

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059952.D
 Acq On : 14 Aug 2018 18:41
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 15 08:55:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	128817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	166573	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	163153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	109233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	11176	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	
35) Dibromofluoromethane	4.31	113	9068	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	
50) Toluene-d8	7.73	98	18087	5.12	ug/l	0.00
Spiked Amount			Recovery	=	10.24%	
62) 4-Bromofluorobenzene	11.53	95	9930	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	9430	4.39	ug/l	98
3) Chloromethane	1.09	50	4079	4.10	ug/l	97
4) Vinyl Chloride	1.17	62	4179	4.05	ug/l	89
5) Bromomethane	1.34	94	4415	4.56	ug/l #	64
6) Chloroethane	1.43	64	2771	4.28	ug/l	93
7) Trichlorofluoromethane	1.53	101	7199	2.52	ug/l	95
8) Diethyl Ether	1.71	74	1741	3.91	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.91	101	6713	4.32	ug/l	89
10) Methyl Iodide	1.97	142	8382	3.53	ug/l	98
11) Tert butyl alcohol	2.69	59	2130	22.43	ug/l	93
12) 1,1-Dichloroethene	1.87	96	4936	4.34	ug/l	79
13) Acrolein	2.10	56	1305	23.12	ug/l #	43
14) Allyl chloride	2.20	41	9276	5.08	ug/l	99
15) Acrylonitrile	3.09	53	3229	19.46	ug/l #	62
16) Acetone	2.34	43	13016	30.22	ug/l #	92
17) Carbon Disulfide	1.89	76	13424	4.49	ug/l	95
18) Methyl Acetate	2.46	43	3687	5.20	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	14333	4.45	ug/l #	88
20) Methylene Chloride	2.35	84	4929	4.23	ug/l #	77
21) trans-1,2-Dichloroethene	2.43	96	5342	4.75	ug/l	84
22) Diisopropyl ether	2.94	45	16544	4.54	ug/l	91
23) Vinyl Acetate	3.34	43	36891	20.78	ug/l #	95
24) 1,1-Dichloroethane	3.02	63	12500	4.72	ug/l #	94
25) 2-Butanone	4.52	43	10920	23.63	ug/l #	75
26) 2,2-Dichloropropane	3.78	77	7968	5.07	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	5516	4.40	ug/l	93
28) Bromochloromethane	3.91	49	5011	5.28	ug/l	92
29) Tetrahydrofuran	4.28	42	3685	21.66	ug/l	97
30) Chloroform	4.05	83	15385	4.29	ug/l	95
31) Cyclohexane	3.89	56	5473	4.19	ug/l #	86
32) 1,1,1-Trichloroethane	4.28	97	13737	4.78	ug/l #	75
36) 1,1-Dichloropropene	4.48	75	9690	5.12	ug/l	91
37) Ethyl Acetate	4.30	43	3620	4.46	ug/l #	33
38) Carbon Tetrachloride	4.19	117	16591	5.88	ug/l #	84

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
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 VSTDIC005

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	6510	4.62	ug/l	90
40) Benzene	4.82	78	16521	2.59	ug/l #	78
41) Methacrylonitrile	4.93	41	2007	4.73	ug/l #	79
42) 1,2-Dichloroethane	5.14	62	12983	4.92	ug/l	97
43) Isopropyl Acetate	7.13	43	4017	4.70	ug/l	98
44) Trichloroethene	5.69	130	6271	4.99	ug/l	83
45) 1,2-Dichloropropane	6.42	63	4296	4.94	ug/l	97
46) Dibromomethane	6.27	93	4287	4.87	ug/l #	76
47) Bromodichloromethane	6.57	83	11594	4.80	ug/l	99
48) Methyl methacrylate	6.89	41	2815	4.27	ug/l	94
49) 1,4-Dioxane	6.87	88	96	61.29	ug/l #	19
51) 4-Methyl-2-Pentanone	8.42	43	20074	23.13	ug/l	100
52) Toluene	7.79	92	11510	4.79	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	9354	5.01	ug/l	91
54) cis-1,3-Dichloropropene	7.47	75	8121	4.25	ug/l #	85
55) 1,1,2-Trichloroethane	8.66	97	3701	4.28	ug/l #	78
56) Ethyl methacrylate	8.79	69	3527	7.11	ug/l	90
57) 1,3-Dichloropropane	9.02	76	6730	4.49	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	2678	23.44	ug/l	100
59) 2-Hexanone	9.64	43	14371	23.30	ug/l	98
60) Dibromochloromethane	8.87	129	7371	4.53	ug/l	86
61) 1,2-Dibromoethane	9.15	107	4284	4.07	ug/l	96
64) Tetrachloroethene	8.32	164	7496	5.50	ug/l #	82
65) Chlorobenzene	9.96	112	17444	5.34	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.09	131	7580	4.69	ug/l	82
67) Ethyl Benzene	10.06	91	28600	5.06	ug/l	93
68) m/p-Xylenes	10.28	106	20068	10.26	ug/l	93
69) o-Xylene	10.85	106	9813	4.78	ug/l	92
70) Styrene	10.91	104	14167	4.57	ug/l	93
71) Bromoform	10.89	173	4993	5.01	ug/l	88
73) Isopropylbenzene	11.24	105	32251	4.77	ug/l	99
74) N-amyl acetate	11.48	43	6391	6.56	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	6204	4.92	ug/l	99
76) 1,2,3-Trichloropropane	11.90	75	4778	4.39	ug/l	91
77) Bromobenzene	11.60	156	8887	4.82	ug/l	93
78) n-propylbenzene	11.70	91	40795	5.10	ug/l	89
79) 2-Chlorotoluene	11.82	91	26029	5.17	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	31832	5.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	2845	6.58	ug/l #	83
82) 4-Chlorotoluene	12.00	91	30195	5.46	ug/l	91
83) tert-Butylbenzene	12.23	119	30507	4.96	ug/l	91
84) 1,2,4-Trimethylbenzene	12.29	105	30695	4.72	ug/l	92
85) sec-Butylbenzene	12.40	105	39961	4.90	ug/l	100
86) p-Isopropyltoluene	12.55	119	33464	4.90	ug/l	94
87) 1,3-Dichlorobenzene	12.57	146	18369	5.26	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	17286	5.03	ug/l	96
89) n-Butylbenzene	12.93	91	32551	4.94	ug/l	95
90) Hexachloroethane	13.00	117	9109	4.89	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	17954	5.37	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	1287	4.05	ug/l	84

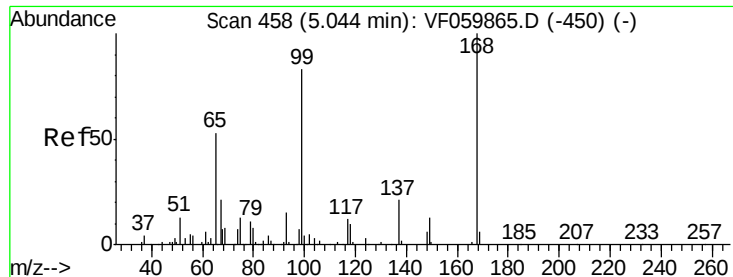
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
Data File : VF059952.D
Acq On : 14 Aug 2018 18:41
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Aug 15 08:55:05 2018
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Quant Title : SW846 8260
QLast Update : Wed Aug 15 08:56:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	13771	5.35	ug/l	88
94) Hexachlorobutadiene	14.27	225	9991	5.48	ug/l	96
95) Naphthalene	14.53	128	20597	4.68	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	12488	4.96	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

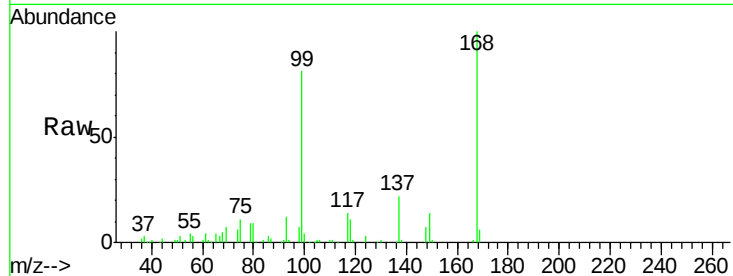
VSTDIC005

Tot Ion:168 Resp: 128817

Ion Ratio Lower Upper

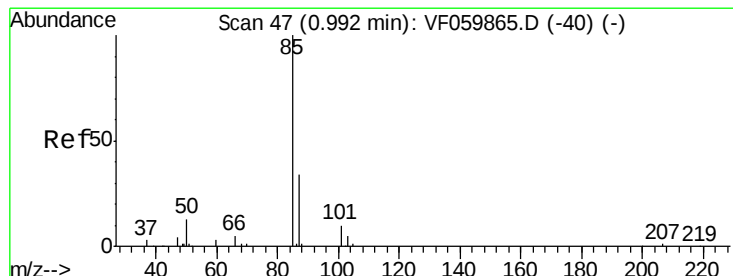
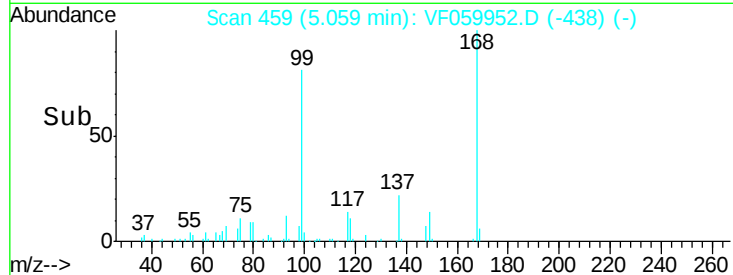
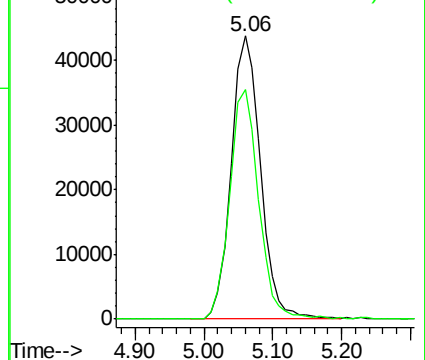
168 100

99 80.9 67.4 101.0



Abundance Ion 168.00 (167.70 to 168.70):

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.39 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059952.D

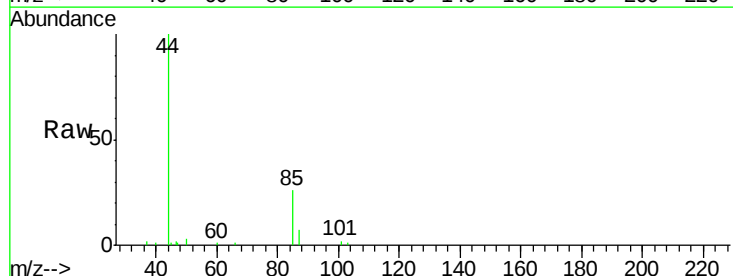
Acq: 14 Aug 2018 18:41

Tgt Ion: 85 Resp: 9430

Ion Ratio Lower Upper

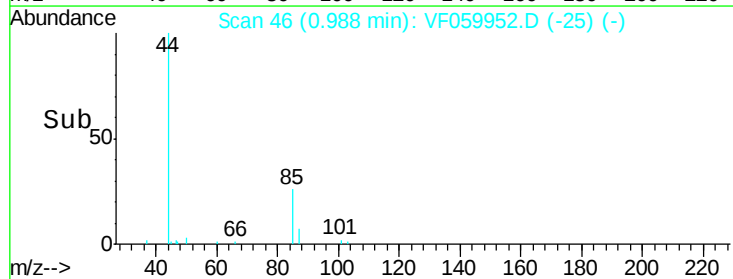
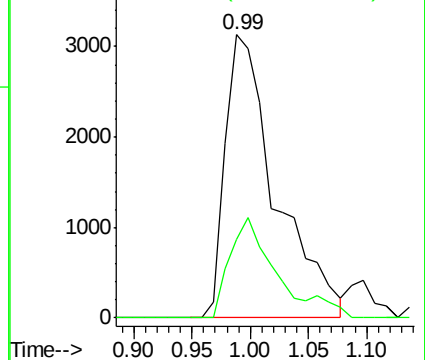
85 100

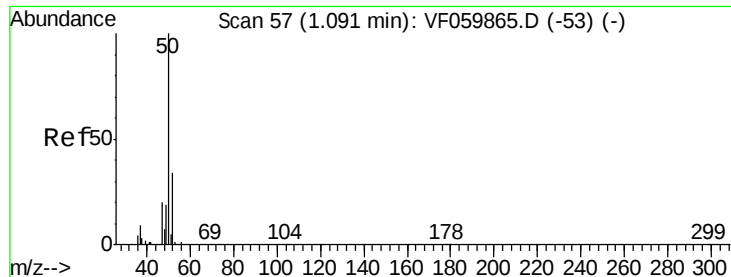
87 27.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 4.10 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

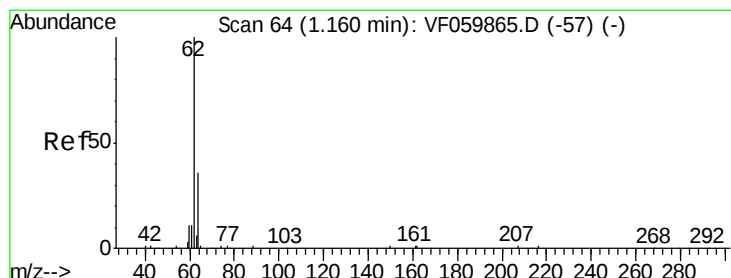
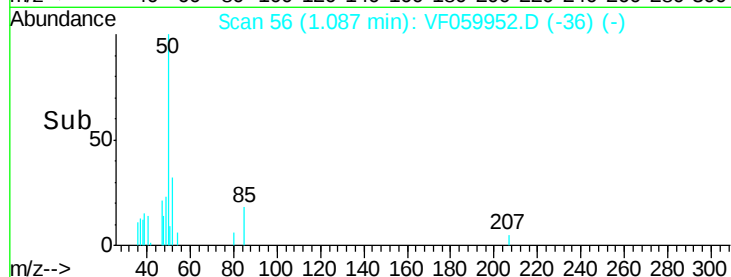
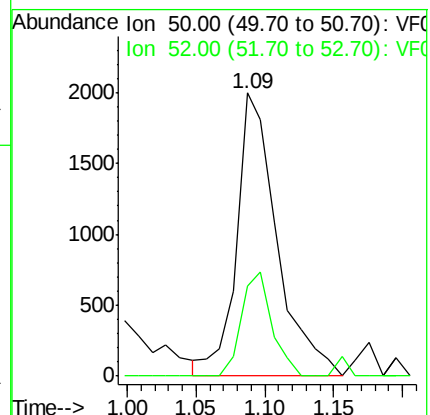
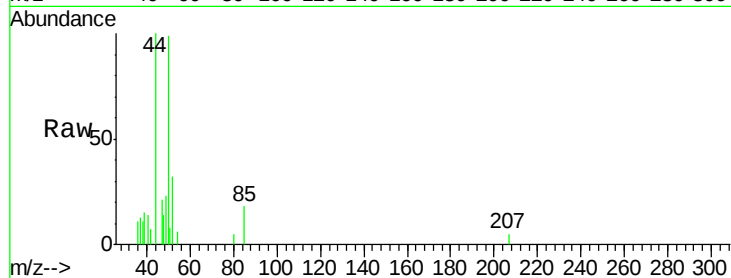
VSTDIC005

Tot Ion: 50 Resp: 4079

Ion Ratio Lower Upper

50 100

52 31.7 24.2 36.2



#4

Vinyl Chloride

Concen: 4.05 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059952.D

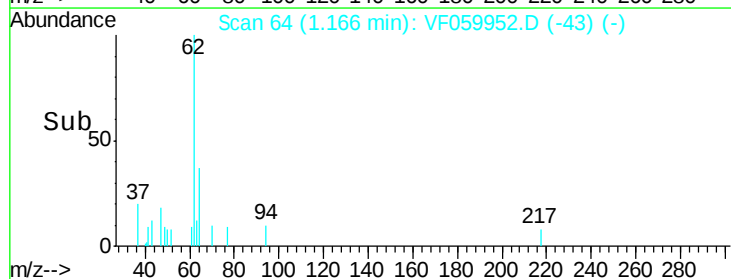
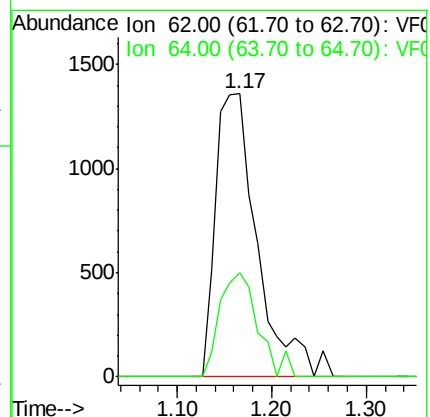
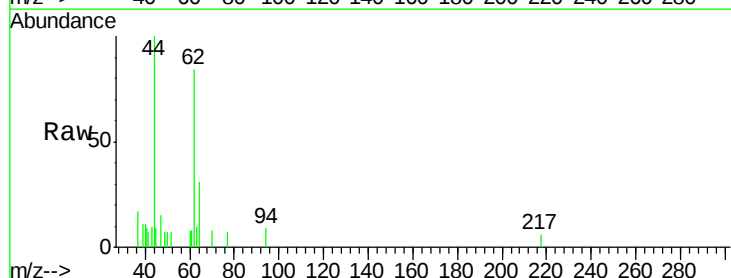
Acq: 14 Aug 2018 18:41

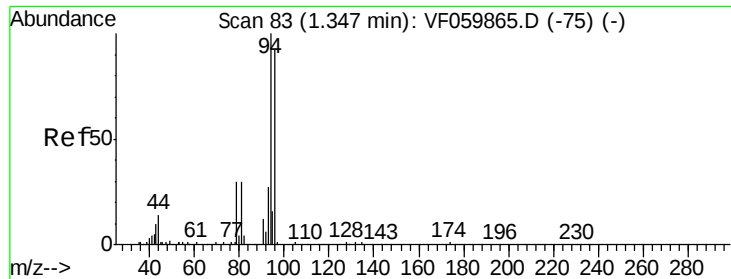
Tgt Ion: 62 Resp: 4179

Ion Ratio Lower Upper

62 100

64 37.0 24.7 37.1





#5

Bromomethane

Concen: 4.56 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

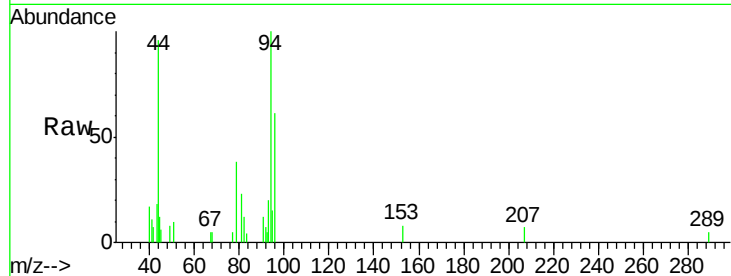
VSTDIC005

Tot Ion: 94 Resp: 4415

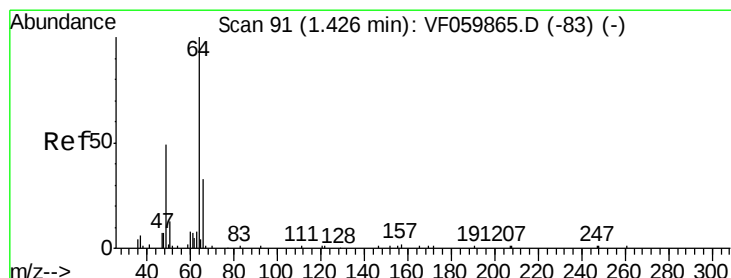
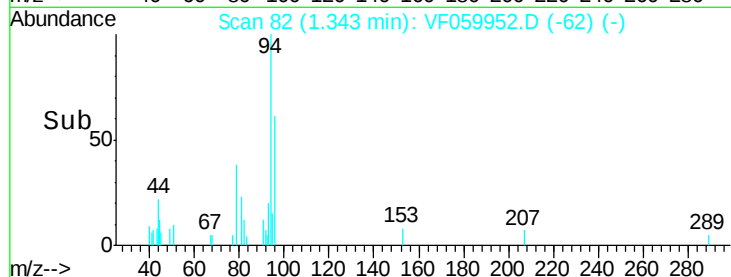
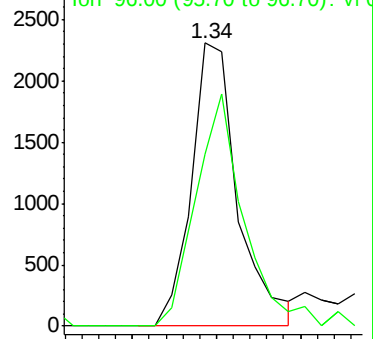
Ion Ratio Lower Upper

94 100

96 60.7 76.3 114.5#



Abundance Ion 94.00 (93.70 to 94.70): VF059865.D (-75) (-)



#6

Chloroethane

Concen: 4.28 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059952.D

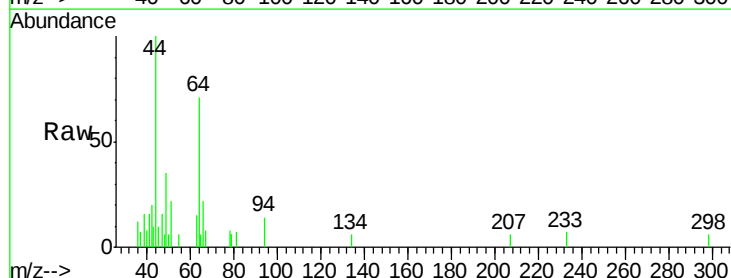
Acq: 14 Aug 2018 18:41

Tgt Ion: 64 Resp: 2771

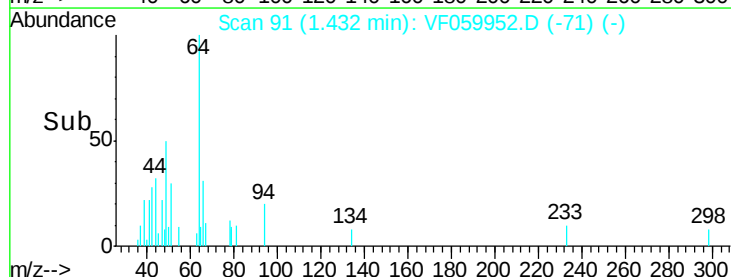
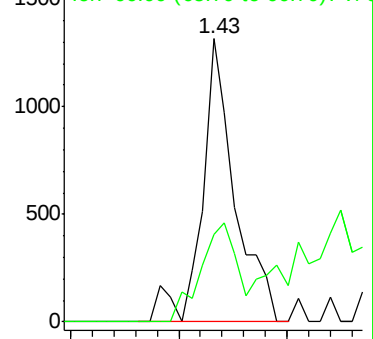
Ion Ratio Lower Upper

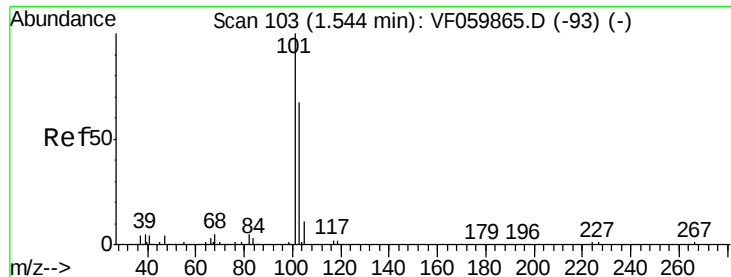
64 100

66 31.2 28.2 42.2



Abundance Ion 64.00 (63.70 to 64.70): VF059865.D (-83) (-)



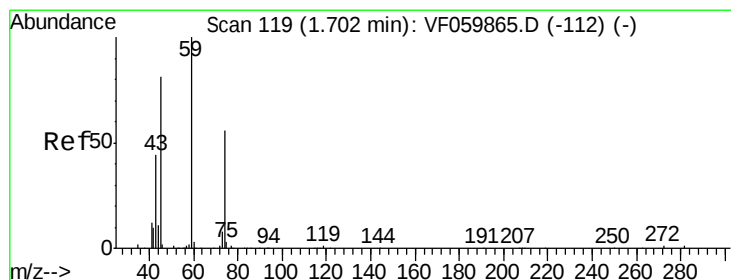
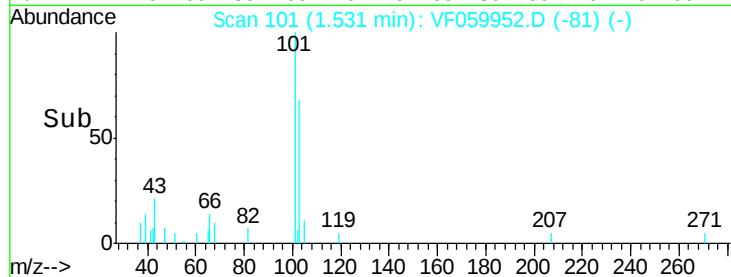
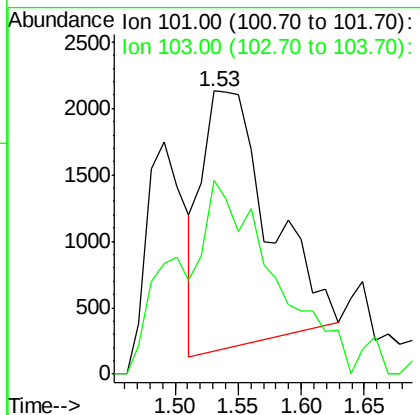
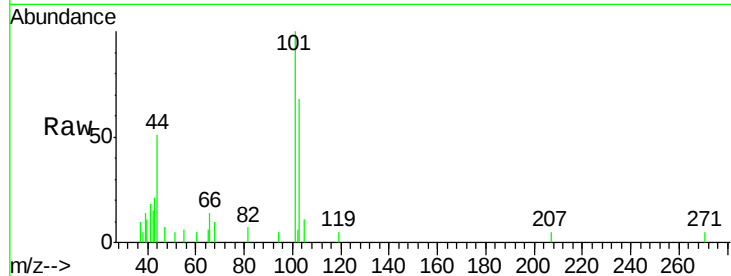


#7

Trichlorofluoromethane
 Concen: 2.52 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

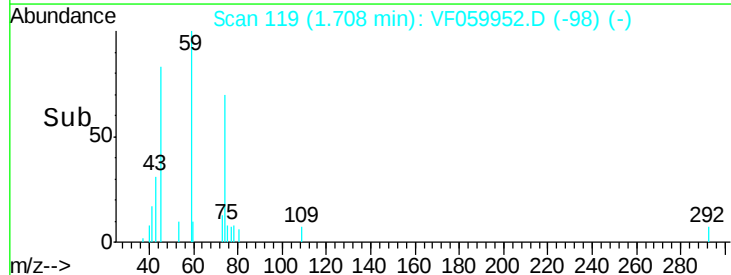
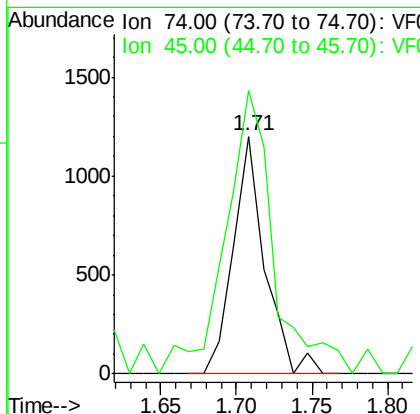
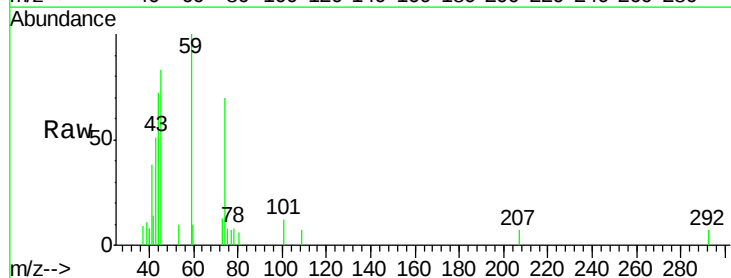
Tot Ion:101 Resp: 7199
 Ion Ratio Lower Upper
 101 100
 103 68.4 51.6 77.4

