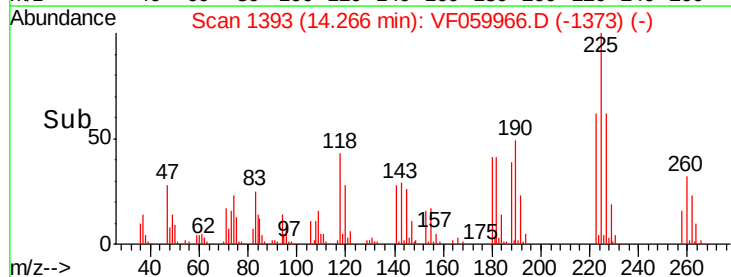
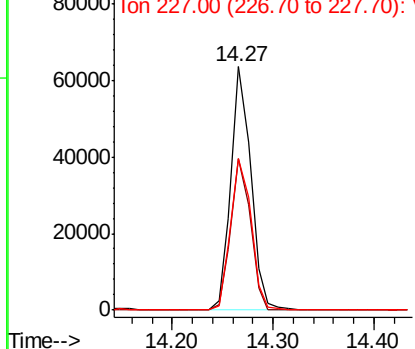


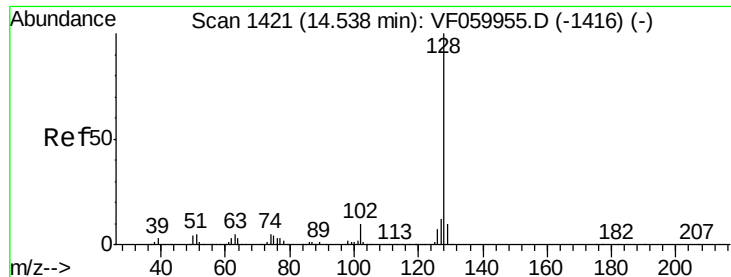
#94
 Hexachlorobutadiene
 Concen: 47.36 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion:225 Resp: 87551
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.6 88.8
 227 62.2 32.5 97.5



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

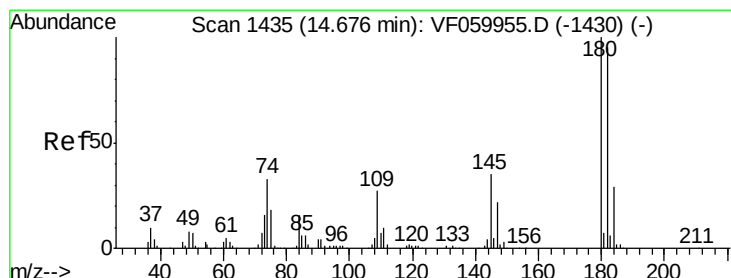
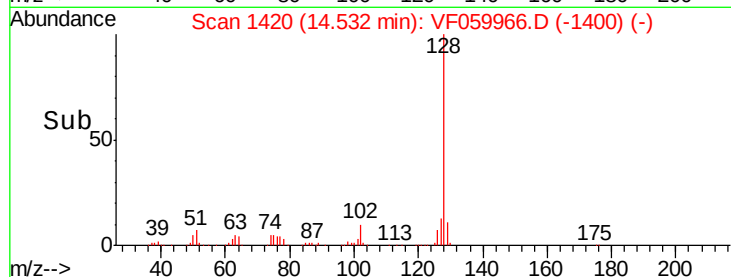
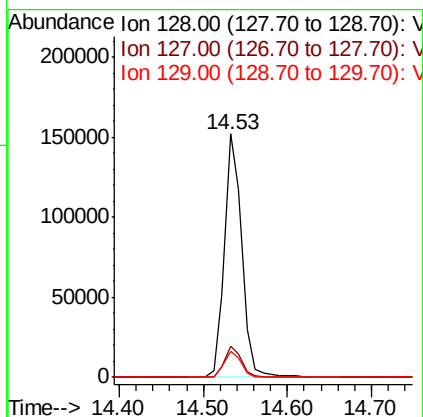
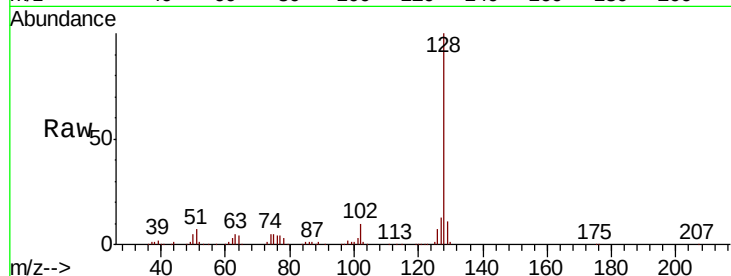




#95
Naphthalene
Concen: 51.80 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.6	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.92 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	32.2	17.6	52.8