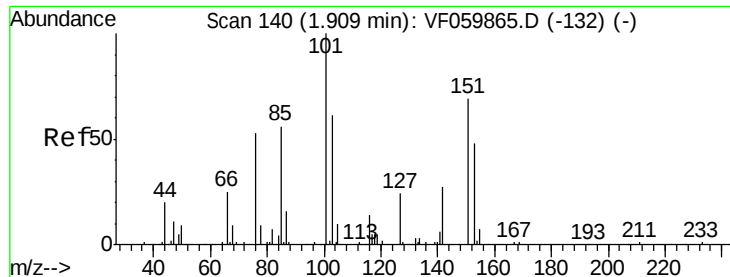


#8

Diethyl Ether
 Concen: 3.91 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 74 Resp: 1741
 Ion Ratio Lower Upper
 74 100
 45 119.2 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.32 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

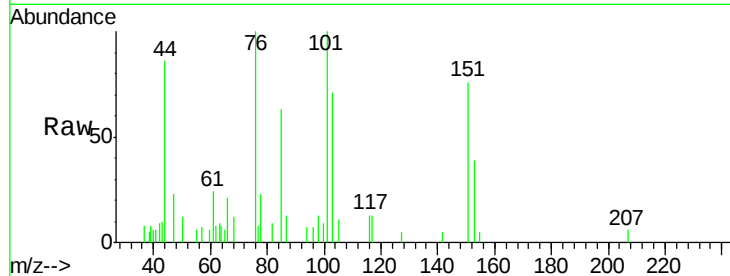
Tot Ion:101 Resp: 6713

Ion Ratio Lower Upper

101 100

85 62.9 42.1 63.1

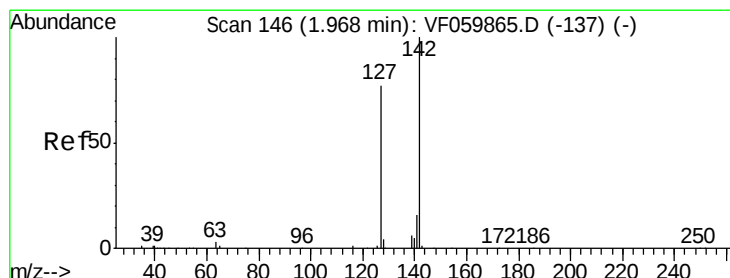
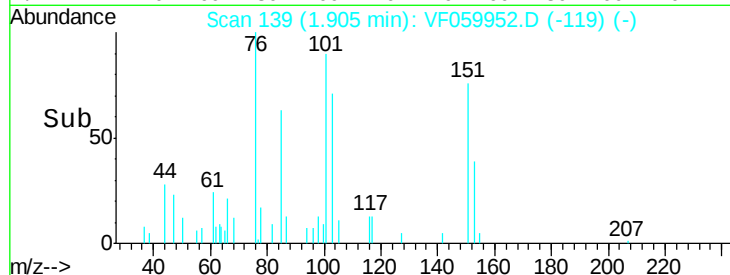
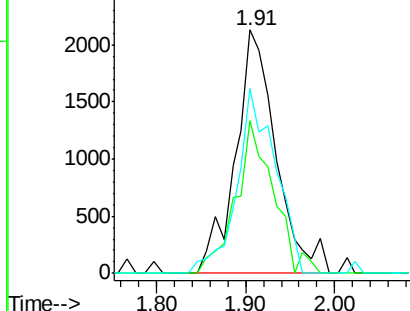
151 76.1 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70):

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70):



#10

Methyl Iodide

Concen: 3.53 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

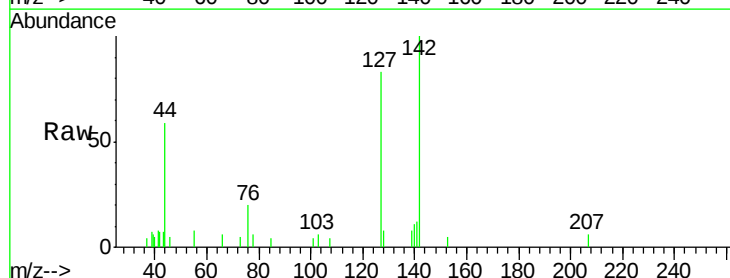
Tgt Ion:142 Resp: 8382

Ion Ratio Lower Upper

142 100

127 82.5 64.5 96.7

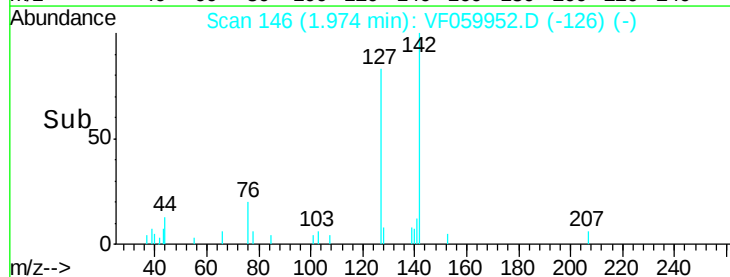
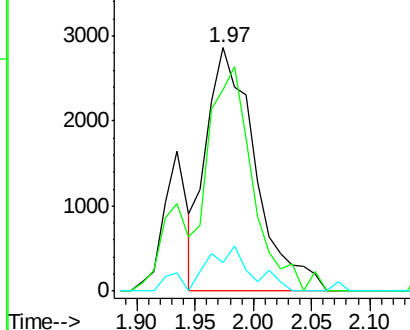
141 11.8 10.8 16.2

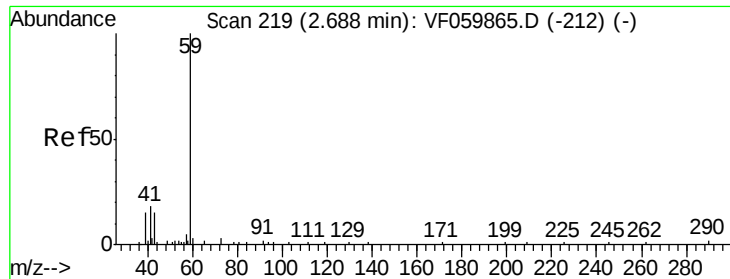


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):



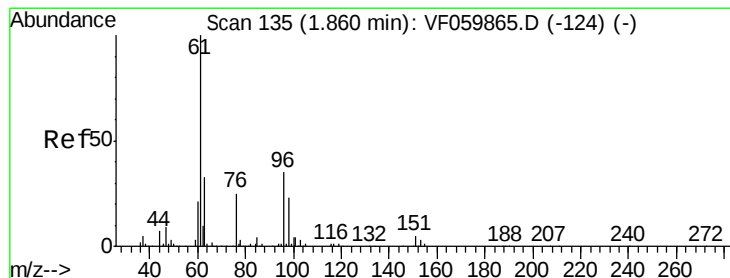
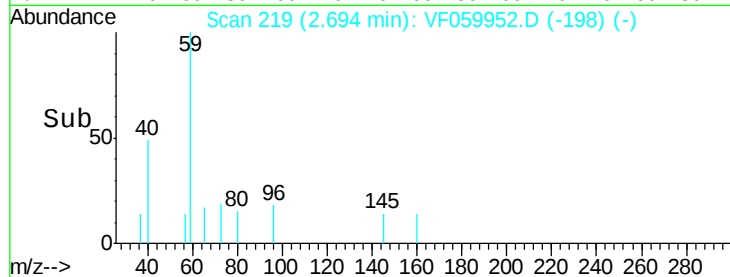
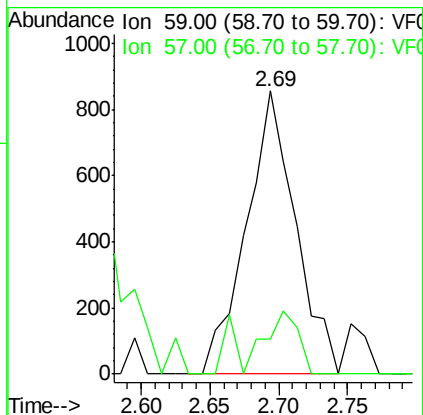
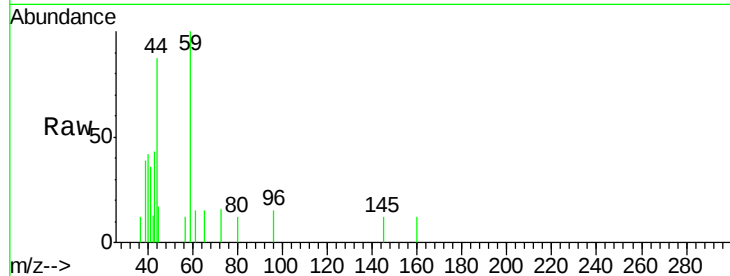


#11

Tert butyl alcohol
 Concen: 22.43 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

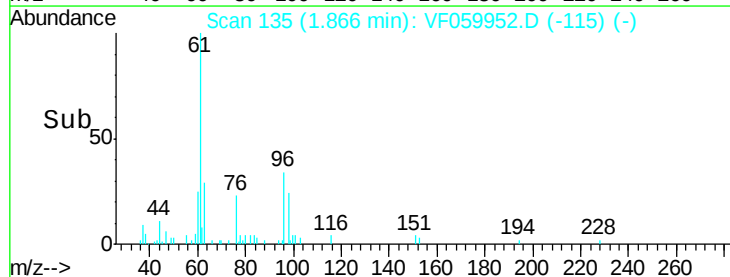
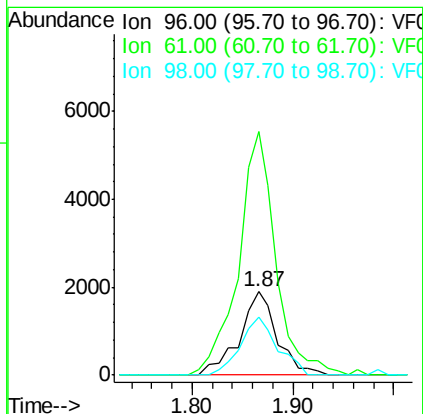
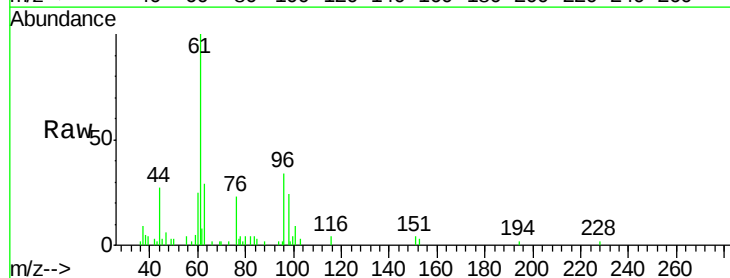
Tot Ion: 59 Resp: 2130
 Ion Ratio Lower Upper
 59 100
 57 12.3 12.0 18.0

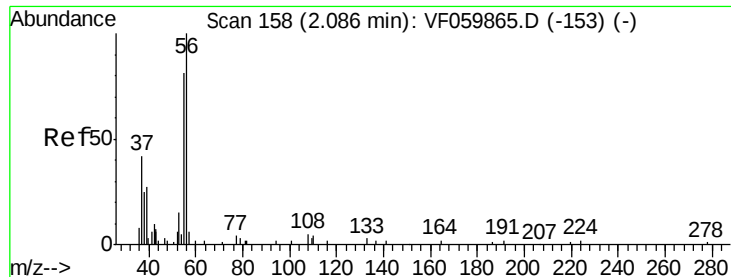


#12

1,1-Dichloroethene
 Concen: 4.34 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 96 Resp: 4936
 Ion Ratio Lower Upper
 96 100
 61 291.5 201.0 301.4
 98 74.7 51.9 77.9





#13

Acrolein

Concen: 23.12 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

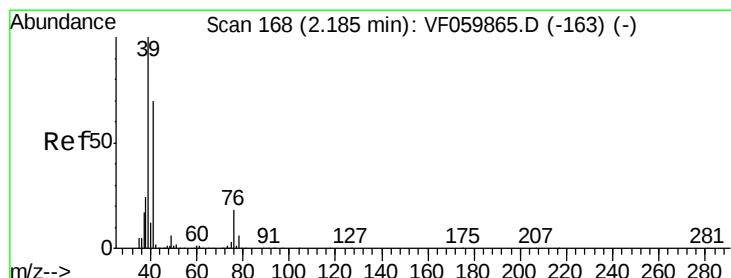
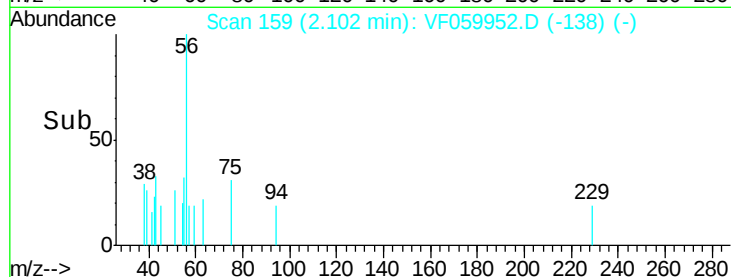
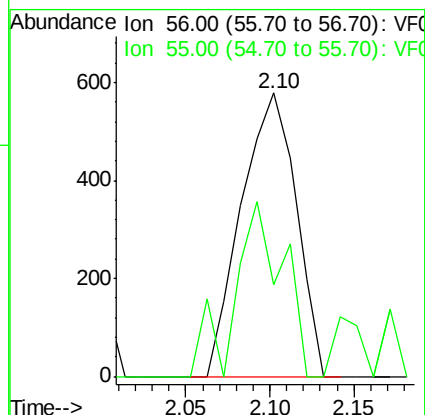
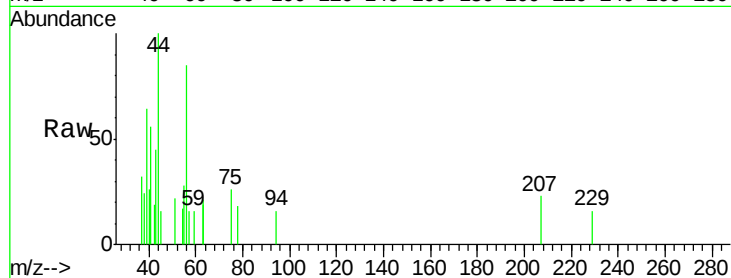
VSTDIC005

Tot Ion: 56 Resp: 1305

Ion Ratio Lower Upper

56 100

55 32.4 67.4 101.2#



#14

Allyl chloride

Concen: 5.08 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

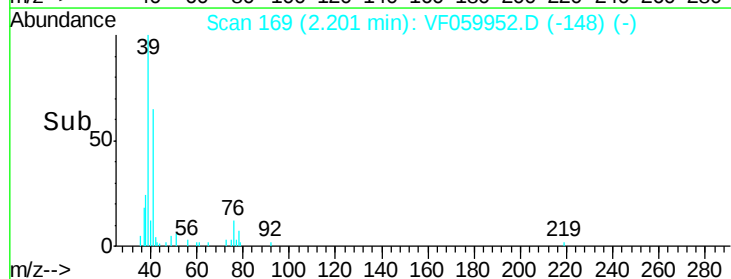
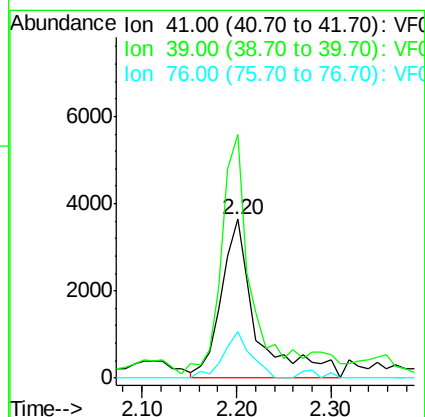
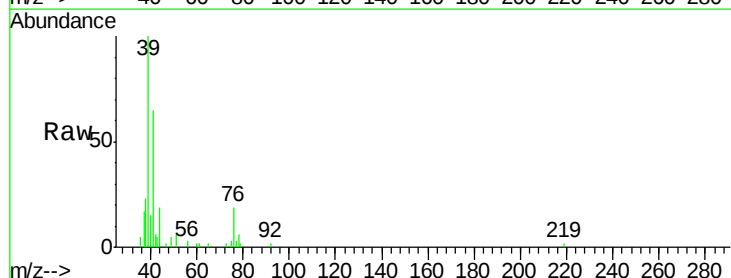
Tgt Ion: 41 Resp: 9276

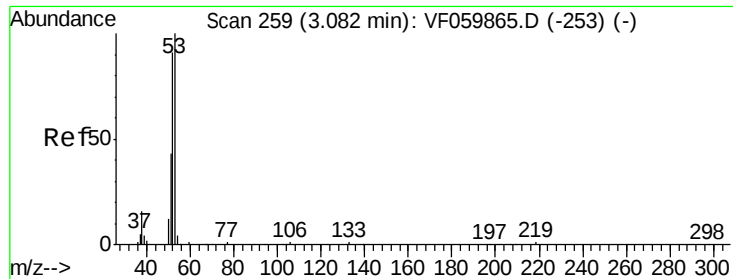
Ion Ratio Lower Upper

41 100

39 153.1 121.0 181.4

76 29.5 23.6 35.4

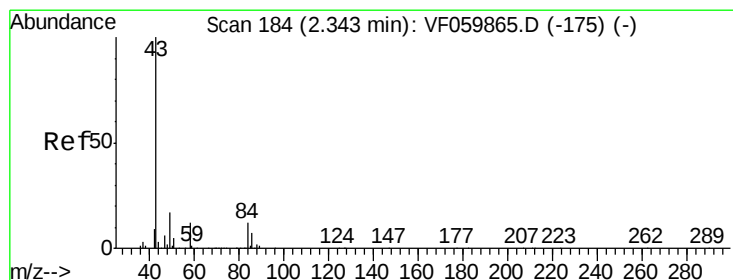
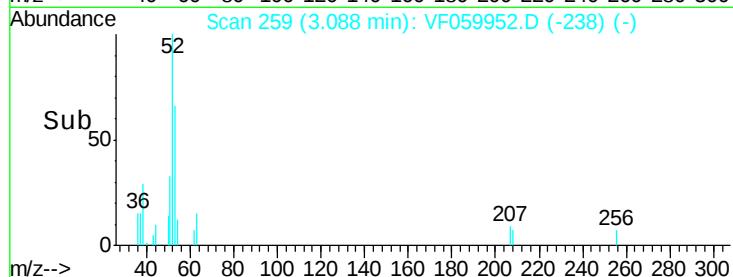
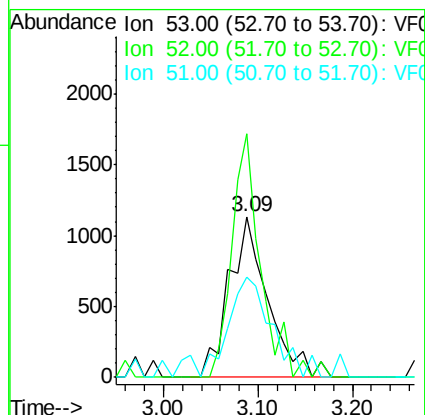
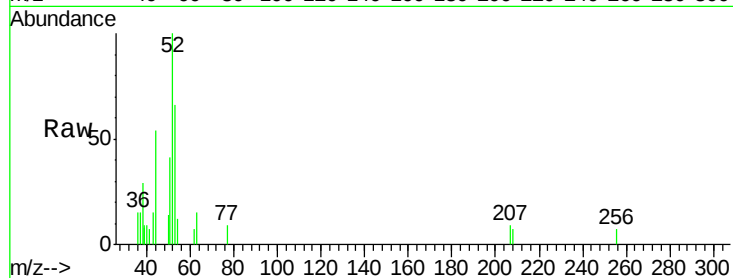




#15
 Acrylonitrile
 Concen: 19.46 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

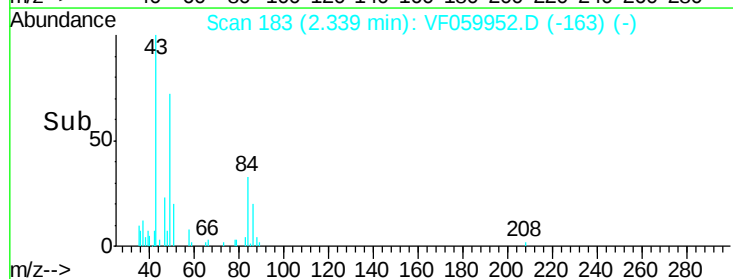
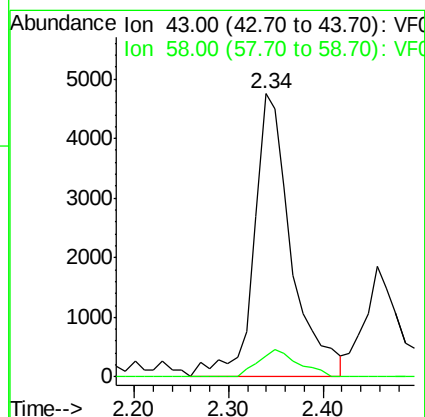
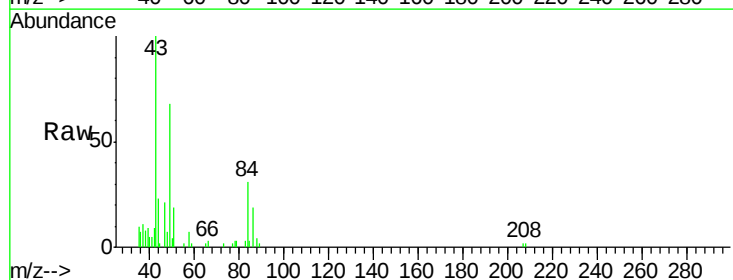
Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

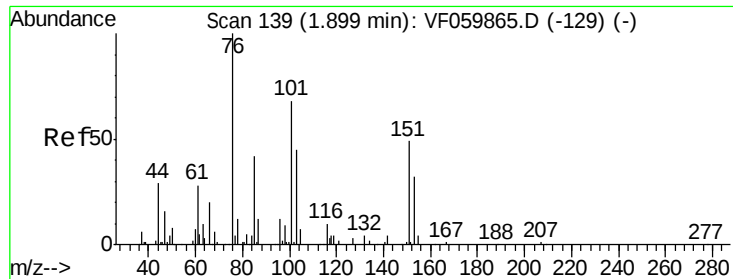
Tot Ion	53	Resp	3229
Ion	Ratio	Lower	Upper
53	100		
52	151.4	78.1	117.1#
51	62.6	44.2	66.4



#16
 Acetone
 Concen: 30.22 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	43	Resp	13016
Ion	Ratio	Lower	Upper
43	100		
58	7.3	8.1	12.1#

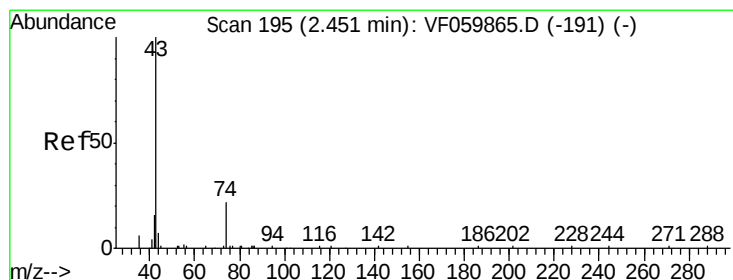
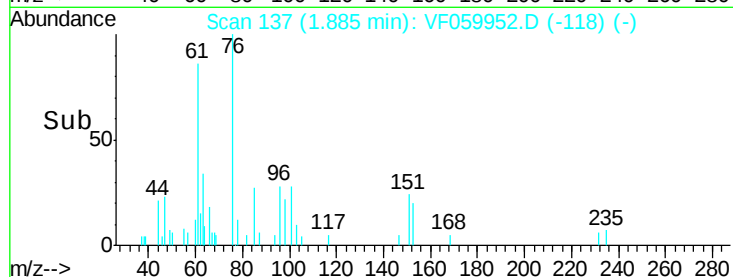
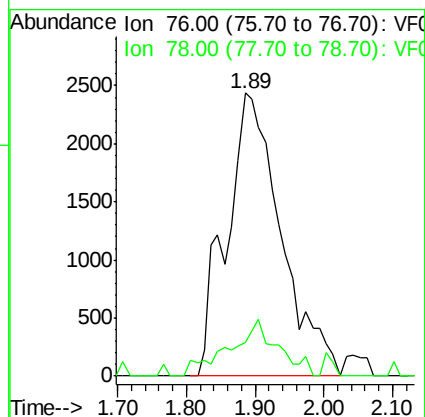
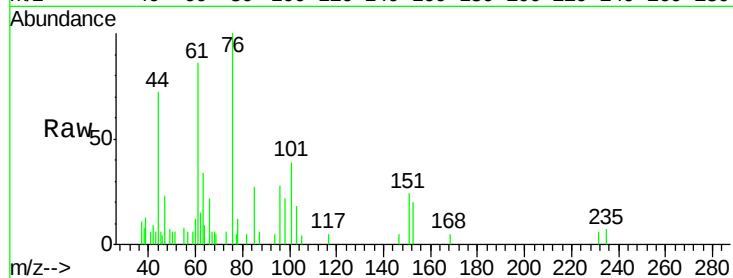




#17
Carbon Disulfide
Concen: 4.49 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.02 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

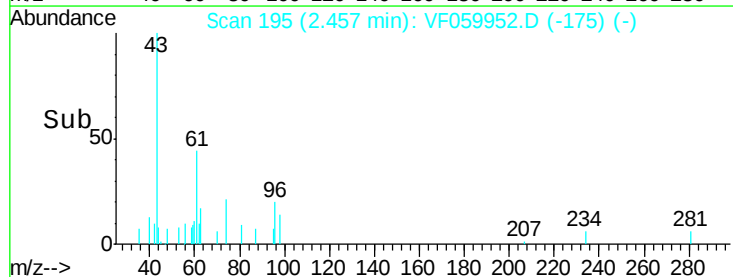
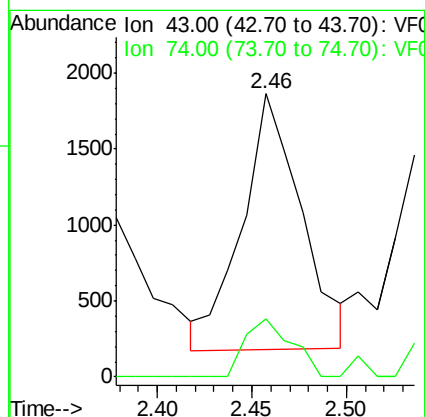
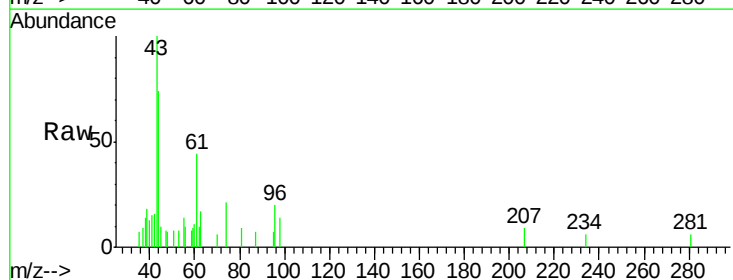
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

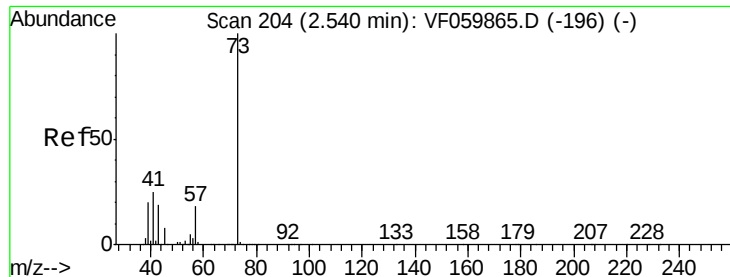
Tot Ion: 76 Resp: 13424
Ion Ratio Lower Upper
76 100
78 12.2 11.4 17.0



#18
Methyl Acetate
Concen: 5.20 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
74 20.5 14.3 21.5



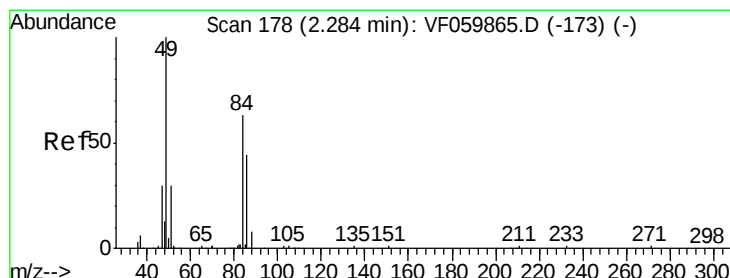
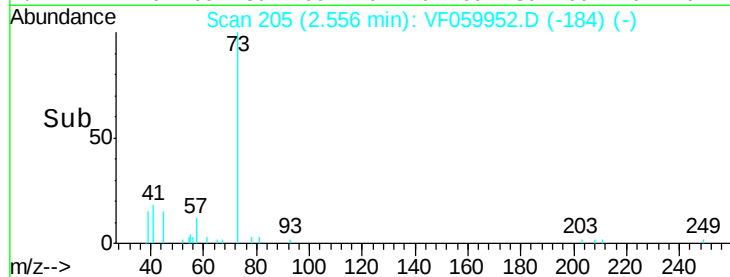
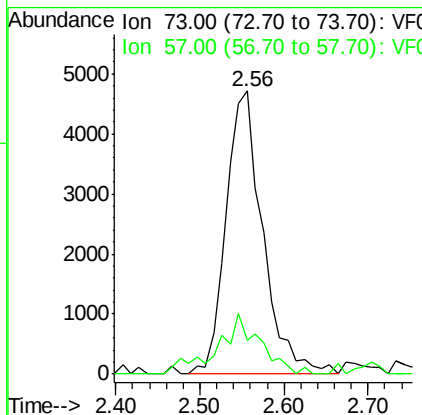
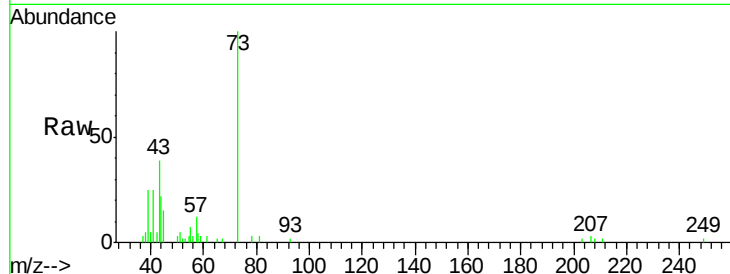


#19

Methyl tert-butyl Ether
 Concen: 4.45 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

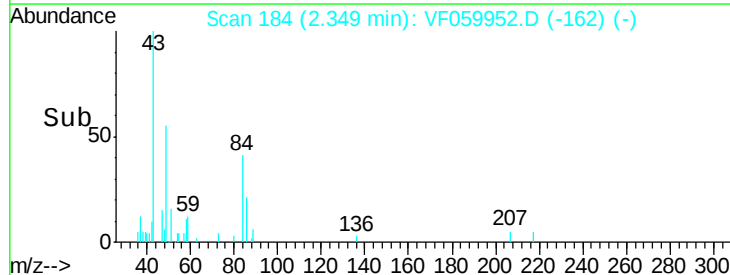
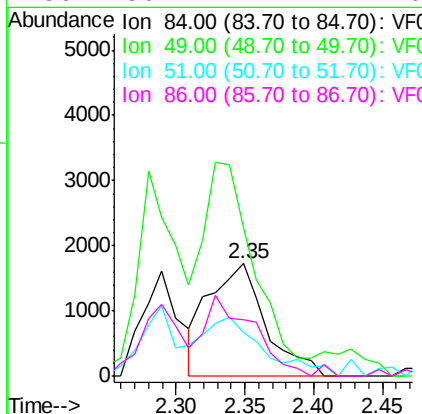
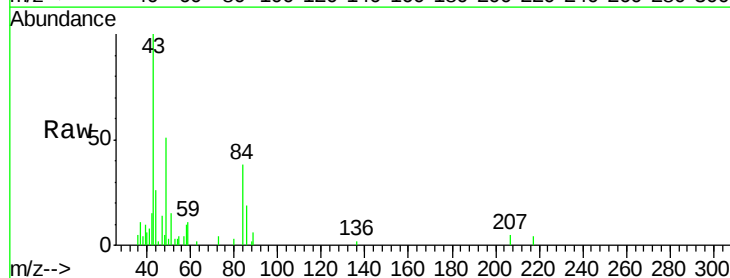
Tot Ion: 73 Resp: 14333
 Ion Ratio Lower Upper
 73 100
 57 12.1 14.0 21.0#

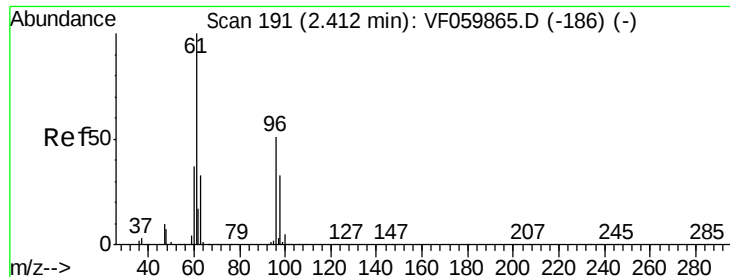


#20

Methylene Chloride
 Concen: 4.23 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 84 Resp: 4929
 Ion Ratio Lower Upper
 84 100
 49 132.4 138.6 207.8#
 51 39.1 40.2 60.4#
 86 50.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 4.75 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

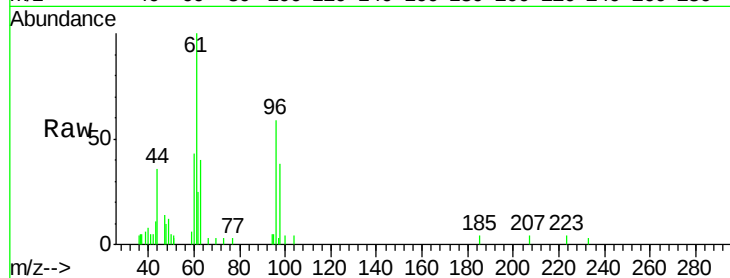
Tot Ion: 96 Resp: 5342

Ion Ratio Lower Upper

96 100

61 169.1 159.5 239.3

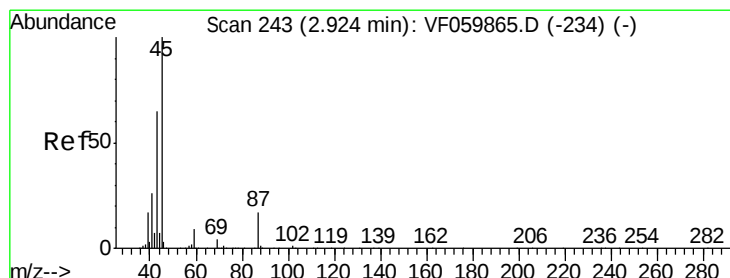
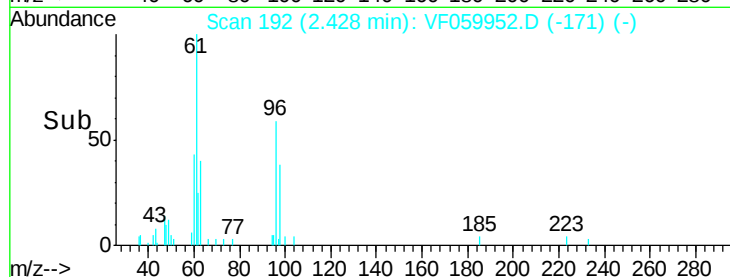
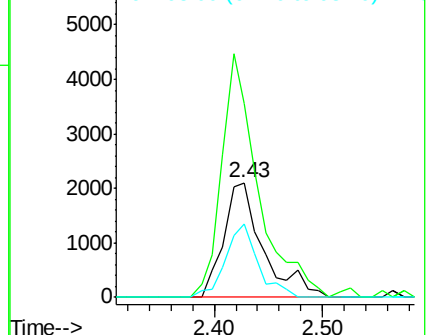
98 64.4 53.8 80.6



Abundance Ion 96.00 (95.70 to 96.70): VF059865.D (-186) (-)

Ion 61.00 (60.70 to 61.70): VF059865.D (-186) (-)

Ion 98.00 (97.70 to 98.70): VF059865.D (-186) (-)



#22

Diisopropyl ether

Concen: 4.54 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion: 45 Resp: 16544

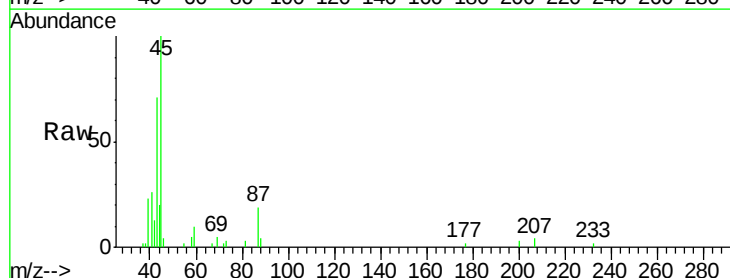
Ion Ratio Lower Upper

45 100

43 70.7 48.7 73.1

87 19.3 15.3 22.9

59 10.1 8.5 12.7

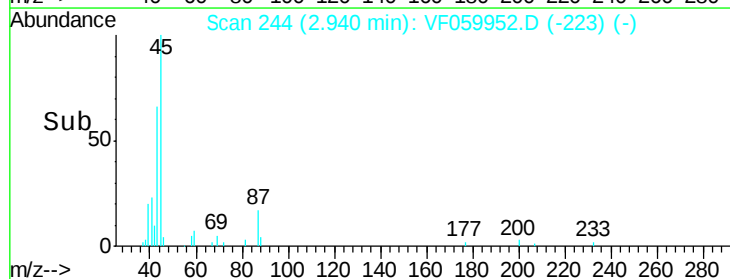
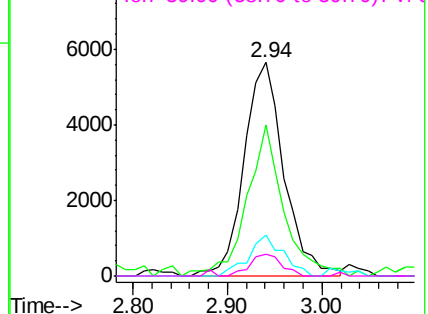


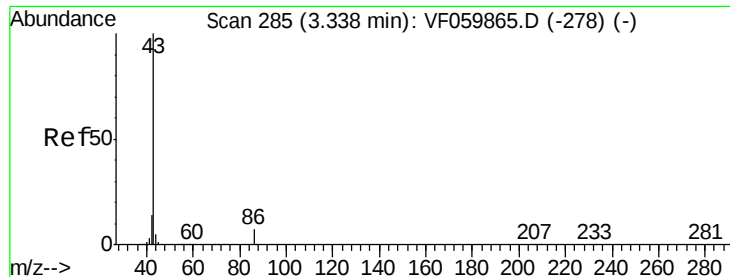
Abundance Ion 45.00 (44.70 to 45.70): VF059865.D (-234) (-)

Ion 43.00 (42.70 to 43.70): VF059865.D (-234) (-)

Ion 87.00 (86.70 to 87.70): VF059865.D (-234) (-)

Ion 59.00 (58.70 to 59.70): VF059865.D (-234) (-)





#23

Vinyl Acetate

Concen: 20.78 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

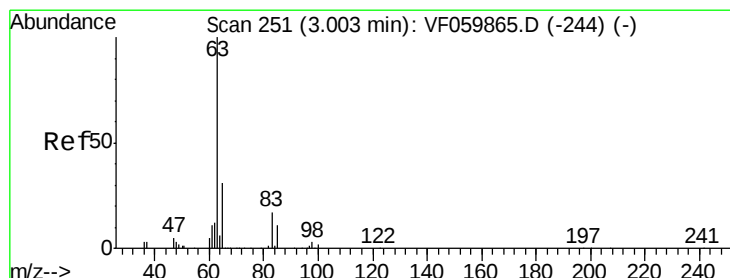
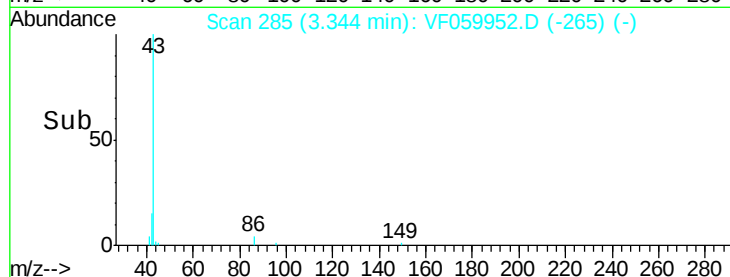
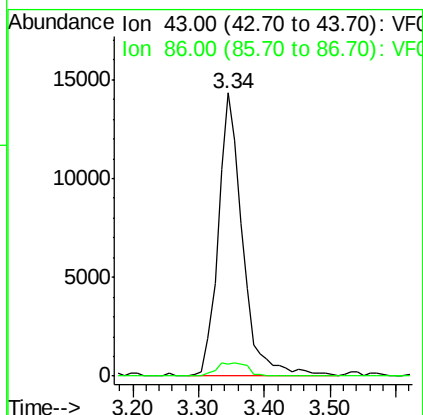
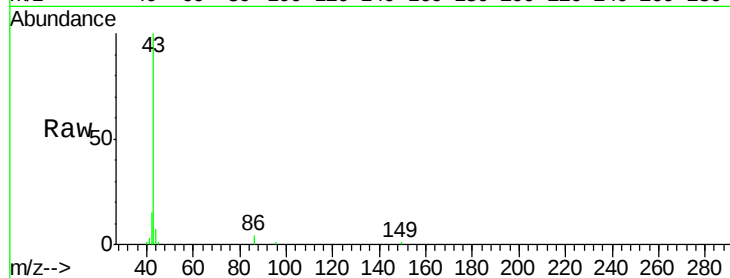
VSTDIC005

Tot Ion: 43 Resp: 36891

Ion Ratio Lower Upper

43 100

86 4.3 4.9 7.3#



#24

1,1-Dichloroethane

Concen: 4.72 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

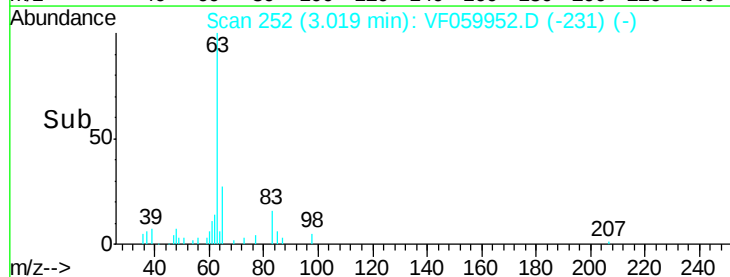
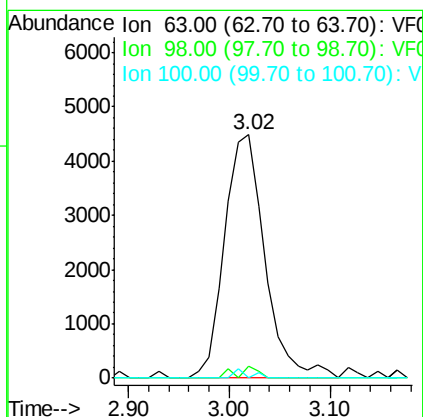
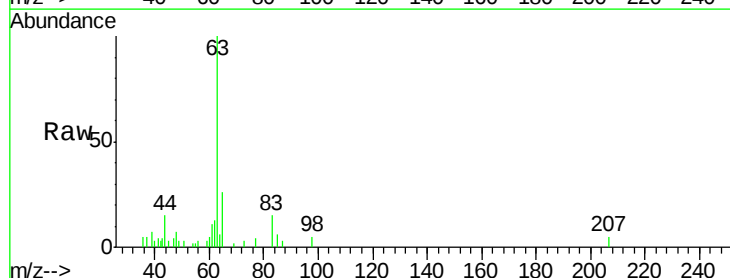
Tgt Ion: 63 Resp: 12500

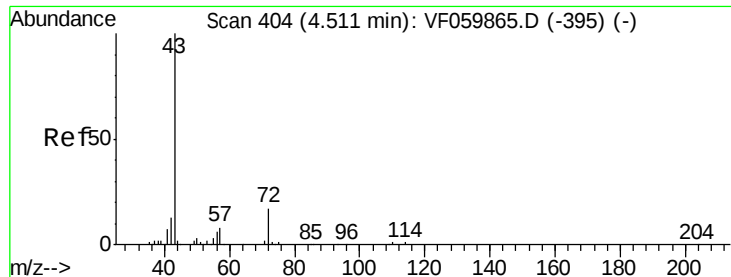
Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.2

100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 23.63 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

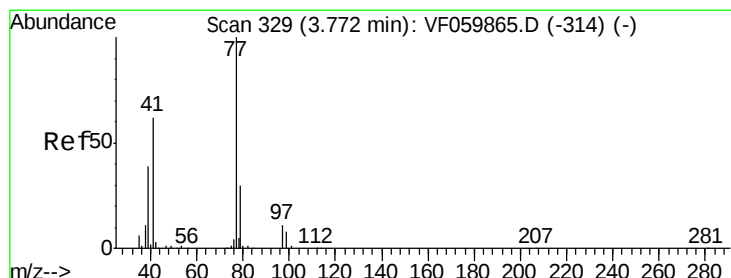
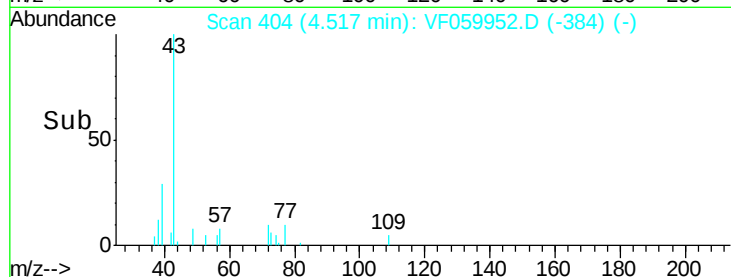
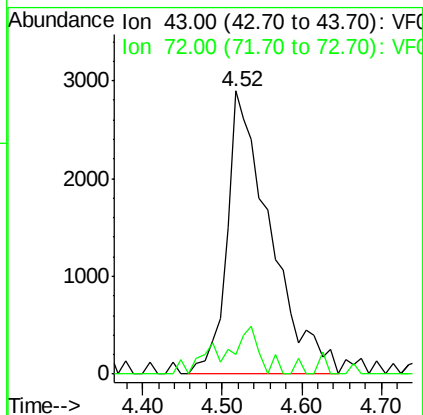
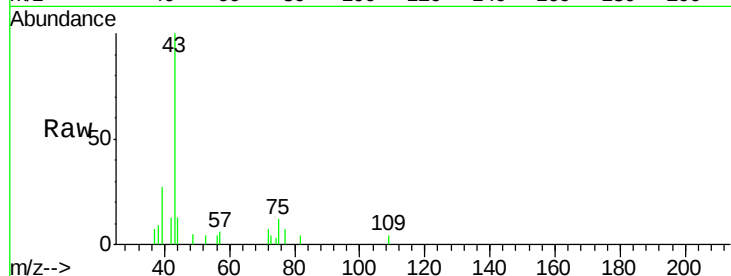
VSTDIC005

Tot Ion: 43 Resp: 10920

Ion Ratio Lower Upper

43 100

72 7.1 14.6 22.0#



#26

2,2-Dichloropropane

Concen: 5.07 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059952.D

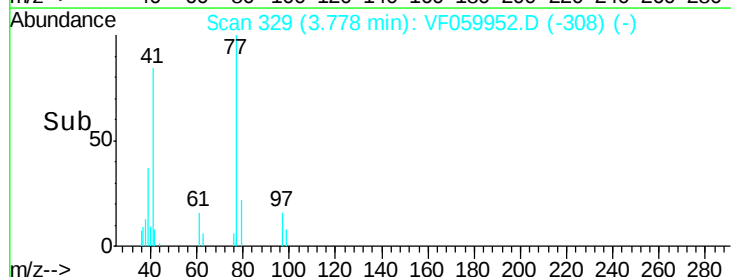
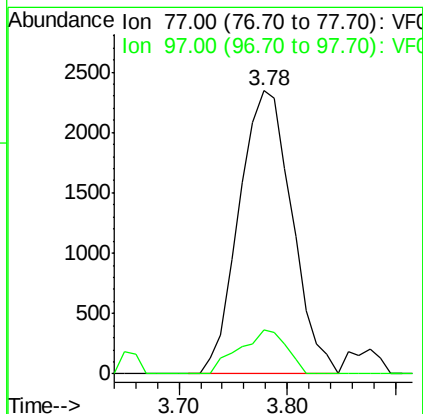
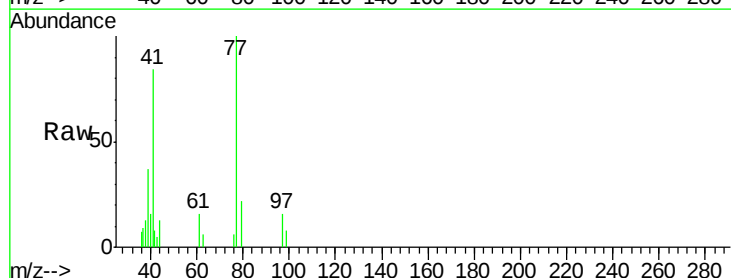
Acq: 14 Aug 2018 18:41

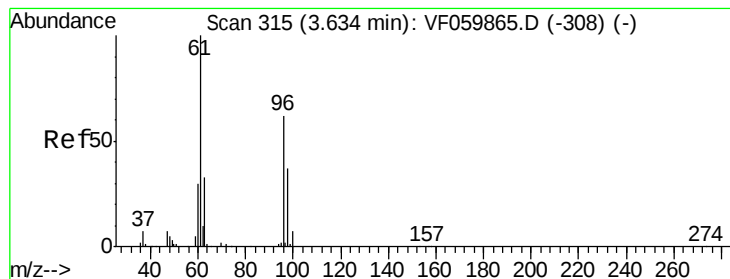
Tgt Ion: 77 Resp: 7968

Ion Ratio Lower Upper

77 100

97 15.6 6.6 19.7



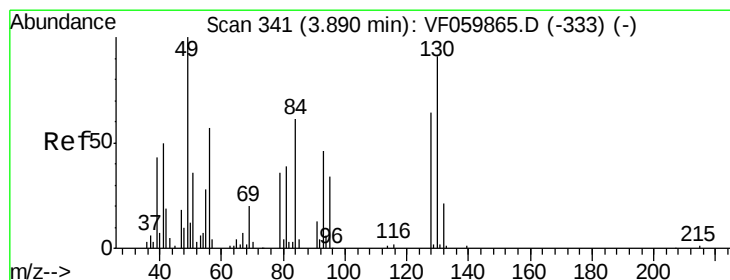
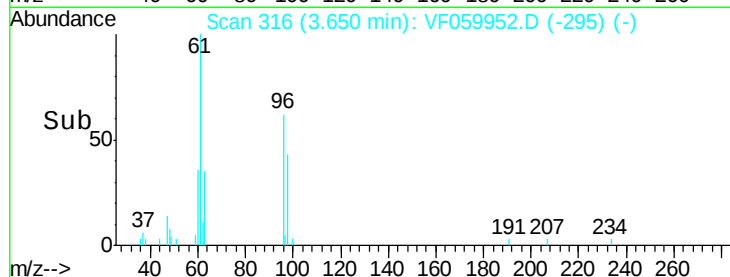
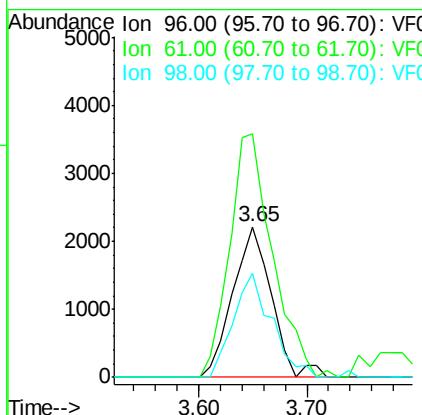
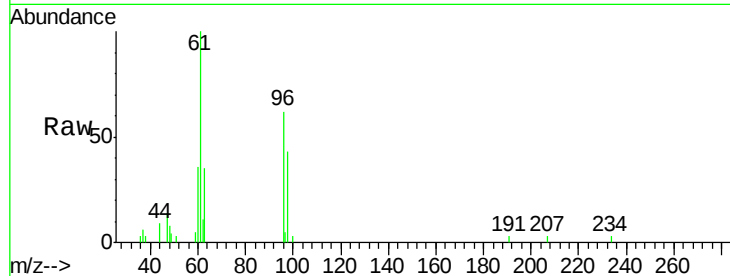


#27

cis-1,2-Dichloroethene
Concen: 4.40 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

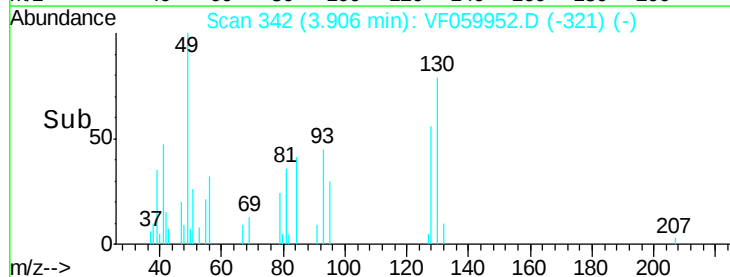
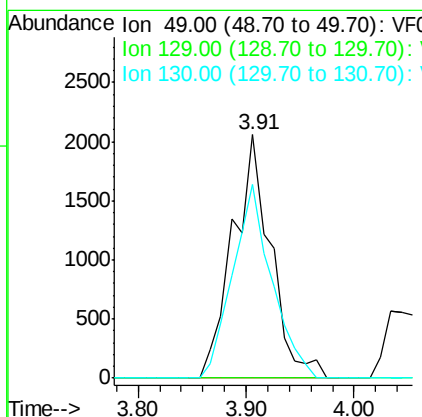
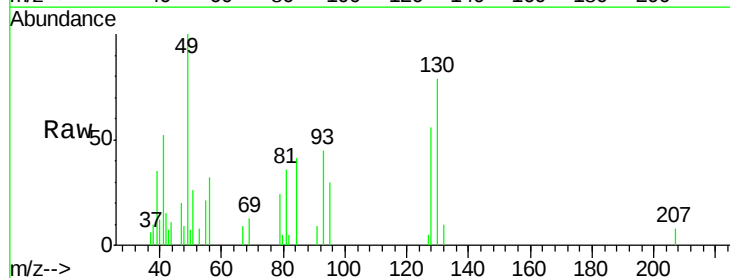
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	349.4
98	69.1	0.0	134.6

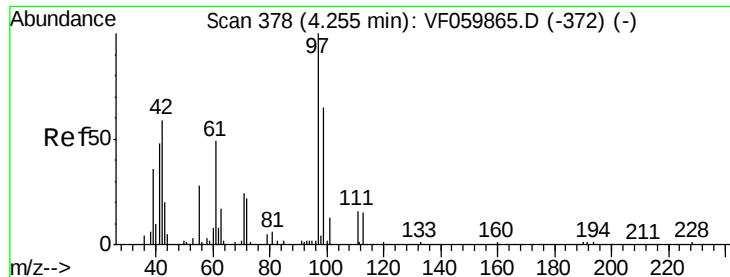


#28

Bromochloromethane
Concen: 5.28 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	79.4	58.1	87.1

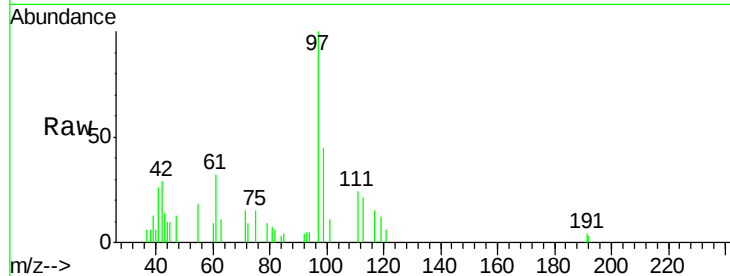




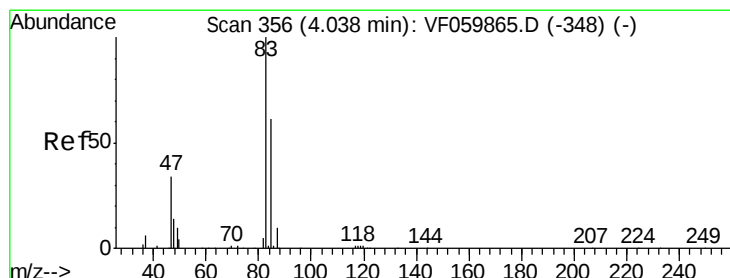
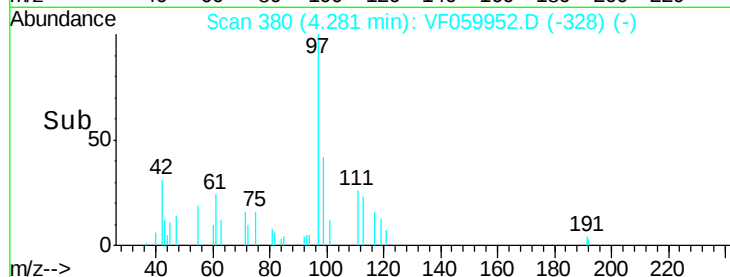
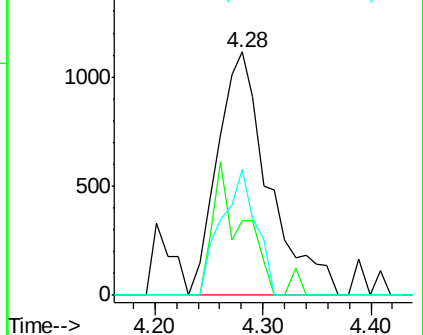
#29
Tetrahydrofuran
Concen: 21.66 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 3685
Ion Ratio Lower Upper
42 100
72 31.7 27.7 41.5
71 35.1 28.2 42.4

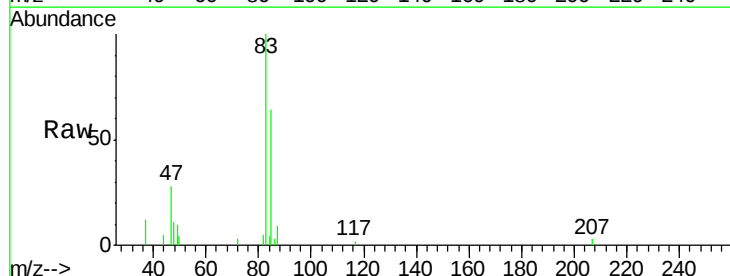


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

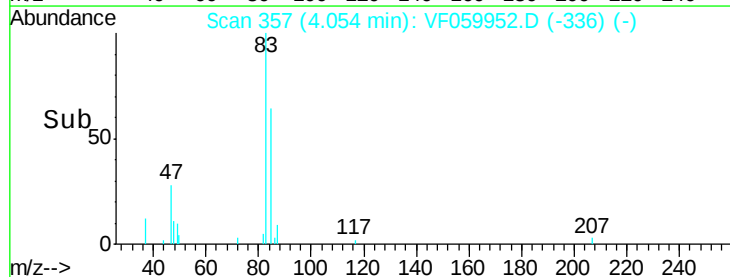
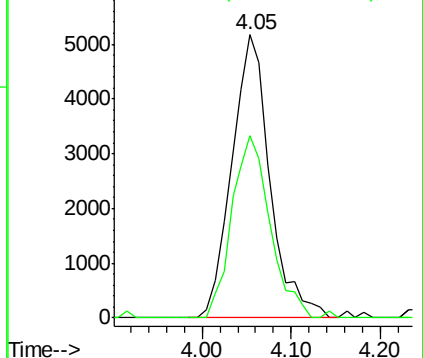


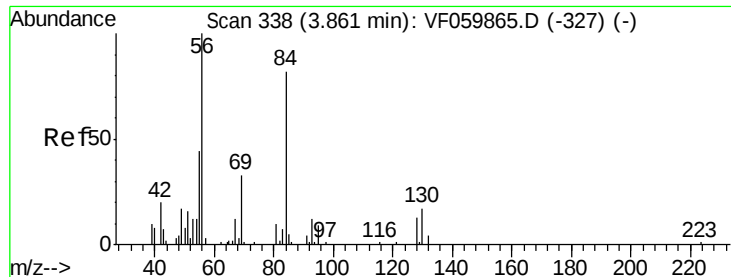
#30
Chloroform
Concen: 4.29 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 83 Resp: 15385
Ion Ratio Lower Upper
83 100
85 64.2 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: 4.19 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

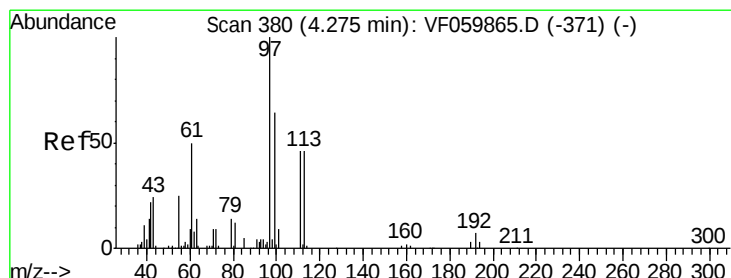
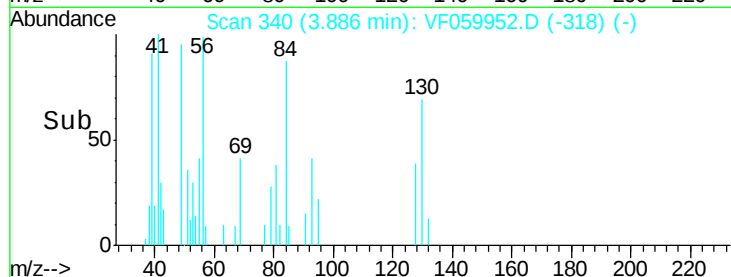
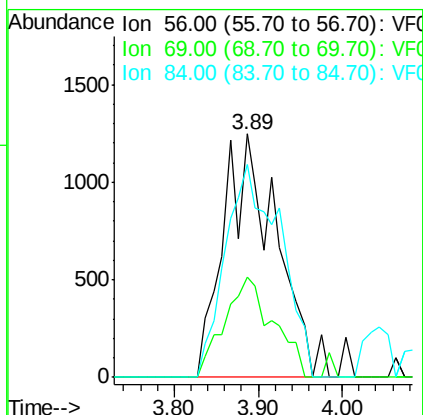
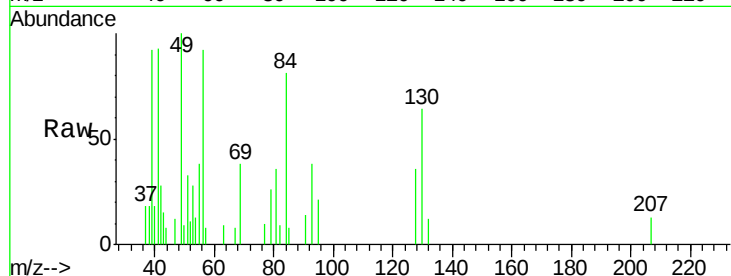
Tot Ion: 56 Resp: 5473

Ion Ratio Lower Upper

56 100

69 41.4 26.2 39.2#

84 87.7 61.0 91.4



#32

1,1,1-Trichloroethane

Concen: 4.78 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

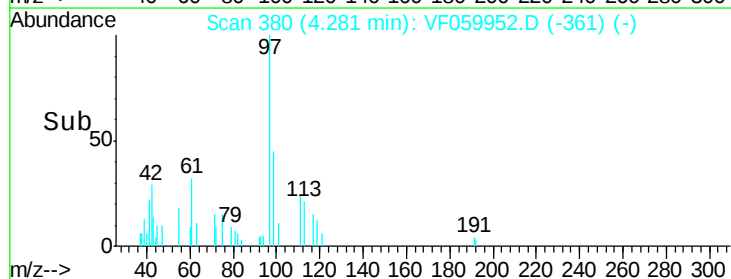
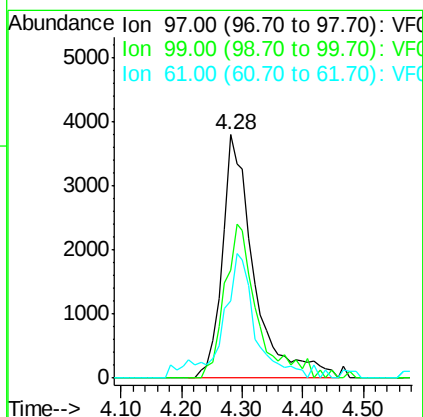
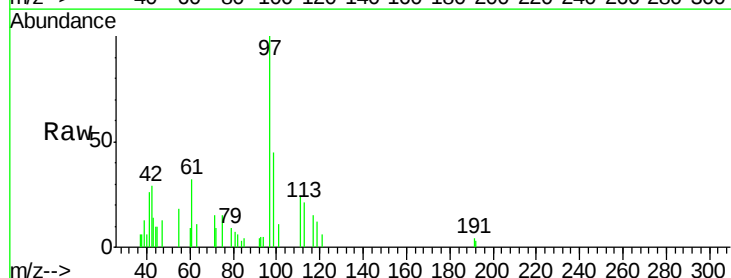
Tgt Ion: 97 Resp: 13737

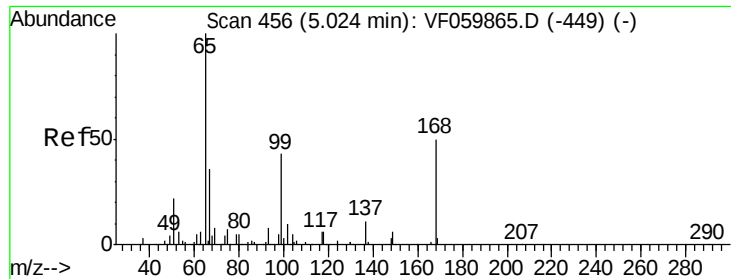
Ion Ratio Lower Upper

97 100

99 44.5 53.0 79.4#

61 31.6 36.6 55.0#

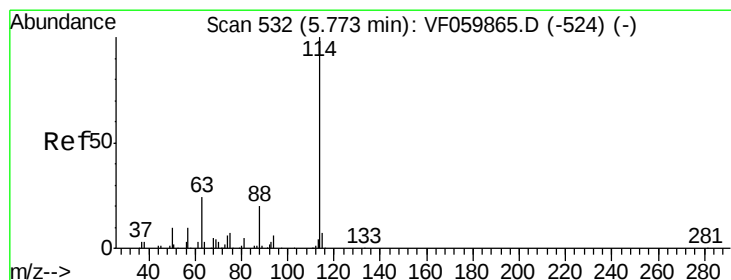
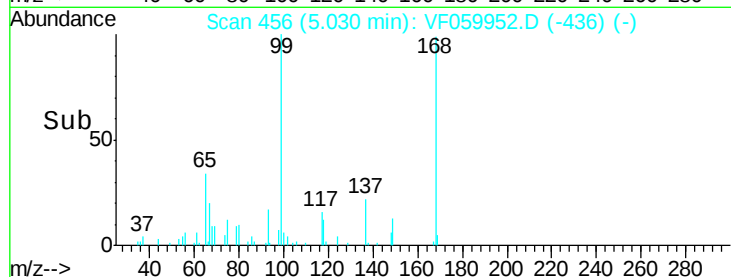
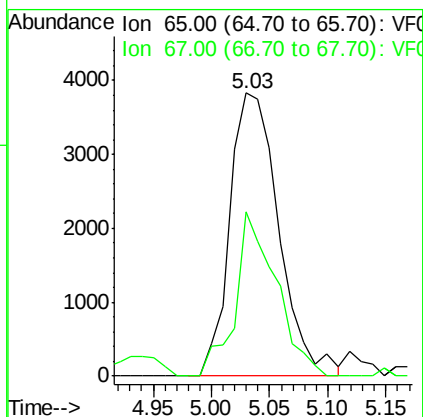
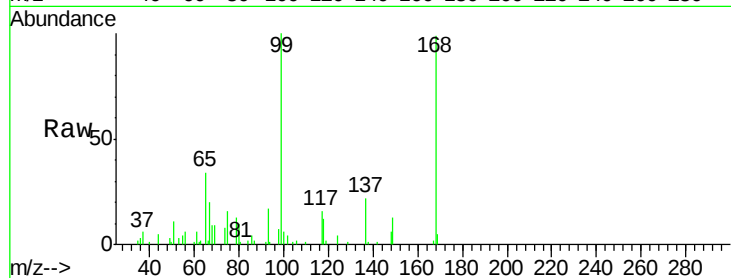




#33
 1,2-Dichloroethane-d4
 Concen: 4.80 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

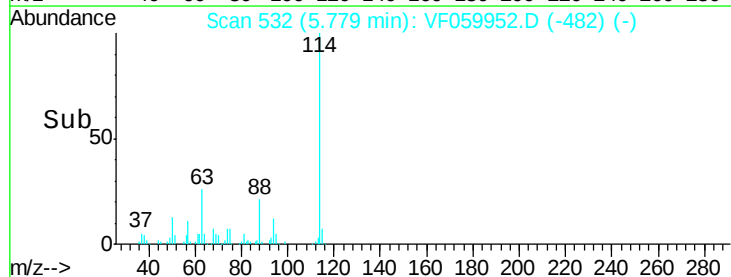
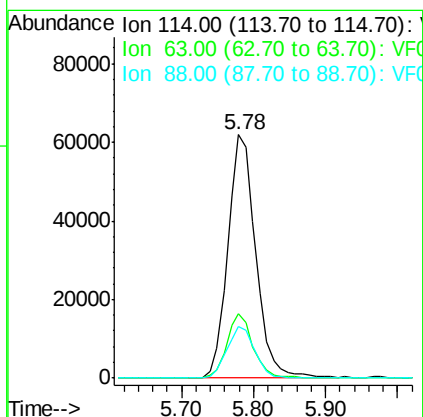
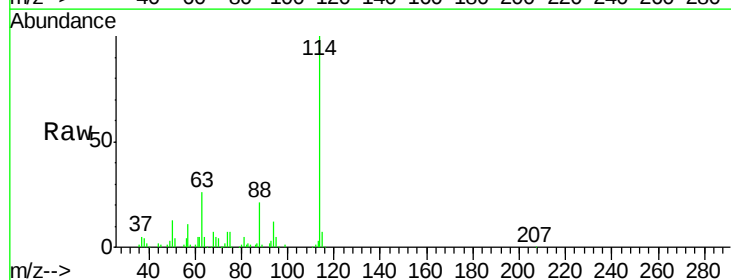
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

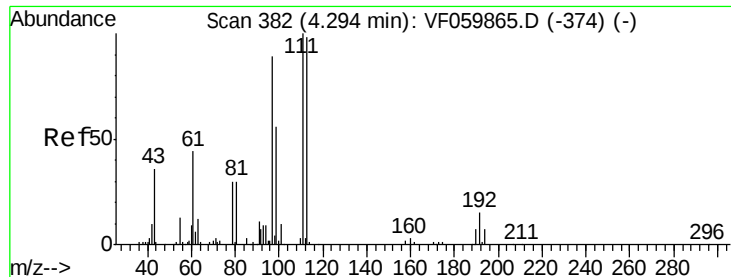
Tot Ion: 65 Resp: 11176
 Ion Ratio Lower Upper
 65 100
 67 57.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 114 Resp: 166573
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 50.2
 88 21.2 0.0 46.8

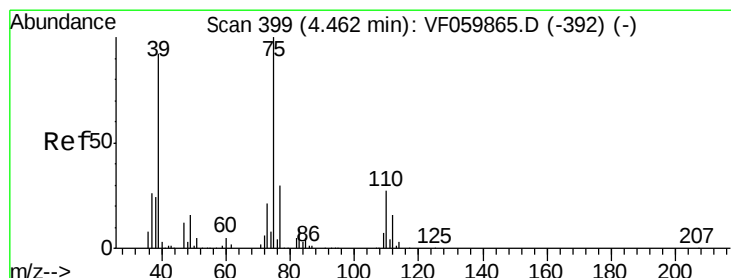
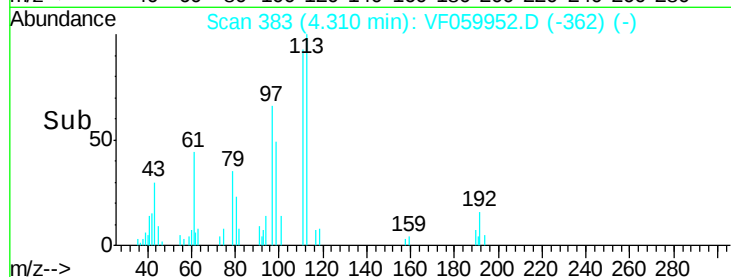
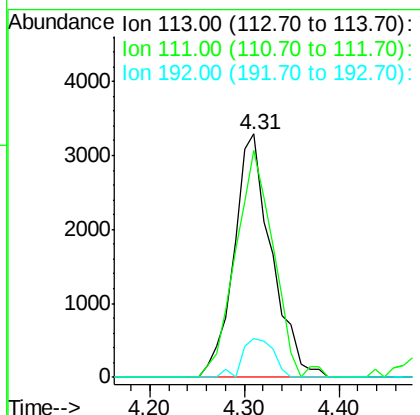
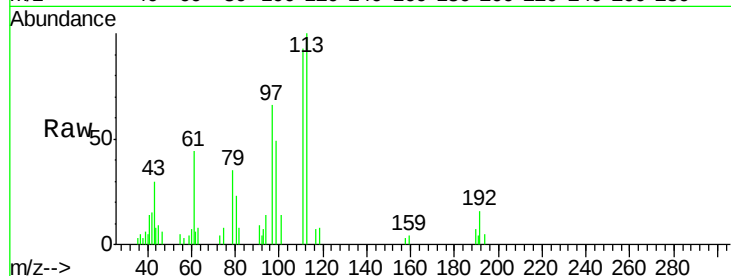




#35
 Dibromofluoromethane
 Concen: 5.51 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

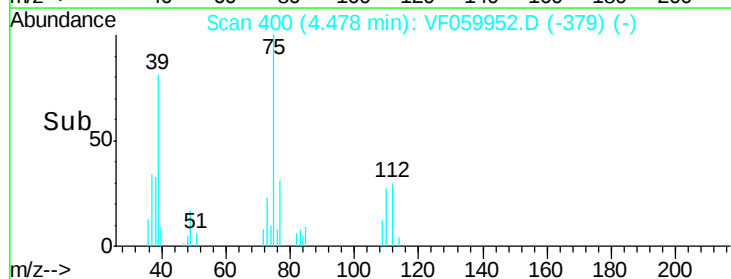
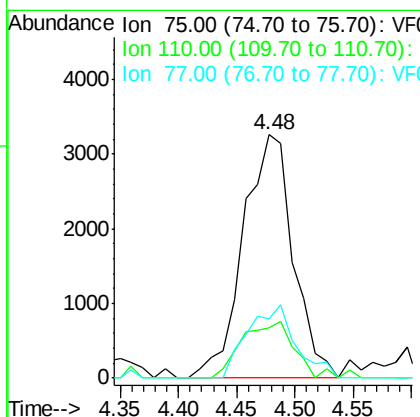
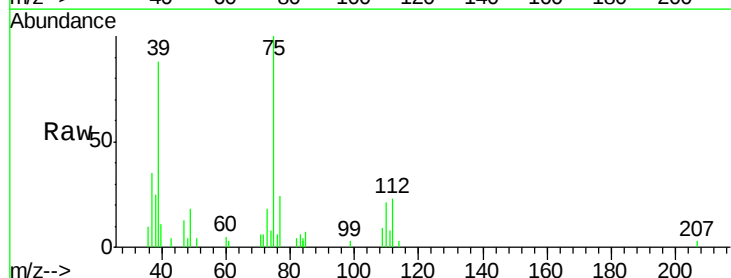
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

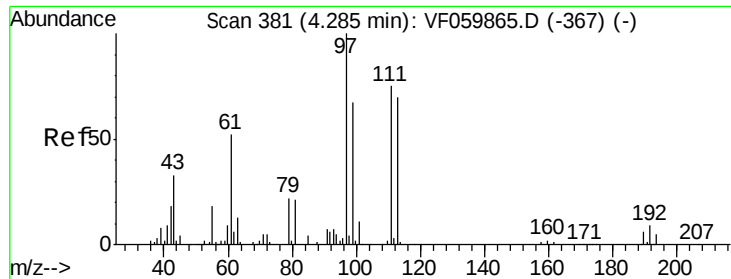
Tot Ion:113 Resp: 9068
 Ion Ratio Lower Upper
 113 100
 111 93.2 80.6 121.0
 192 15.8 11.7 17.5



#36
 1,1-Dichloropropene
 Concen: 5.12 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 75 Resp: 9690
 Ion Ratio Lower Upper
 75 100
 110 20.6 12.6 37.8
 77 24.1 22.7 34.1

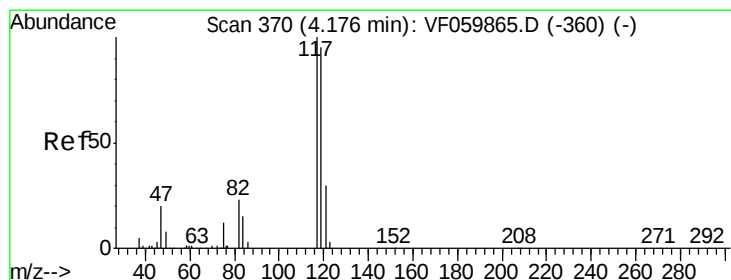
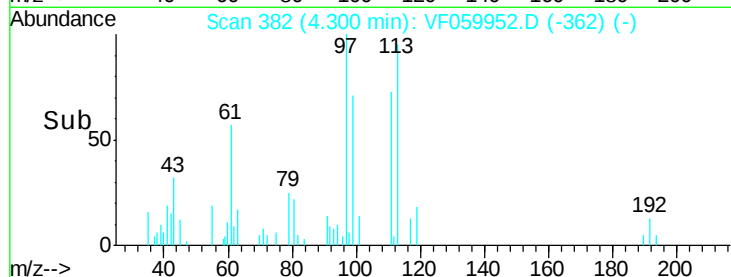
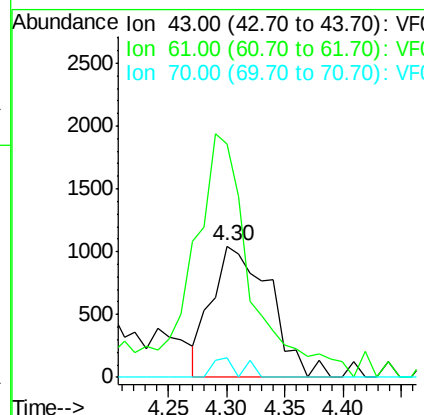
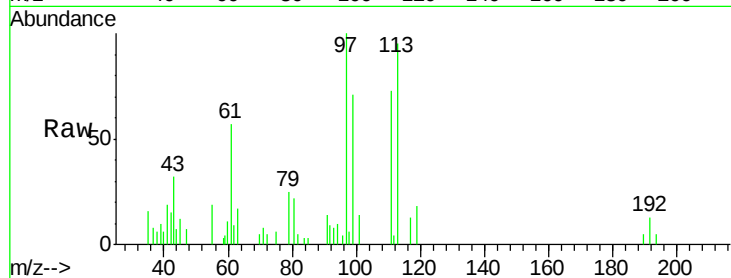




#37
Ethyl Acetate
Concen: 4.46 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

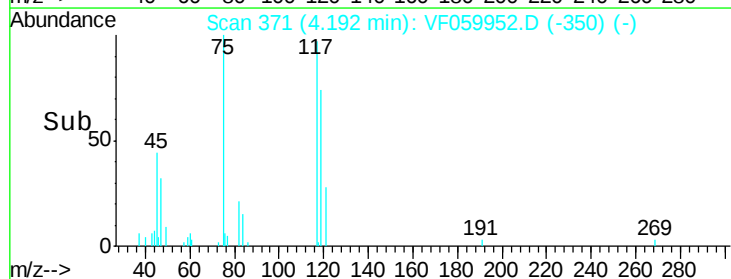
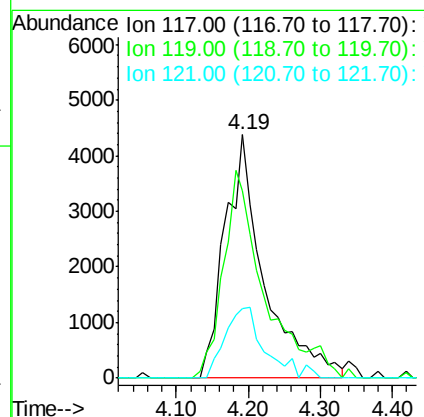
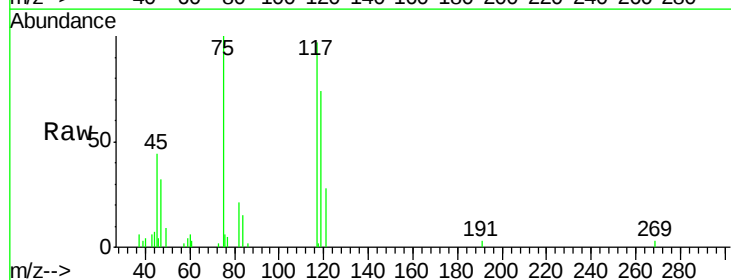
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

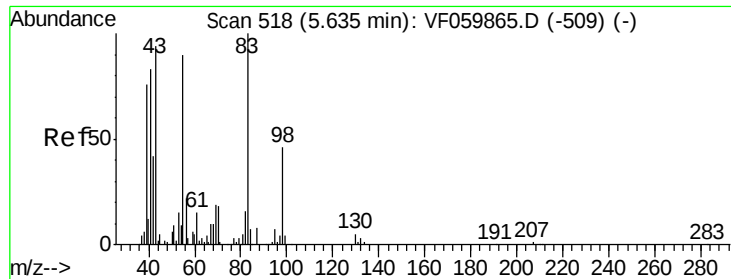
Tot Ion: 43 Resp: 3620
Ion Ratio Lower Upper
43 100
61 177.2 84.3 126.5#
70 15.1 5.5 8.3#



#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 117 Resp: 16591
Ion Ratio Lower Upper
117 100
119 76.8 76.9 115.3#
121 28.7 24.9 37.3

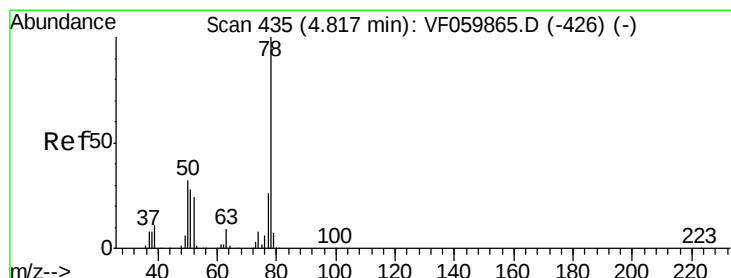
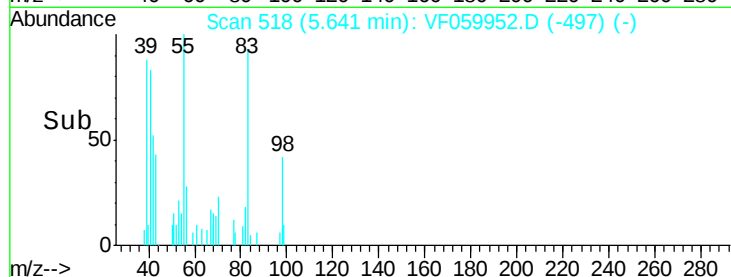
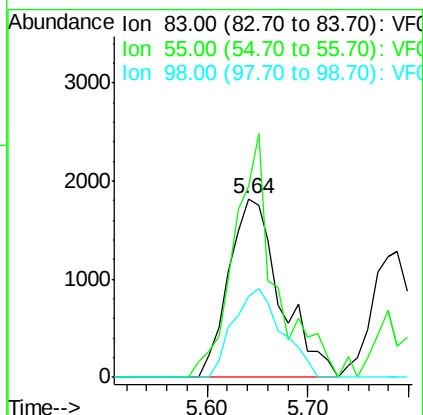
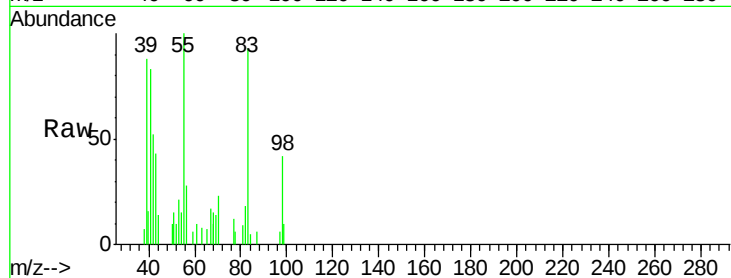




#39
Methvlcvclohexane
Concen: 4.62 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

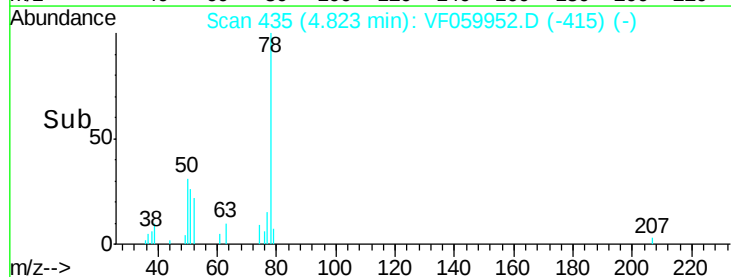
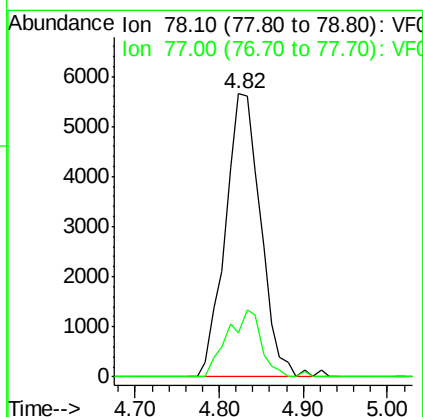
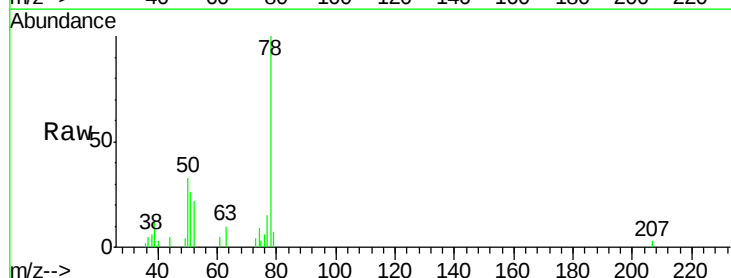
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

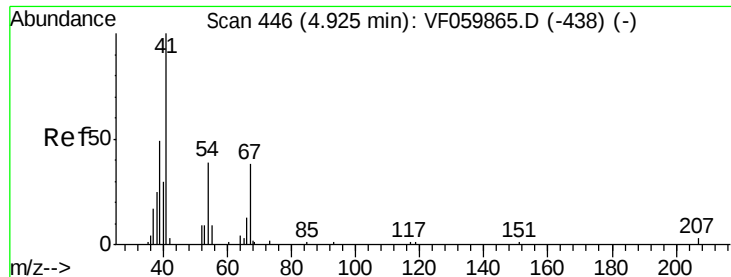
Tot Ion: 83 Resp: 6510
Ion Ratio Lower Upper
83 100
55 107.1 77.4 116.2
98 45.5 41.5 62.3



#40
Benzene
Concen: 2.59 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 78 Resp: 16521
Ion Ratio Lower Upper
78 100
77 15.3 21.1 31.7#

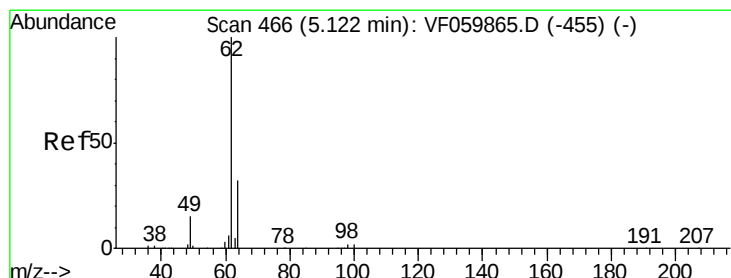
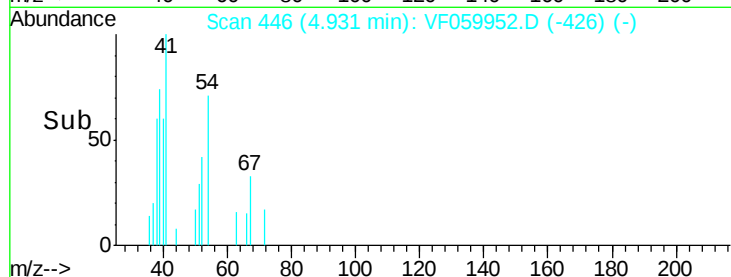
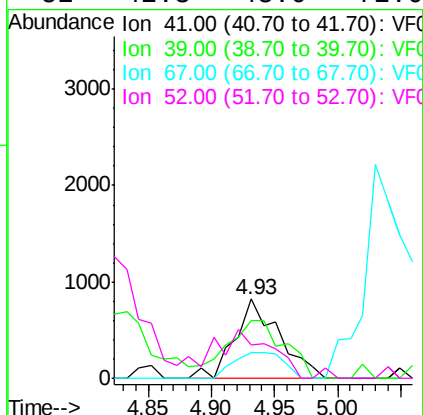
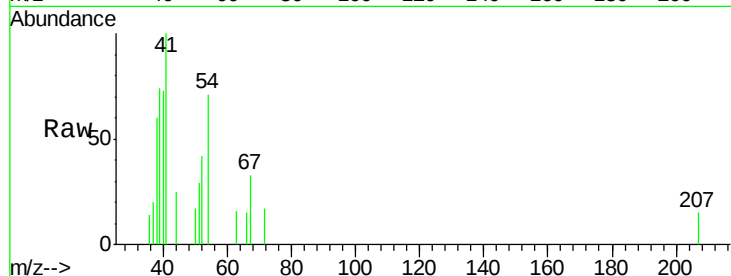




#41
Methacrylonitrile
Concen: 4.73 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

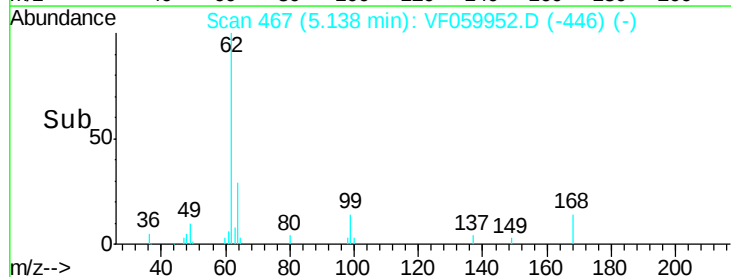
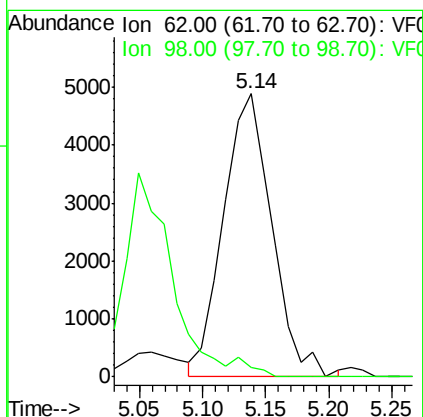
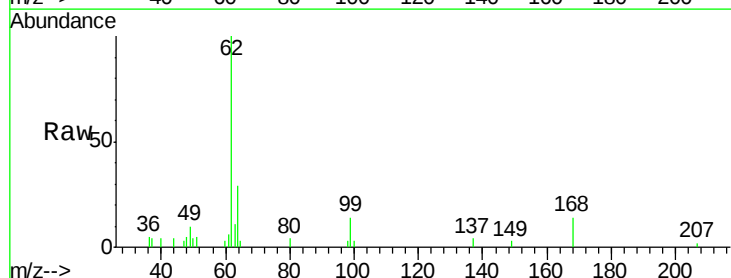
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

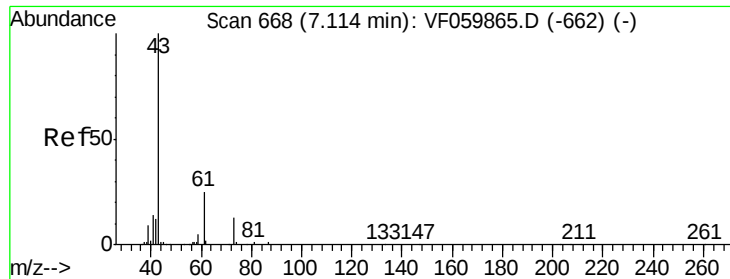
Tot Ion: 41 Resp: 2007
Ion Ratio Lower Upper
41 100
39 73.7 75.7 113.5#
67 32.9 36.1 54.1#
52 42.3 48.0 72.0#



#42
1,2-Dichloroethane
Concen: 4.92 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 62 Resp: 12983
Ion Ratio Lower Upper
62 100
98 3.4 0.0 5.0



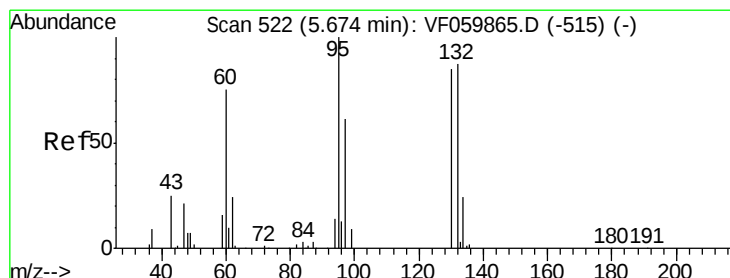
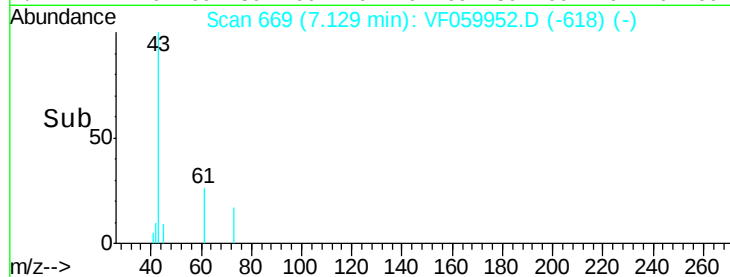
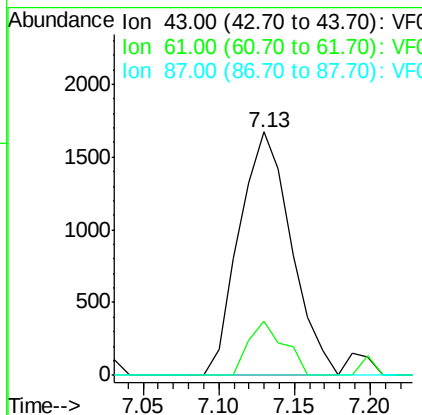
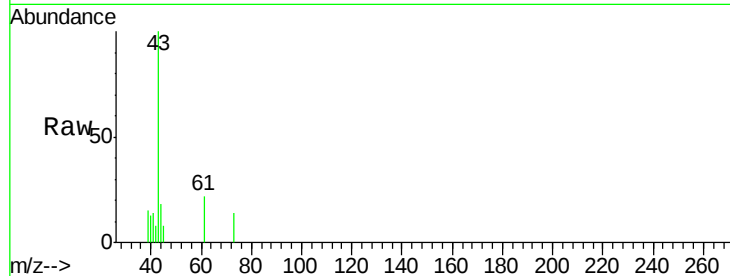


#43

Isopropyl Acetate
 Concen: 4.70 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

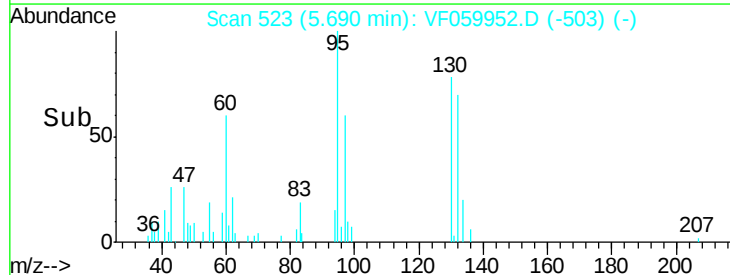
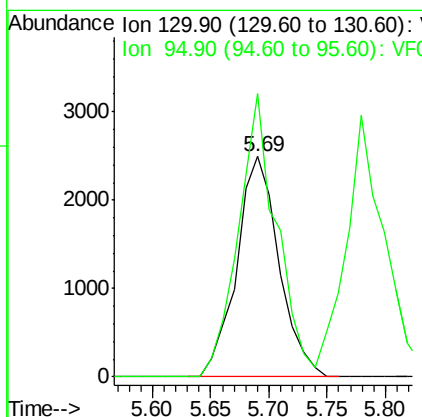
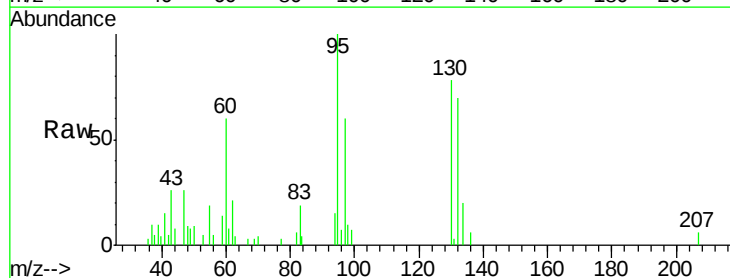
Tot Ion: 43 Resp: 4017
 Ion Ratio Lower Upper
 43 100
 61 22.0 18.6 27.8
 87 0.0 0.0 0.0

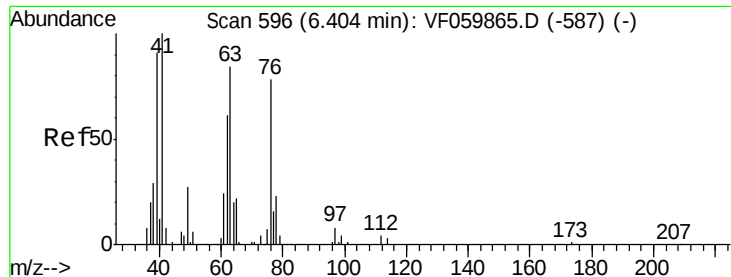


#44

Trichloroethene
 Concen: 4.99 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 130 Resp: 6271
 Ion Ratio Lower Upper
 130 100
 95 128.5 0.0 222.0





#45

1,2-Dichloropropane

Concen: 4.94 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

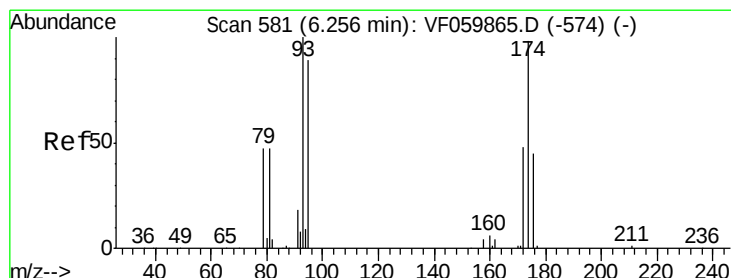
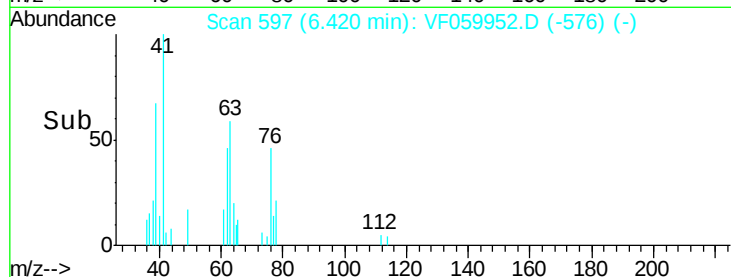
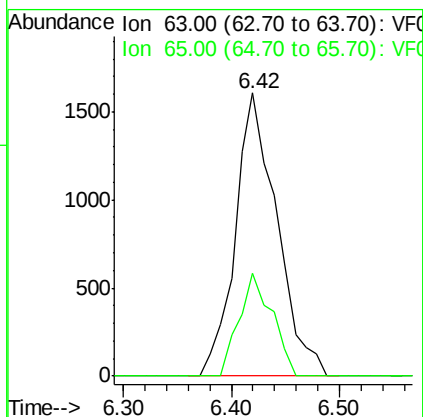
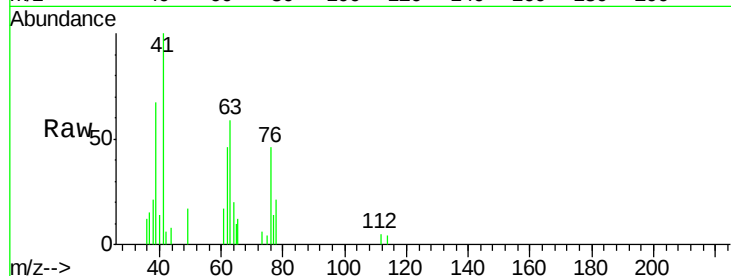
VSTDIC005

Tot Ion: 63 Resp: 4296

Ion Ratio Lower Upper

63 100

65 36.4 27.8 41.6



#46

Dibromomethane

Concen: 4.87 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

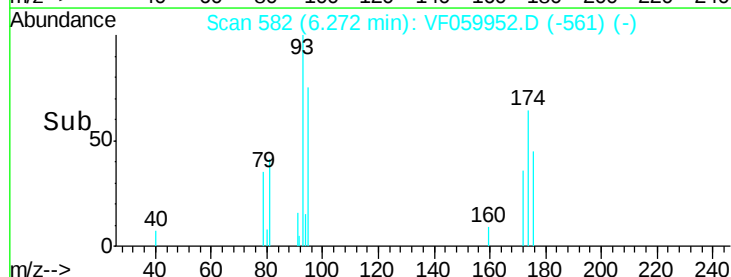
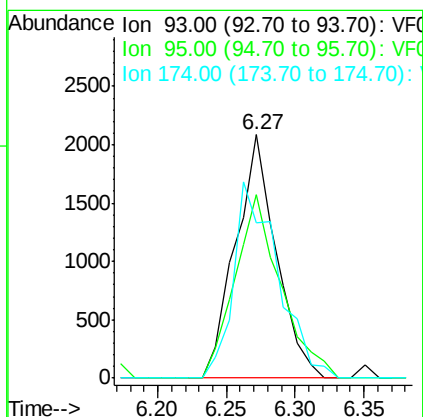
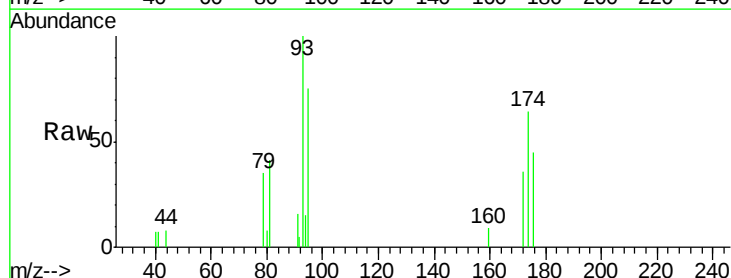
Tgt Ion: 93 Resp: 4287

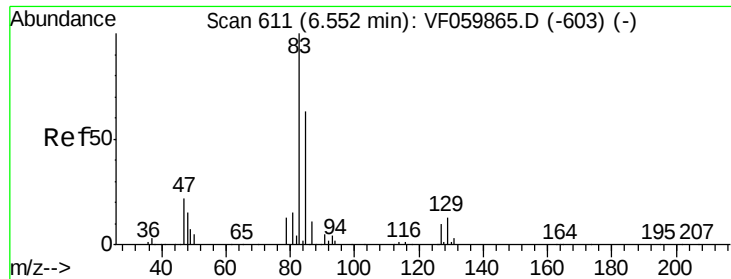
Ion Ratio Lower Upper

93 100

95 75.4 72.4 108.6

174 63.9 75.9 113.9#





#47

Bromodichloromethane

Concen: 4.80 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

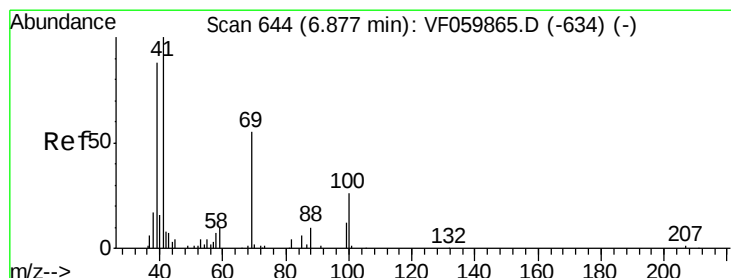
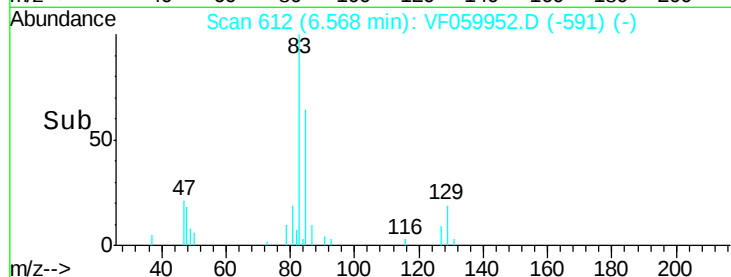
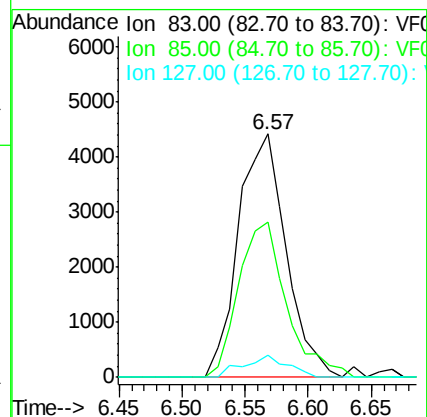
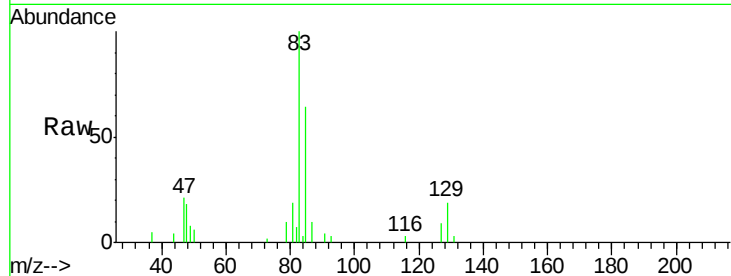
Tot Ion: 83 Resp: 11594

Ion Ratio Lower Upper

83 100

85 64.0 51.5 77.3

127 9.0 7.5 11.3



#48

Methyl methacrylate

Concen: 4.27 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

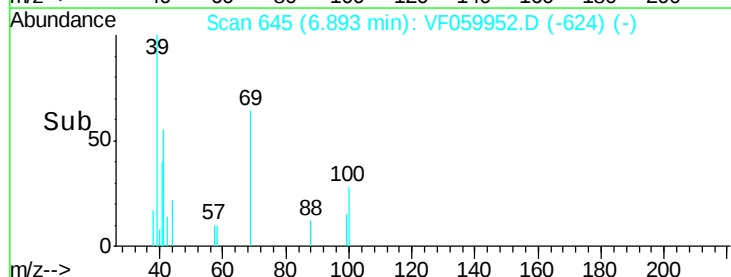
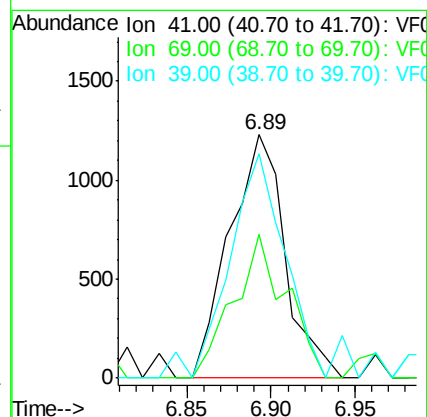
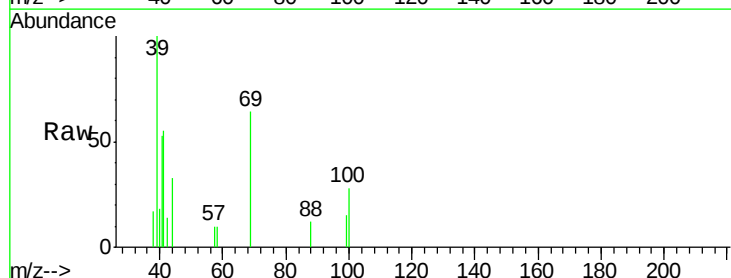
Tgt Ion: 41 Resp: 2815

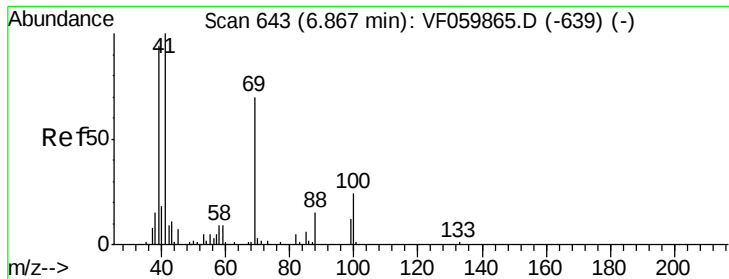
Ion Ratio Lower Upper

41 100

69 59.0 54.8 82.2

39 92.2 75.1 112.7





#49

1,4-Dioxane

Concen: 61.29 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

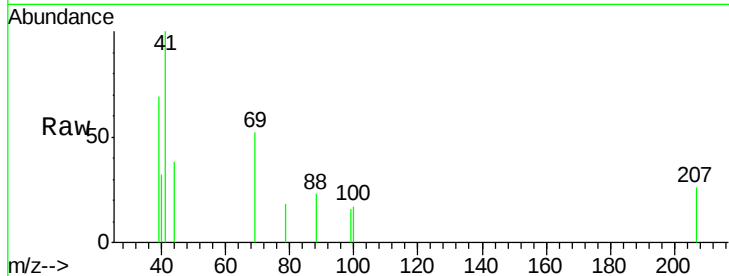
Tot Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 0.0 47.9 71.9#

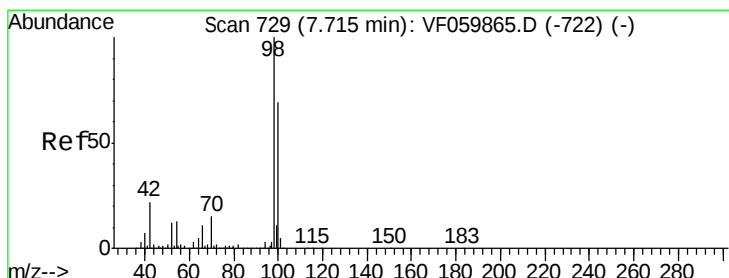
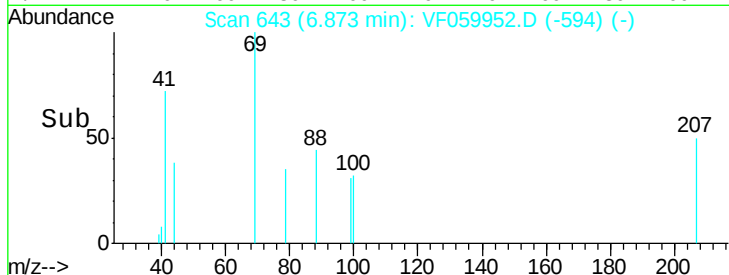
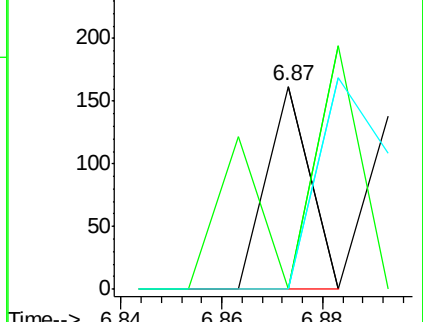
58 0.0 52.0 78.0#



Abundance Ion 88.00 (87.70 to 88.70): VF059865.D (-639) (-)

Ion 43.00 (42.70 to 43.70): VF059865.D (-639) (-)

Ion 58.00 (57.70 to 58.70): VF059865.D (-639) (-)



#50

Toluene-d8

Concen: 5.12 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF059952.D

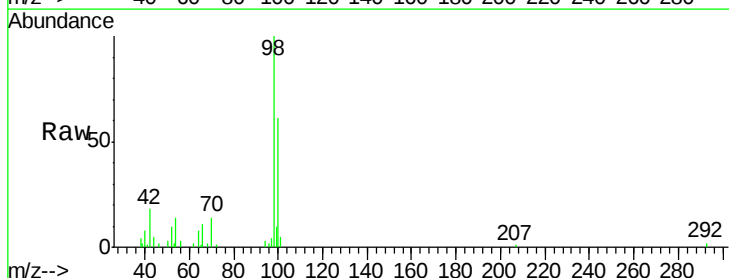
Acq: 14 Aug 2018 18:41

Tgt Ion: 98 Resp: 18087

Ion Ratio Lower Upper

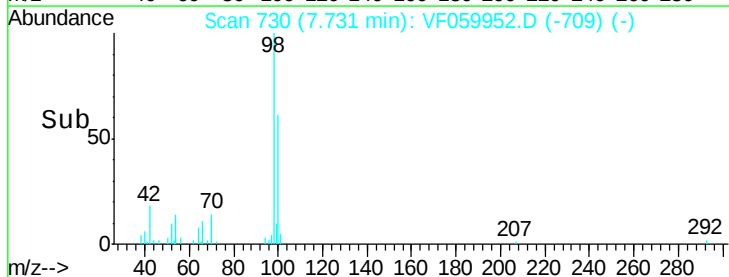
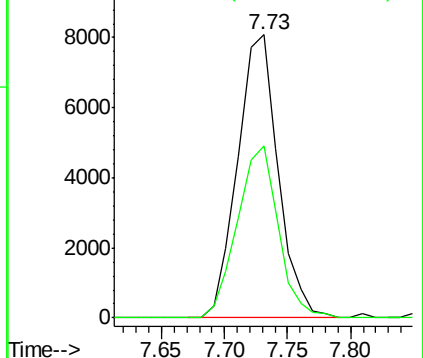
98 100

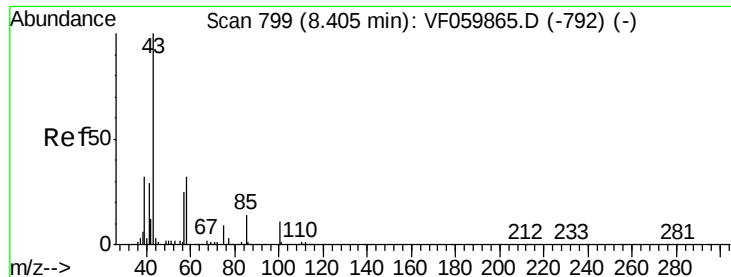
100 60.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VF059865.D (-722) (-)

Ion 100.00 (99.70 to 100.70): VF059865.D (-722) (-)





#51

4-Methyl-2-Pentanone

Concen: 23.13 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

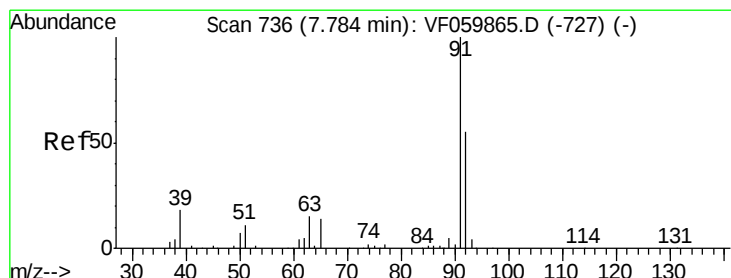
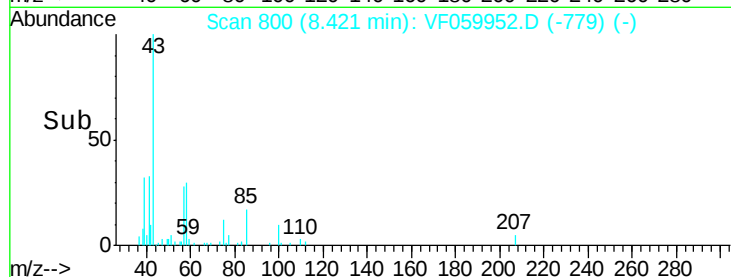
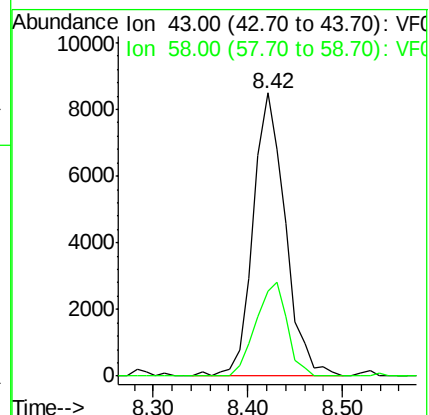
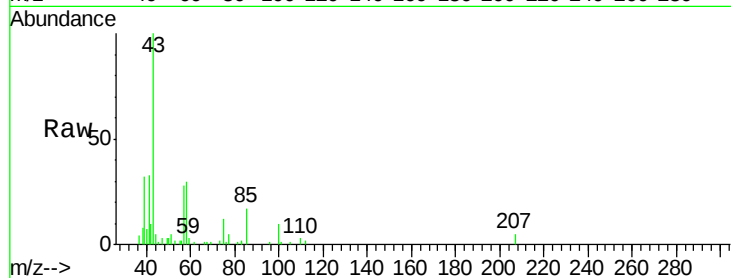
VSTDIC005

Tot Ion: 43 Resp: 20074

Ion Ratio Lower Upper

43 100

58 30.2 24.2 36.4



#52

Toluene

Concen: 4.79 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059952.D

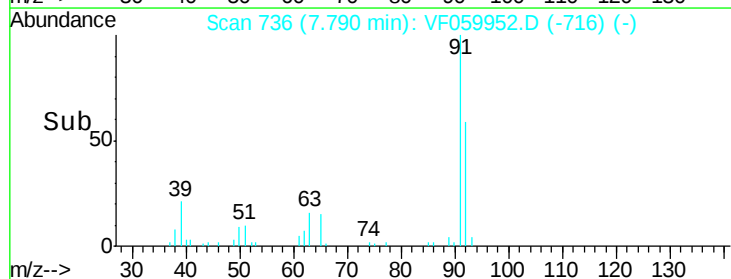
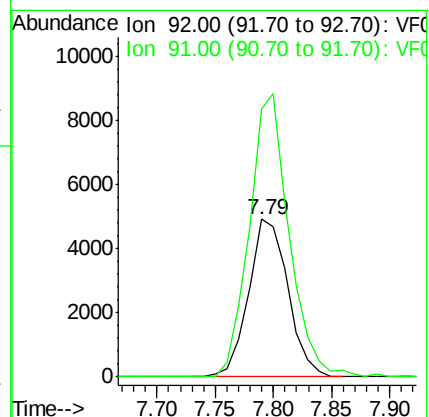
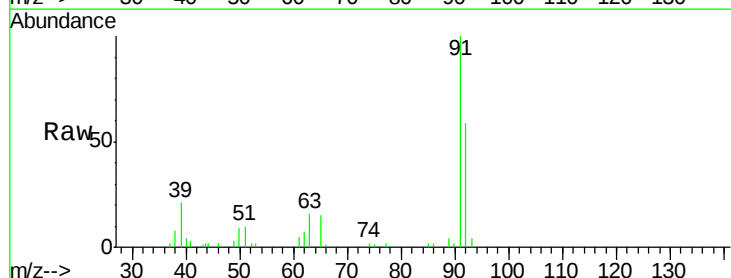
Acq: 14 Aug 2018 18:41

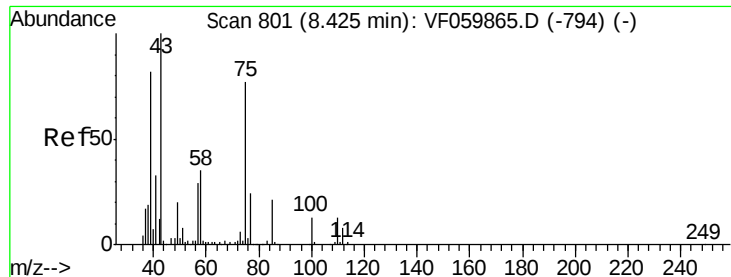
Tgt Ion: 92 Resp: 11510

Ion Ratio Lower Upper

92 100

91 170.2 131.2 196.8

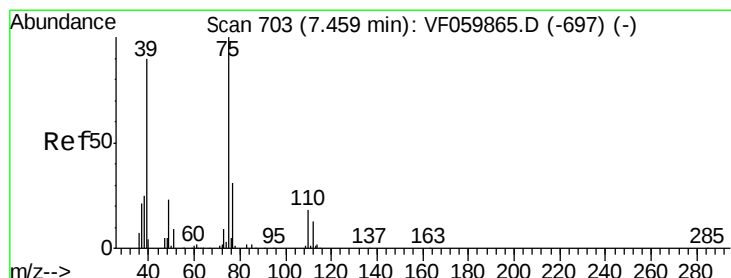
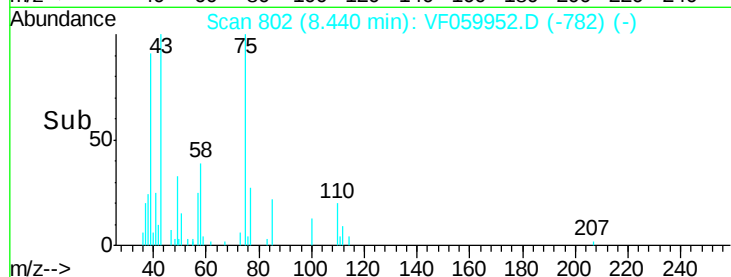
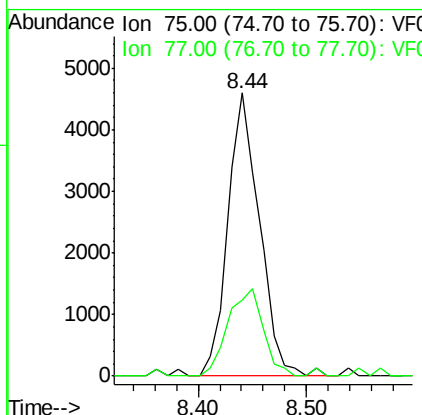
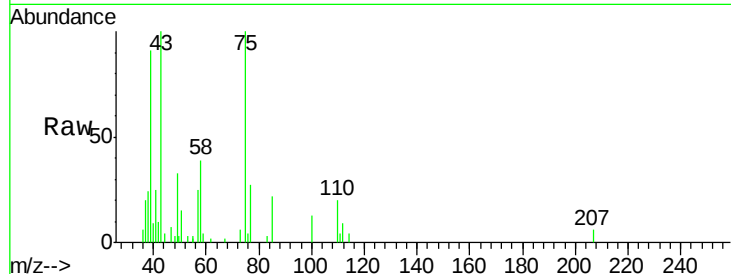




#53
 t-1,3-Dichloropropene
 Concen: 5.01 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

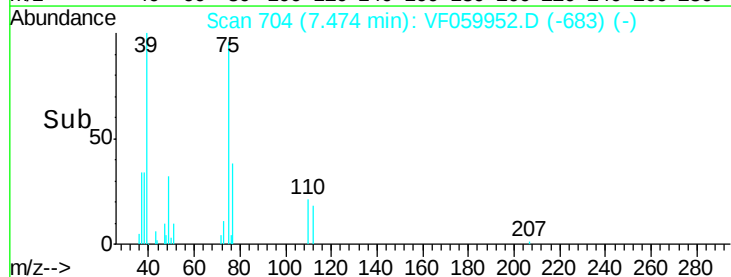
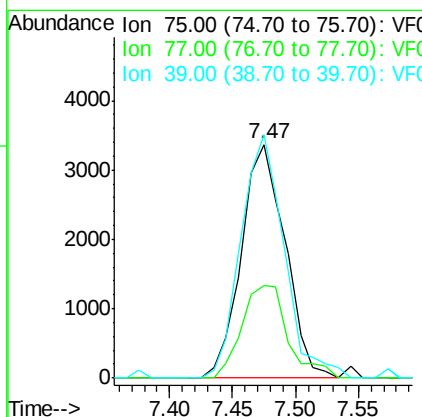
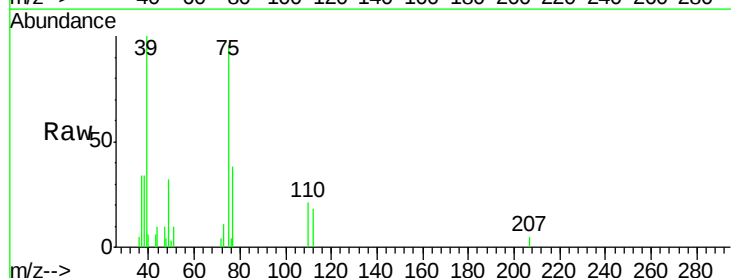
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

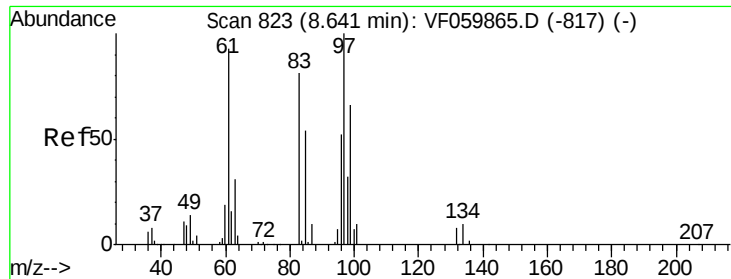
Tot Ion: 75 Resp: 9354
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.25 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 75 Resp: 8121
 Ion Ratio Lower Upper
 75 100
 77 39.5 26.1 39.1#
 39 104.0 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 4.28 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 3701

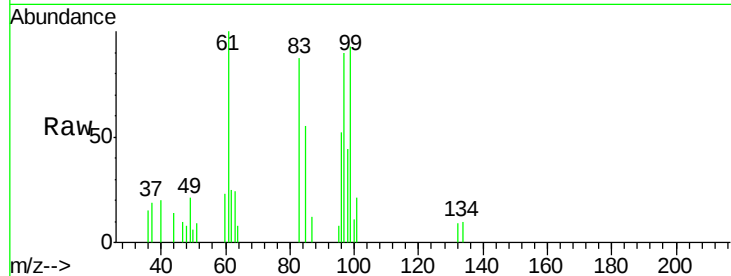
Ion Ratio Lower Upper

97 100

83 95.9 70.0 105.0

85 61.4 45.2 67.8

99 102.8 49.7 74.5#



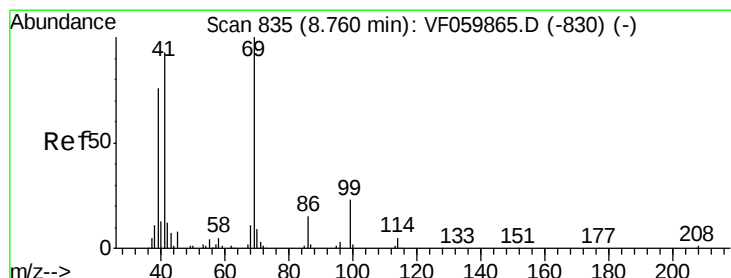
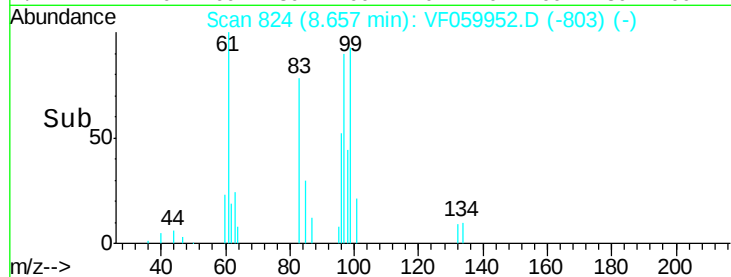
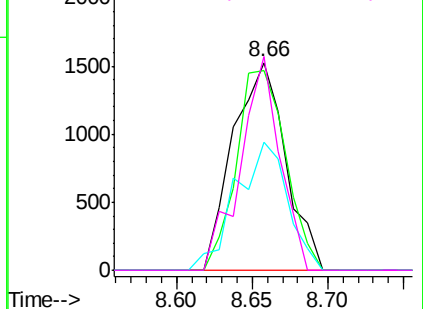
Abundance

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: 7.11 ug/l

RT: 8.79 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

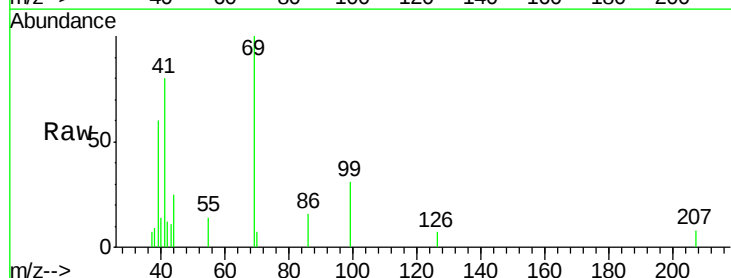
Tgt Ion: 69 Resp: 3527

Ion Ratio Lower Upper

69 100

41 80.1 68.7 103.1

39 60.3 58.5 87.7

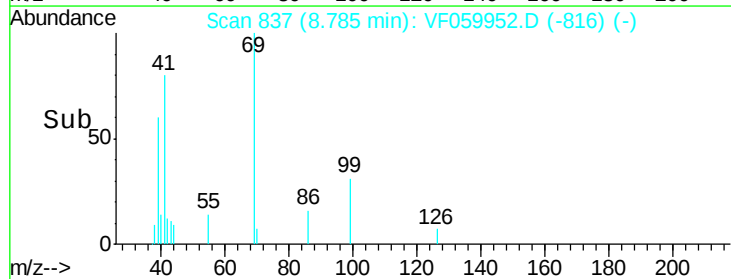
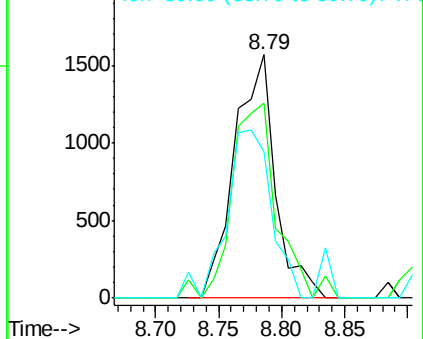


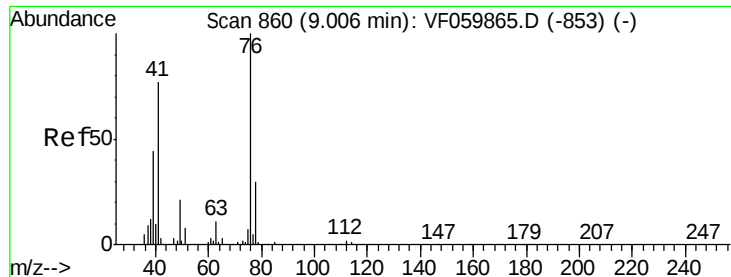
Abundance

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: 4.49 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

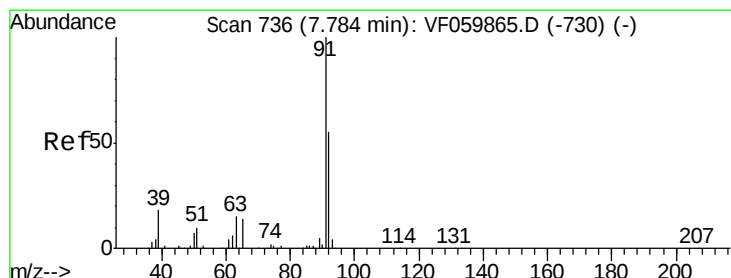
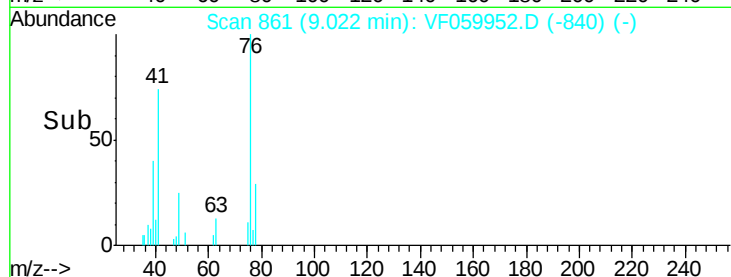
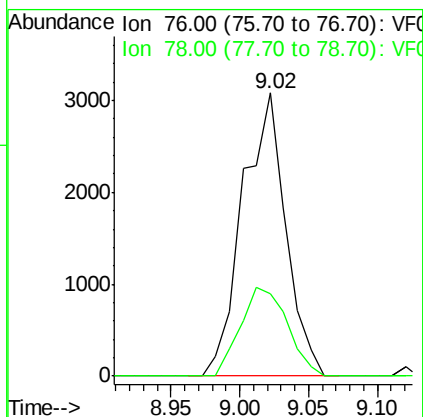
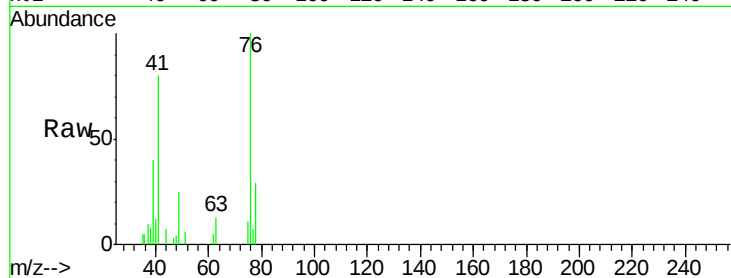
VSTDIC005

Tot Ion: 76 Resp: 6730

Ion Ratio Lower Upper

76 100

78 28.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 23.44 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059952.D

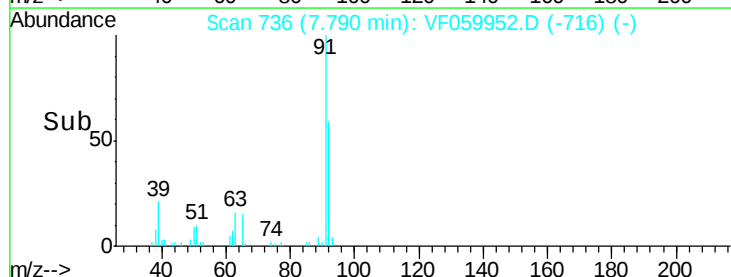
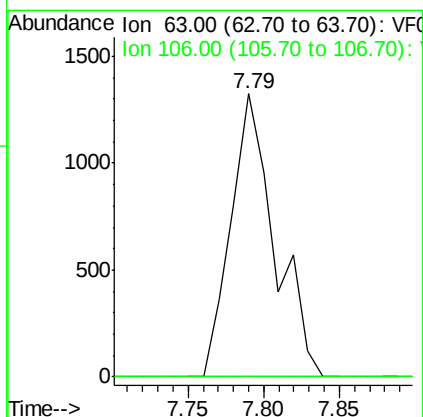
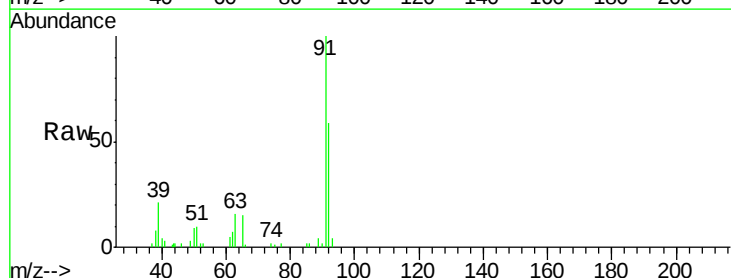
Acq: 14 Aug 2018 18:41

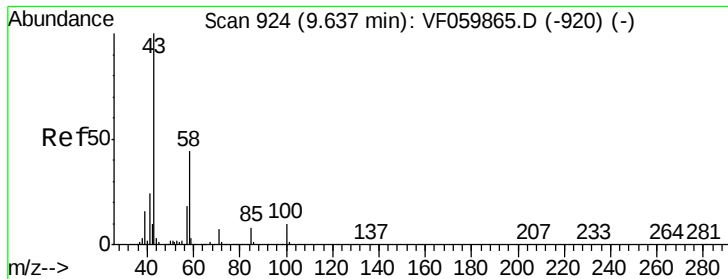
Tgt Ion: 63 Resp: 2678

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

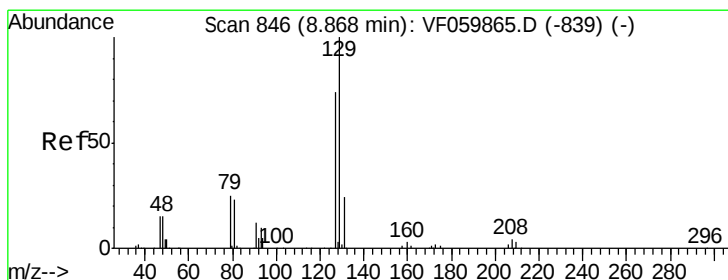
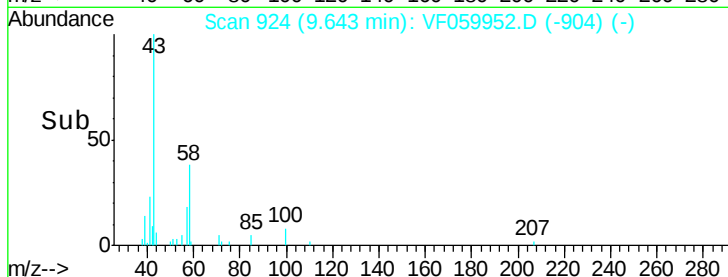
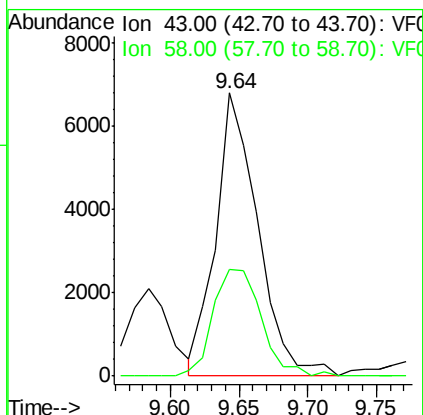
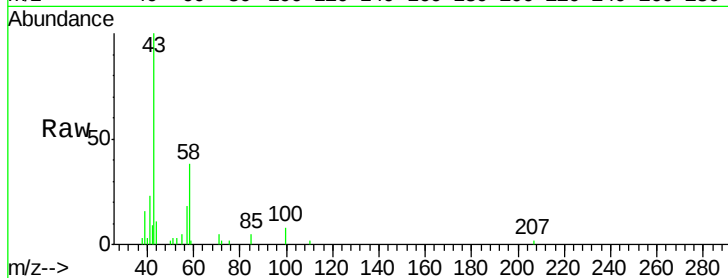




#59
2-Hexanone
Concen: 23.30 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

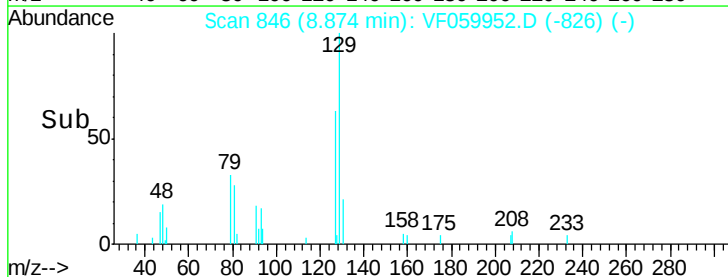
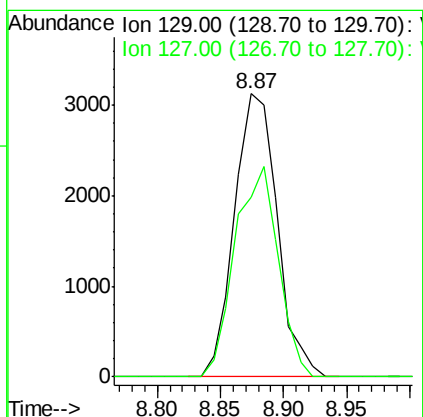
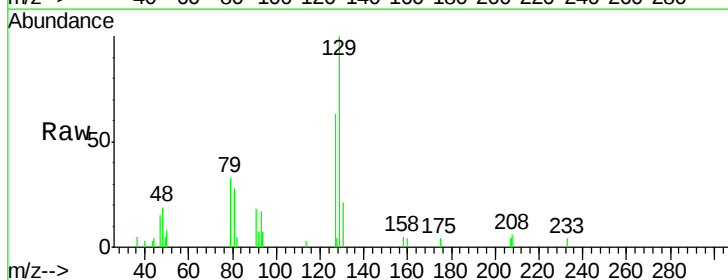
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

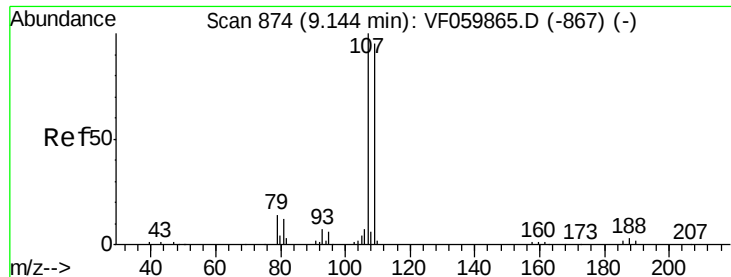
Tot Ion: 43 Resp: 14371
Ion Ratio Lower Upper
43 100
58 37.9 19.4 58.2



#60
Dibromochloromethane
Concen: 4.53 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 129 Resp: 7371
Ion Ratio Lower Upper
129 100
127 67.8 40.0 119.9





#61

1,2-Dibromoethane

Concen: 4.07 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

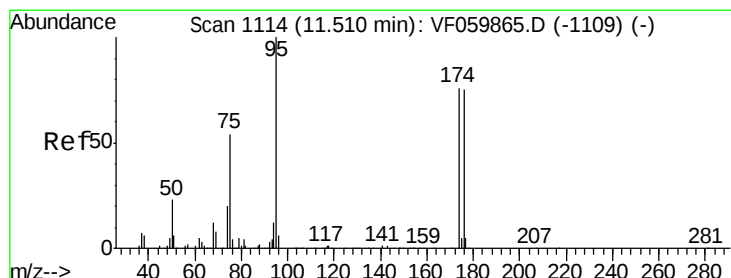
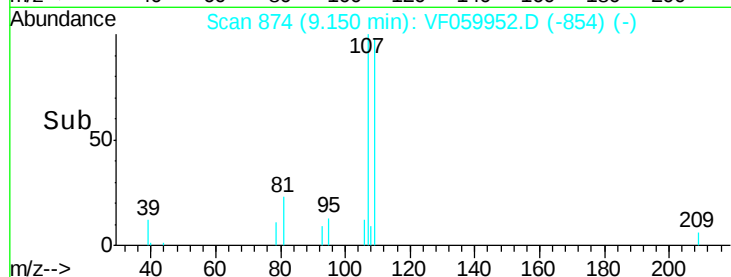
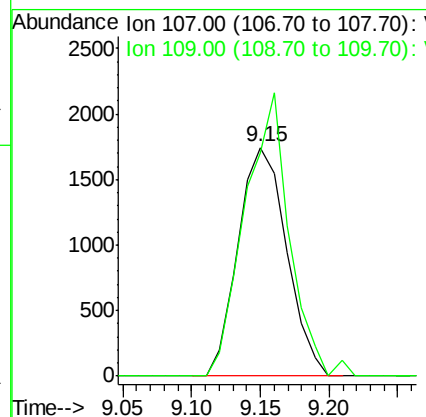
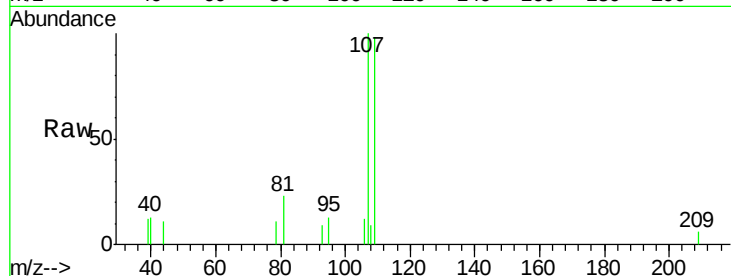
VSTDIC005

Tot Ion:107 Resp: 4284

Ion Ratio Lower Upper

107 100

109 97.7 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 5.00 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

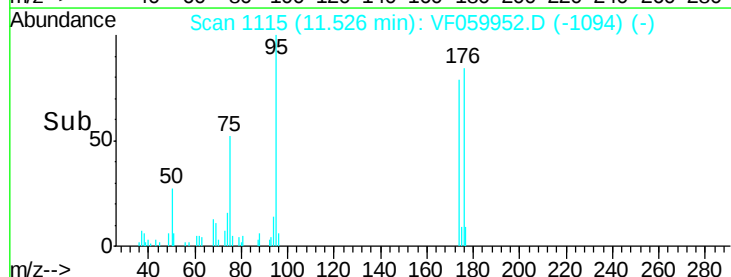
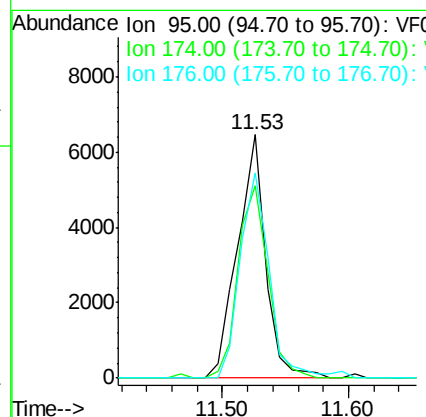
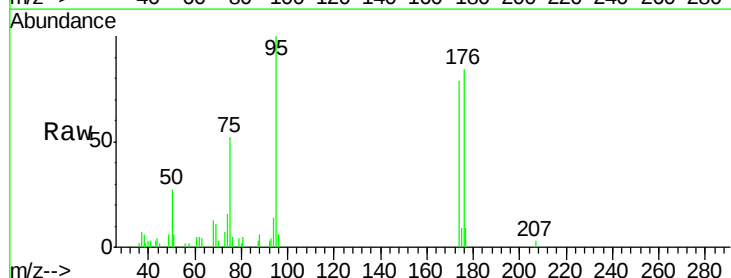
Tgt Ion: 95 Resp: 9930

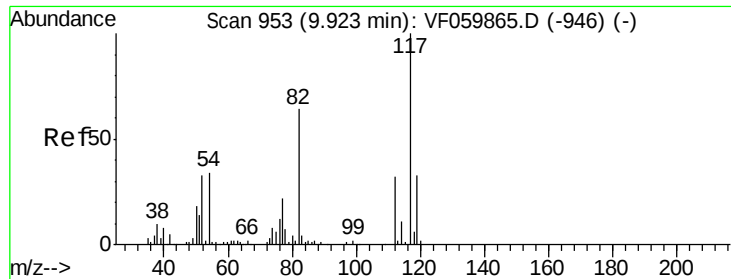
Ion Ratio Lower Upper

95 100

174 79.1 0.0 156.4

176 84.4 0.0 146.8

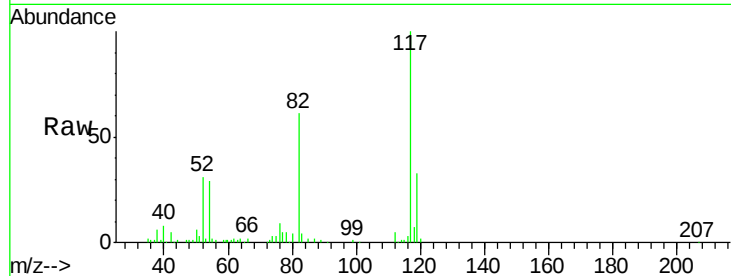




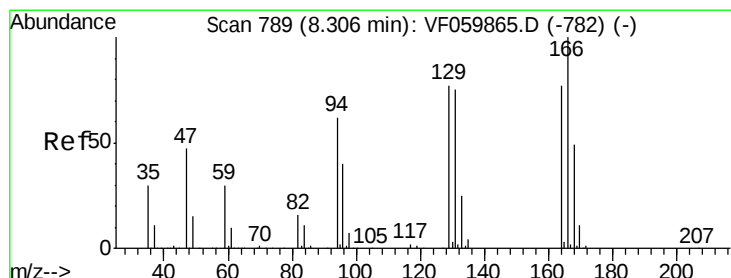
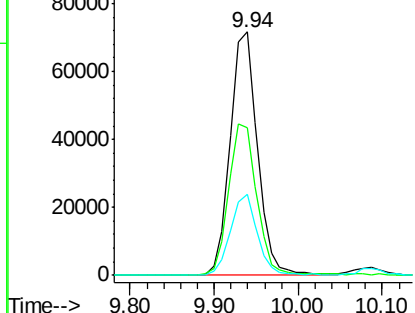
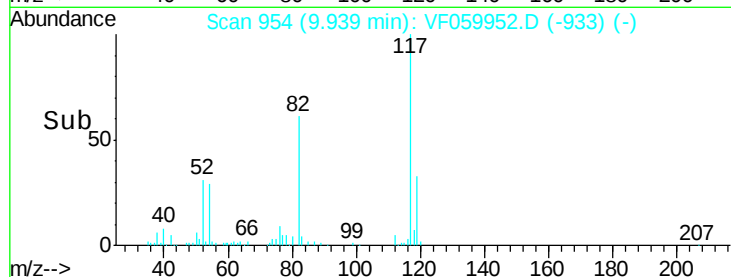
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 163153
Ion Ratio Lower Upper
117 100
82 60.8 48.3 72.5
119 33.2 25.7 38.5

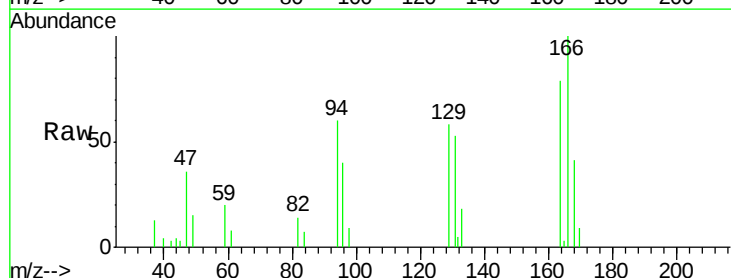


Abundance Ion 117.00 (116.70 to 117.70):
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70):

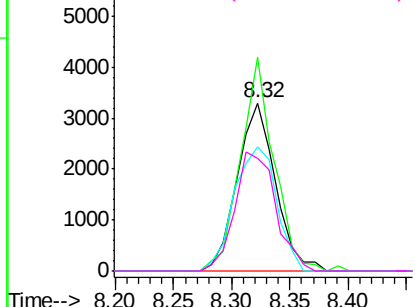
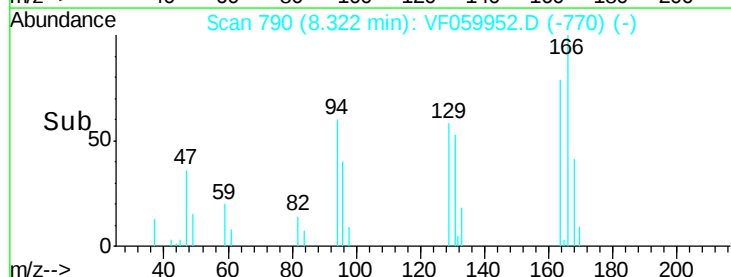


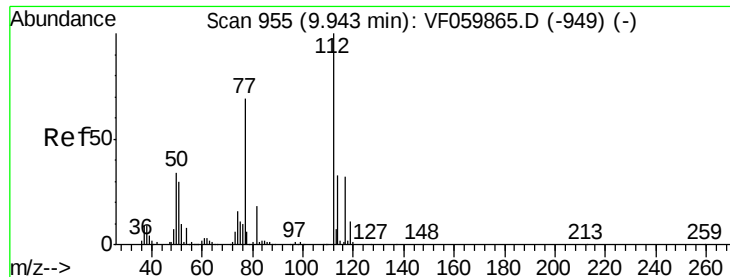
#64
Tetrachloroethene
Concen: 5.50 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion:164 Resp: 7496
Ion Ratio Lower Upper
164 100
166 127.2 103.4 155.2
129 73.8 82.2 123.4#
131 67.3 76.7 115.1#



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





#65

Chlorobenzene

Concen: 5.34 ug/l

RT: 9.96 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

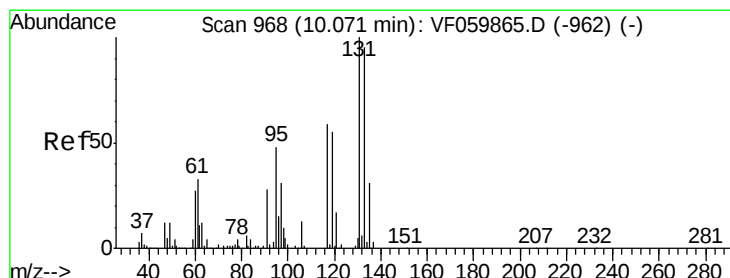
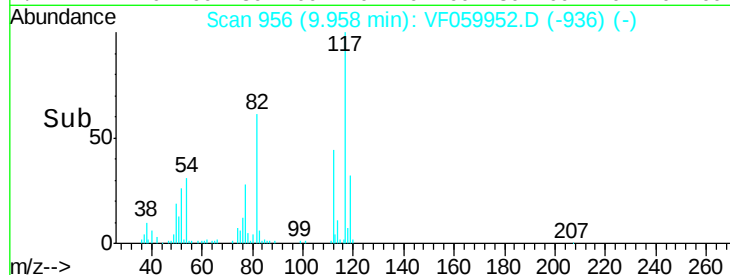
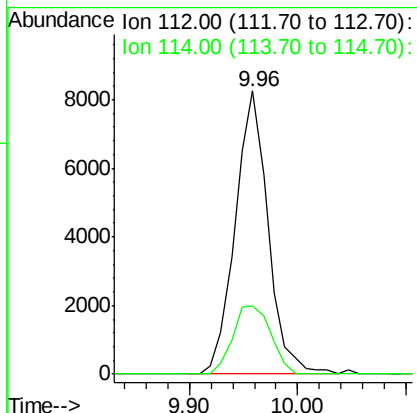
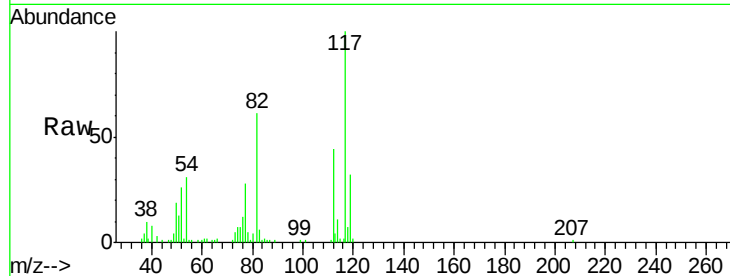
VSTDIC005

Tot Ion:112 Resp: 17444

Ion Ratio Lower Upper

112 100

114 24.0 25.8 38.6#



#66

1,1,1,2-Tetrachloroethane

Concen: 4.69 ug/l

RT: 10.09 min Scan# 969

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

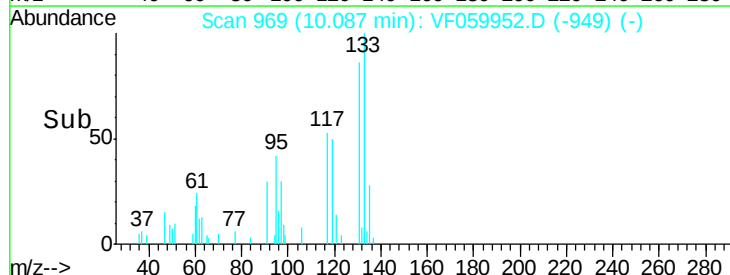
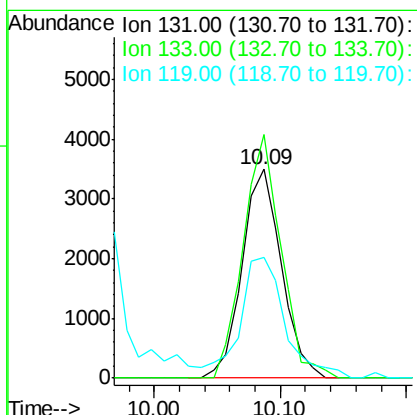
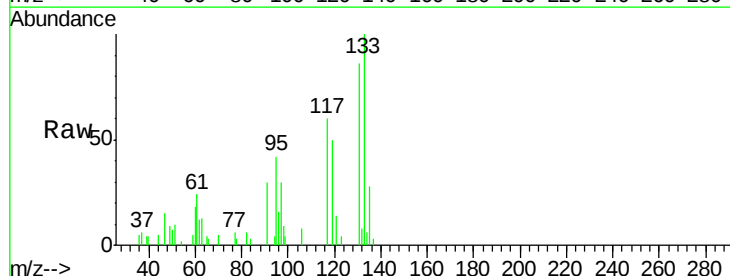
Tgt Ion:131 Resp: 7580

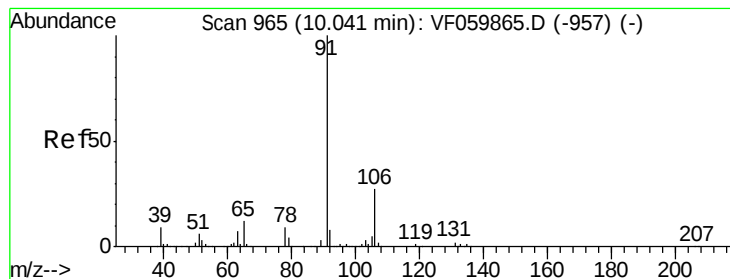
Ion Ratio Lower Upper

131 100

133 116.8 46.4 139.1

119 57.9 27.2 81.5





#67

Ethyl Benzene

Concen: 5.06 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

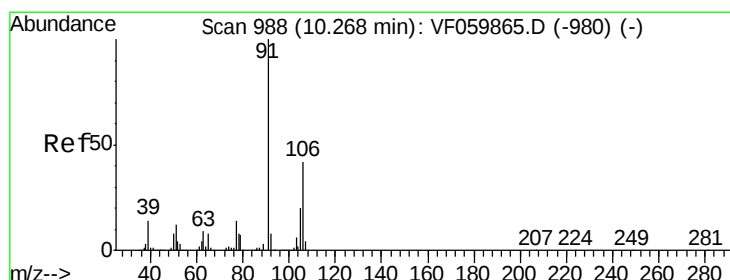
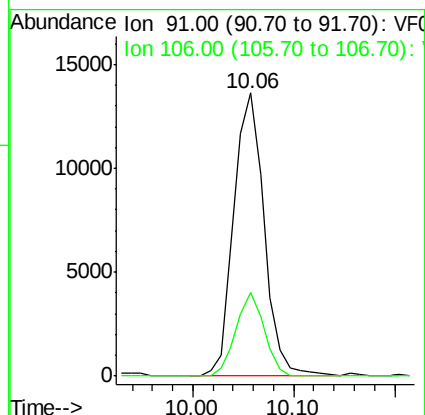
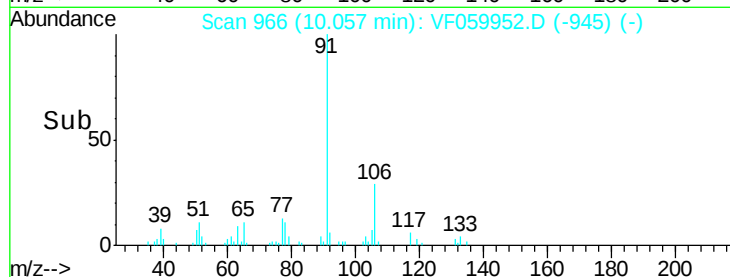
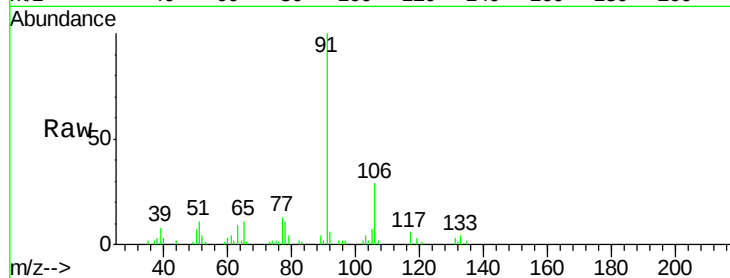
VSTDIC005

Tot Ion: 91 Resp: 28600

Ion Ratio Lower Upper

91 100

106 29.4 20.7 31.1



#68

m/p-Xylenes

Concen: 10.26 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.01 min

Lab File: VF059952.D

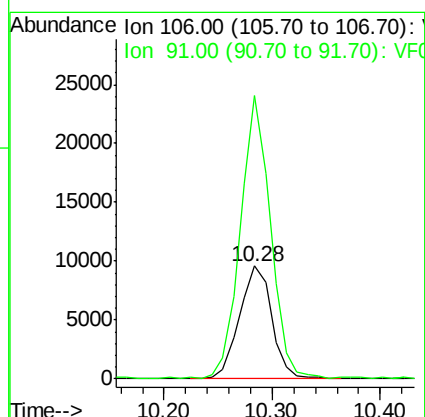
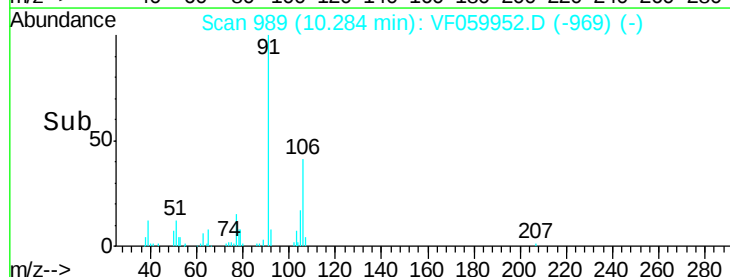
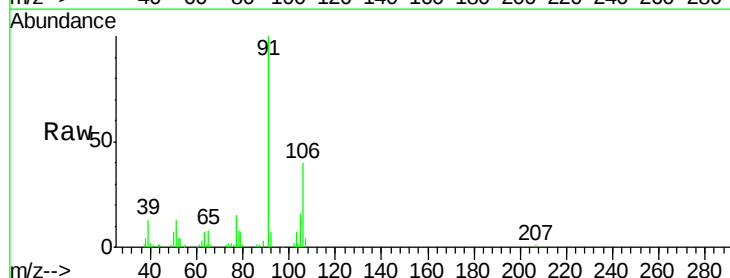
Acq: 14 Aug 2018 18:41

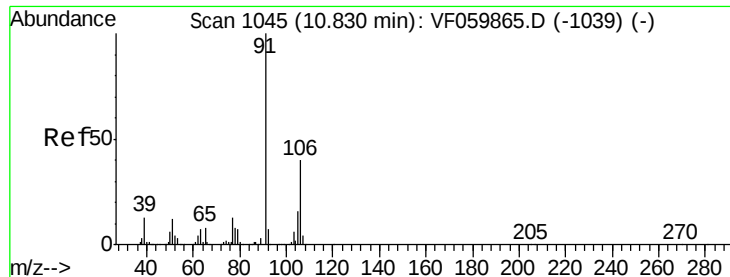
Tgt Ion: 106 Resp: 20068

Ion Ratio Lower Upper

106 100

91 250.9 191.8 287.8

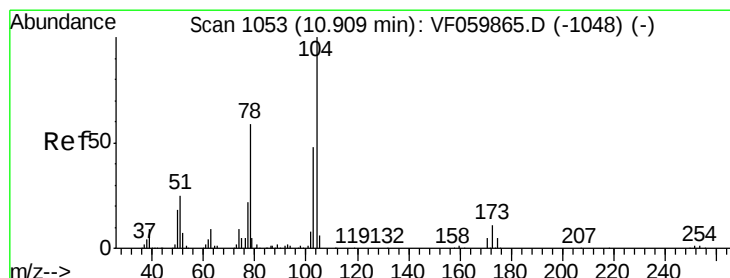
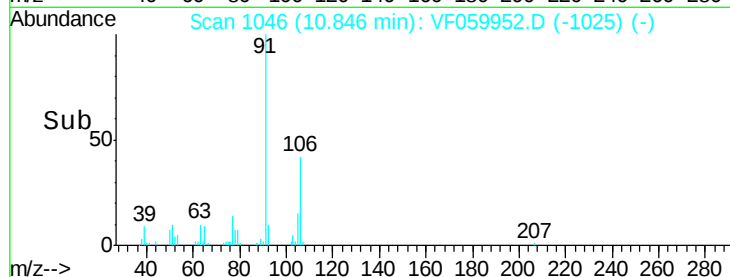
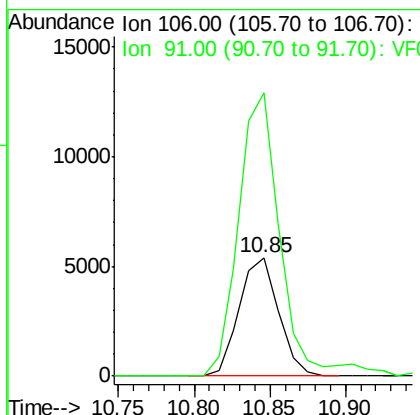
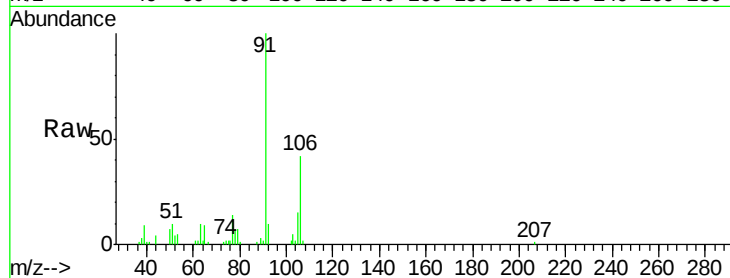




#69
o-Xylene
Concen: 4.78 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

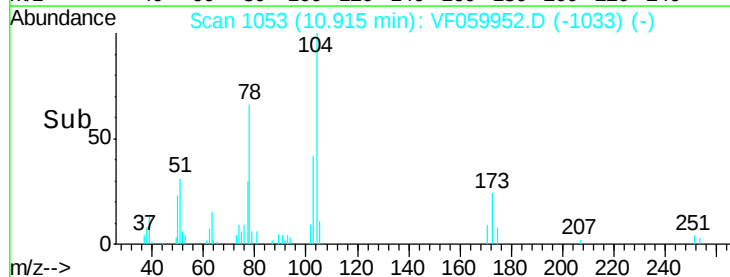
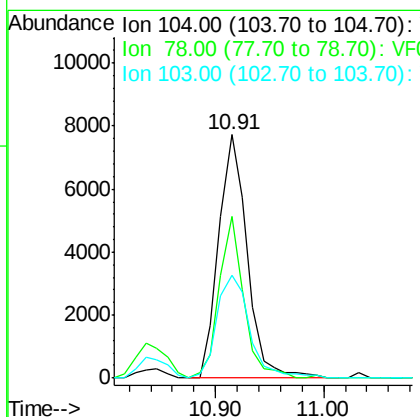
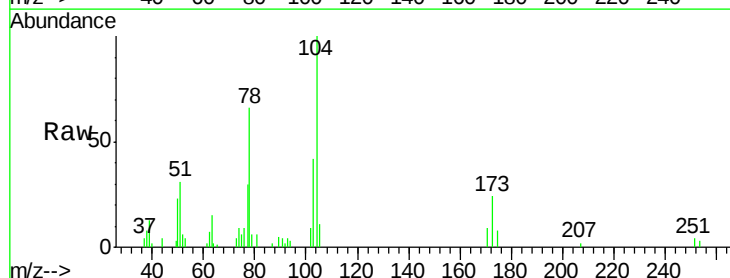
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

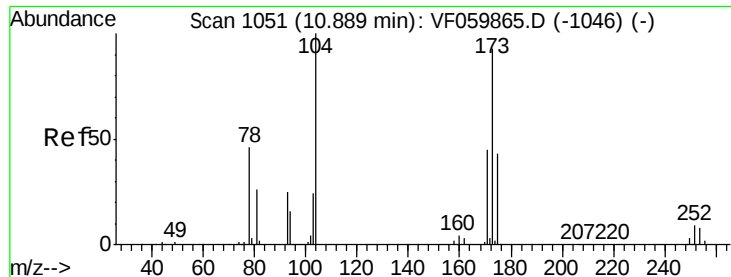
Tot Ion:106 Resp: 9813
Ion Ratio Lower Upper
106 100
91 239.0 126.8 380.6



#70
Styrene
Concen: 4.57 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion:104 Resp: 14167
Ion Ratio Lower Upper
104 100
78 66.4 49.2 73.8
103 42.2 37.4 56.0





#71

Bromoform

Concen: 5.01 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

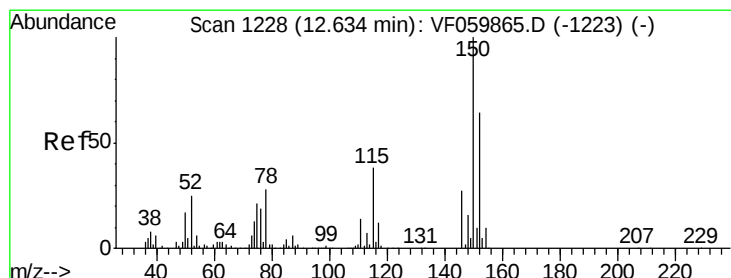
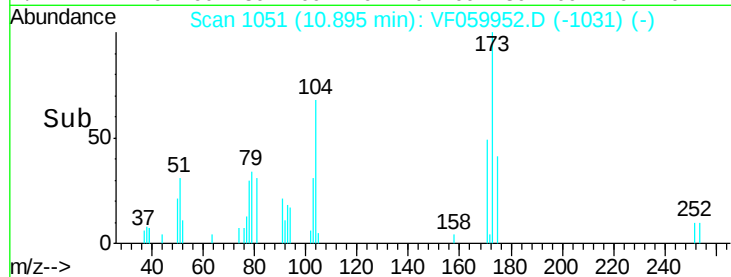
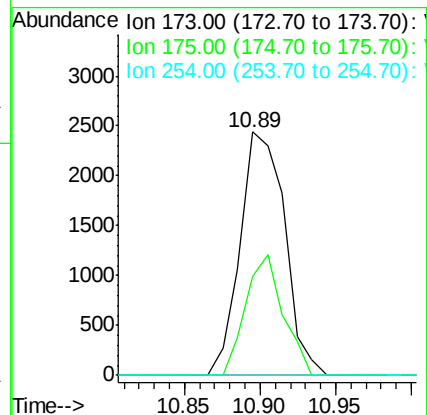
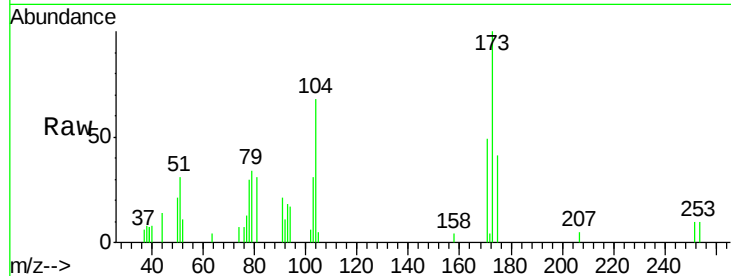
Tot Ion:173 Resp: 4993

Ion Ratio Lower Upper

173 100

175 40.8 24.6 73.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

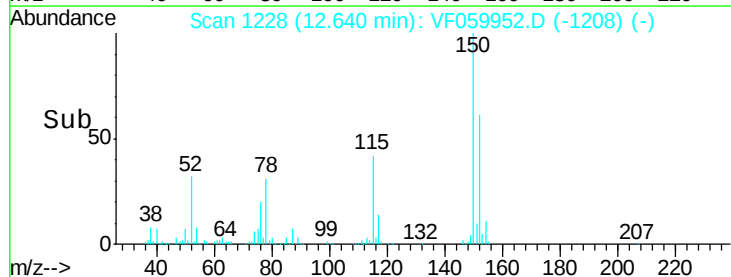
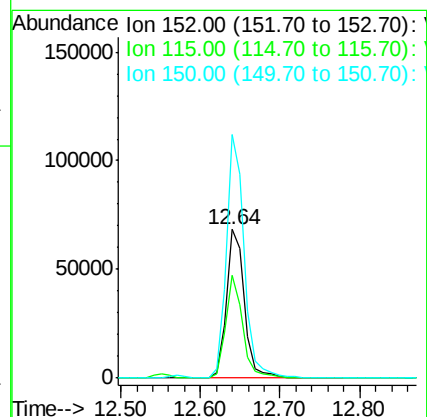
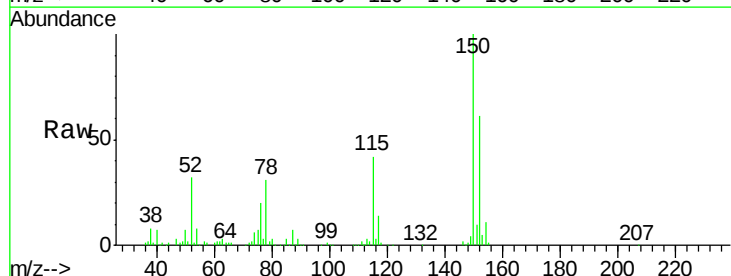
Tgt Ion:152 Resp: 109233

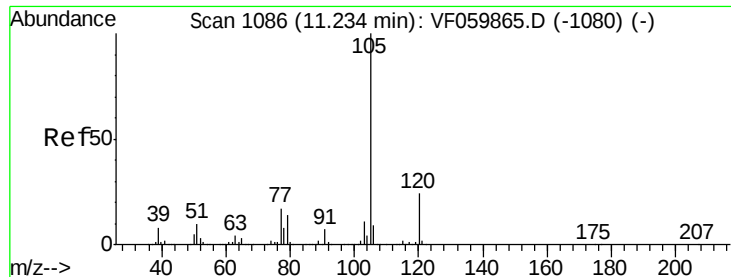
Ion Ratio Lower Upper

152 100

115 69.3 31.4 94.0

150 163.8 0.0 326.2





#73

Isopropylbenzene

Concen: 4.77 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

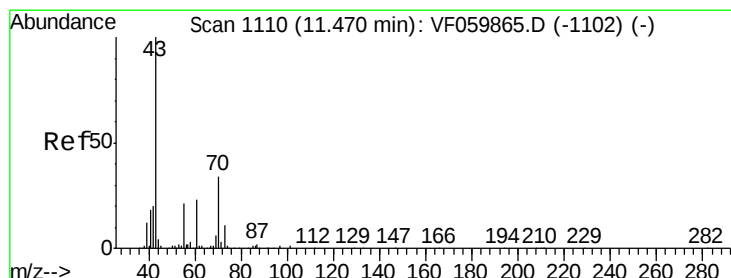
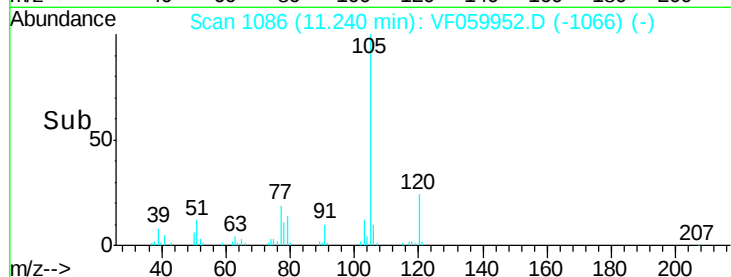
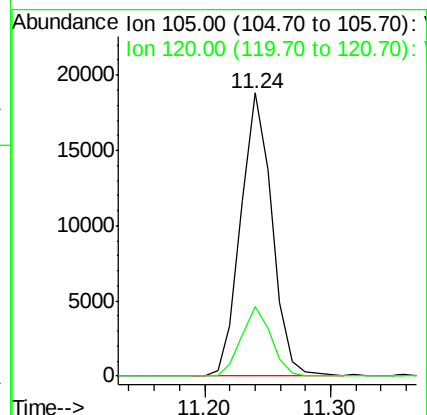
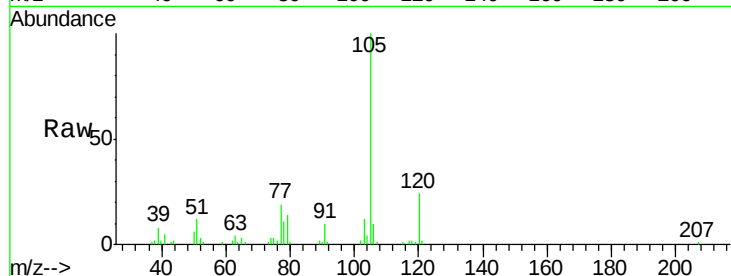
VSTDIC005

Tot Ion:105 Resp: 32251

Ion Ratio Lower Upper

105 100

120 24.4 11.9 35.9



#74

N-ethyl acetate

Concen: 6.56 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion: 43 Resp: 6391

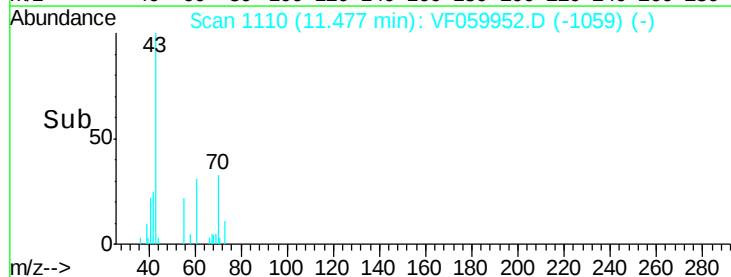
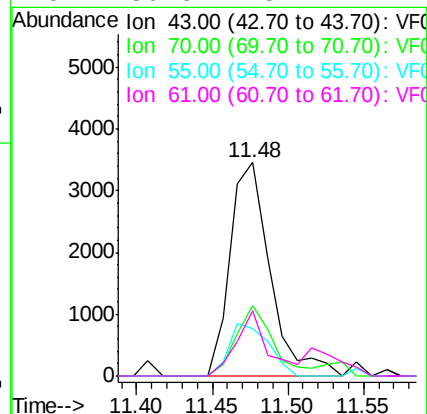
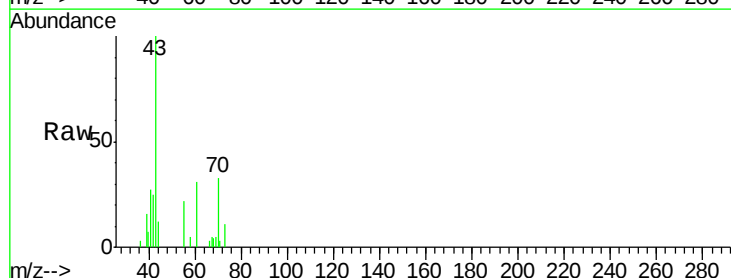
Ion Ratio Lower Upper

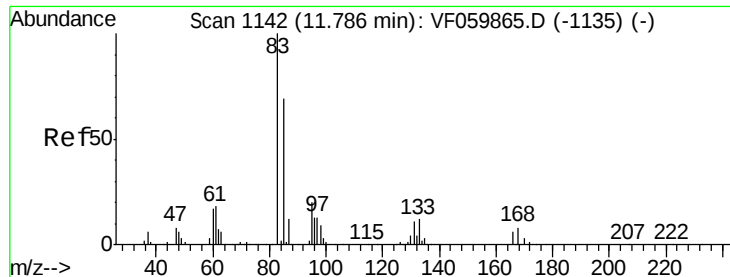
43 100

70 33.0 26.9 40.3

55 22.1 16.9 25.3

61 30.6 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.92 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

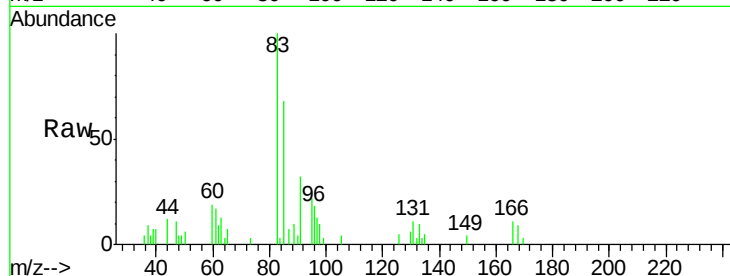
Tot Ion: 83 Resp: 6204

Ion Ratio Lower Upper

83 100

131 10.6 6.3 19.1

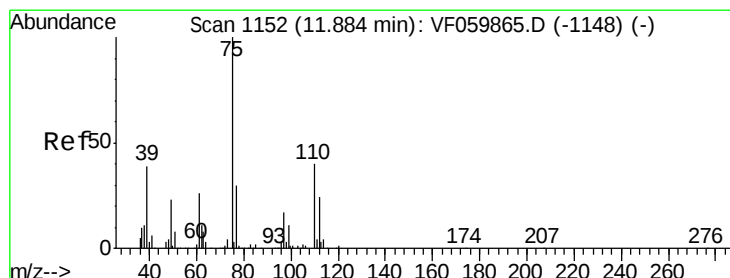
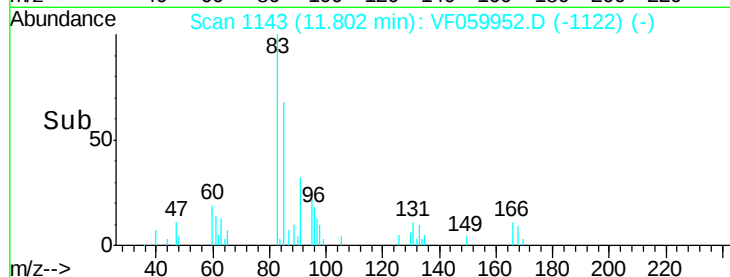
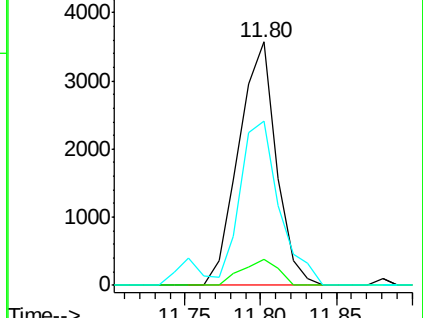
85 67.5 33.9 101.7



Abundance Ion 83.00 (82.70 to 83.70): VF059952.D (-1142) (-)

Ion 131.00 (130.70 to 131.70): VF059952.D (-1142) (-)

Ion 85.00 (84.70 to 85.70): VF059952.D (-1142) (-)



#76

1,2,3-Trichloropropane

Concen: 4.39 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059952.D

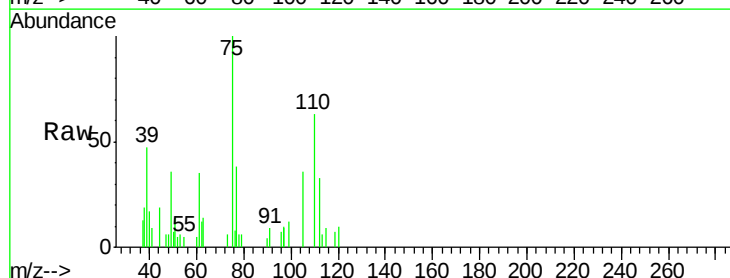
Acq: 14 Aug 2018 18:41

Tgt Ion: 75 Resp: 4778

Ion Ratio Lower Upper

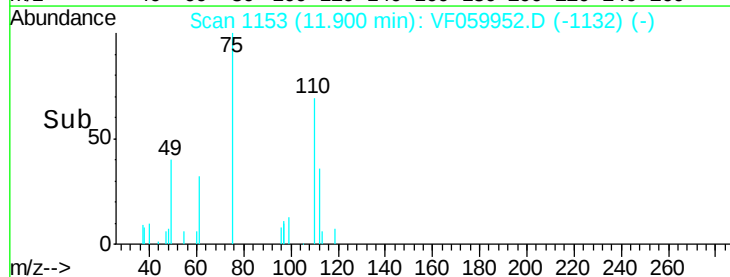
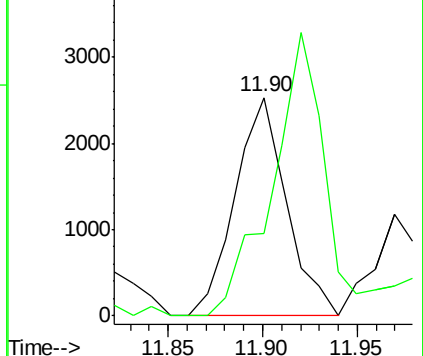
75 100

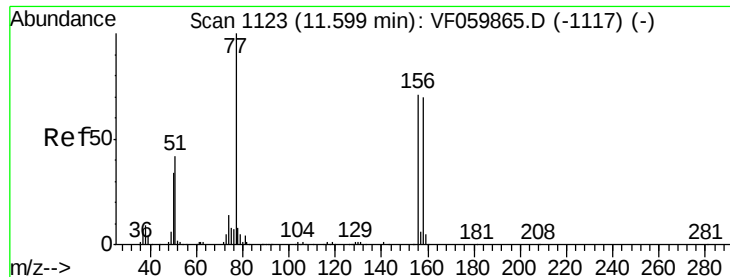
77 37.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF059952.D (-1152) (-)

Ion 77.00 (76.70 to 77.70): VF059952.D (-1152) (-)





#77

Bromobenzene

Concen: 4.82 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

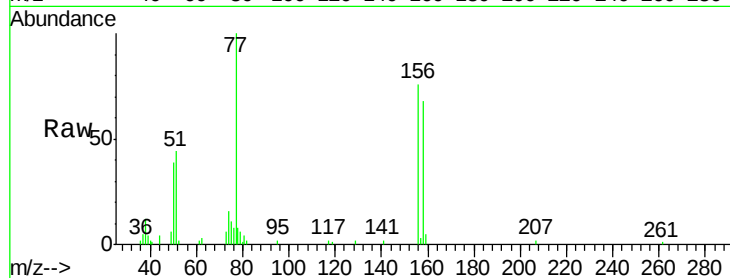
VSTDIC005

Tot Ion:156 Resp: 8887

Ion	Ratio	Lower	Upper
156	100		
77	132.0	67.8	203.2
158	89.9	51.7	155.2

77 132.0 67.8 203.2

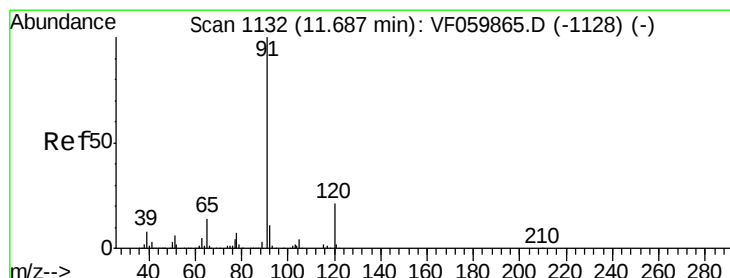
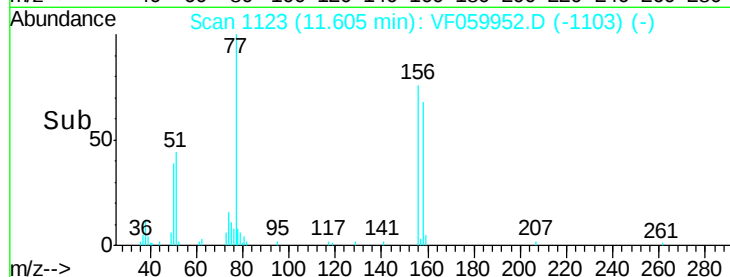
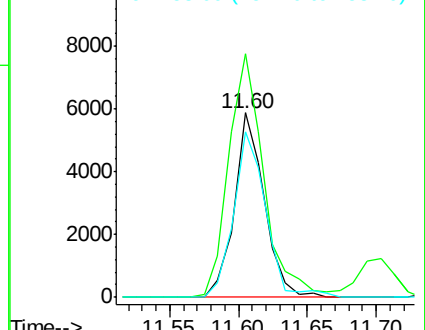
158 89.9 51.7 155.2



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 5.10 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059952.D

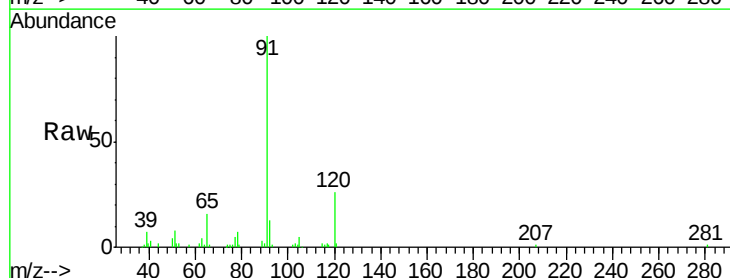
Acq: 14 Aug 2018 18:41

Tgt Ion: 91 Resp: 40795

Ion	Ratio	Lower	Upper
91	100		
120	26.0	10.4	31.1

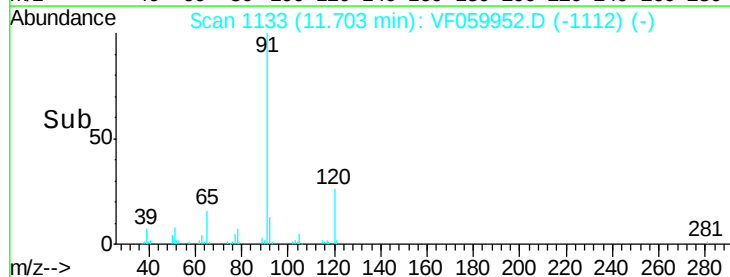
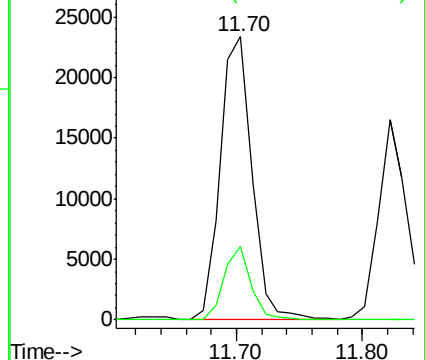
91 100

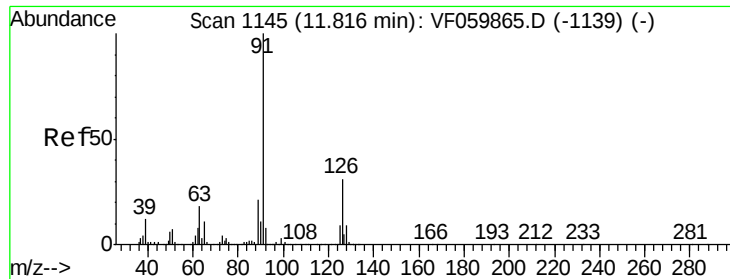
120 26.0 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 5.17 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

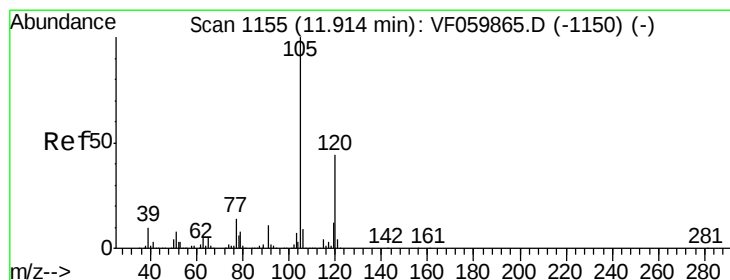
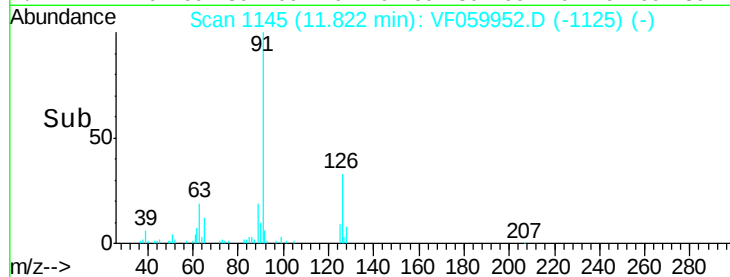
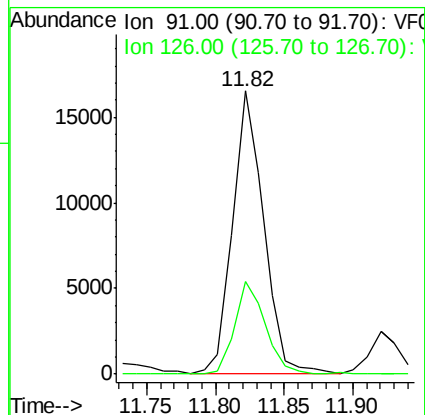
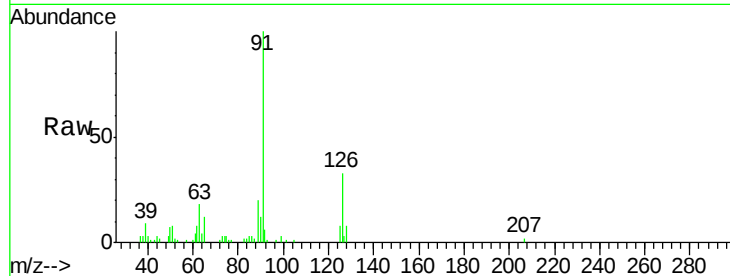
VSTDIC005

Tot Ion: 91 Resp: 26029

Ion Ratio Lower Upper

91 100

126 32.5 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 5.07 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059952.D

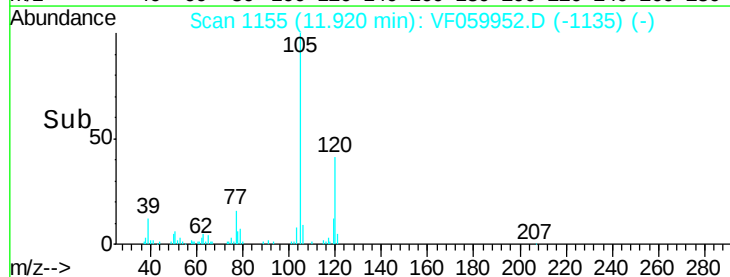
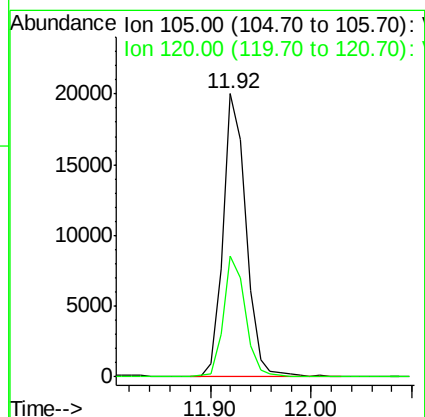
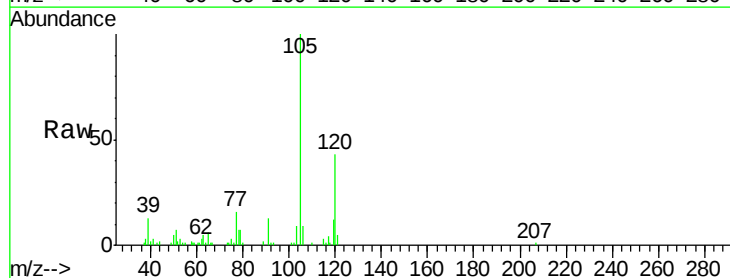
Acq: 14 Aug 2018 18:41

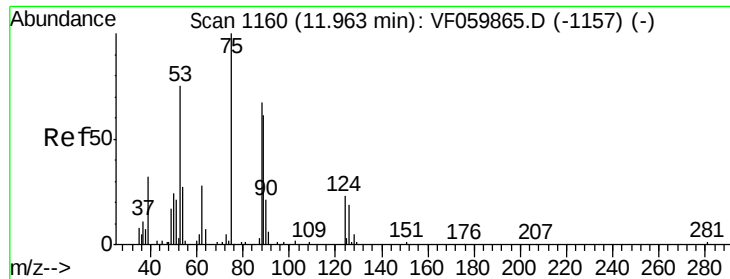
Tgt Ion: 105 Resp: 31832

Ion Ratio Lower Upper

105 100

120 42.7 21.1 63.3

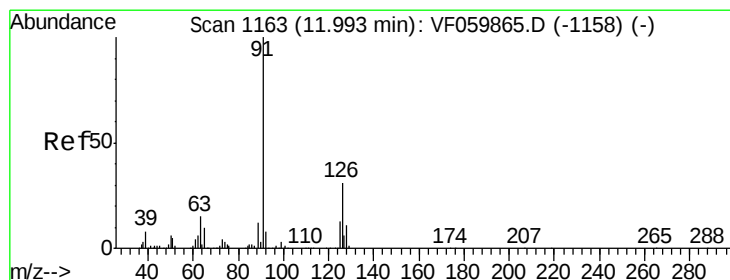
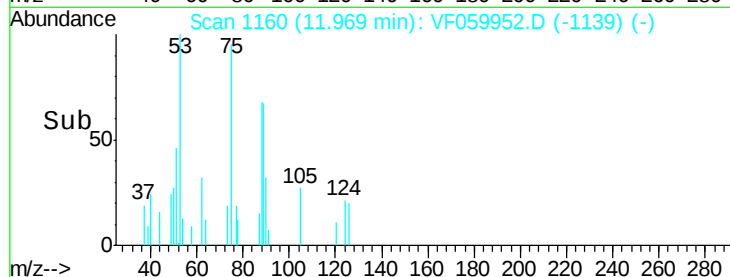
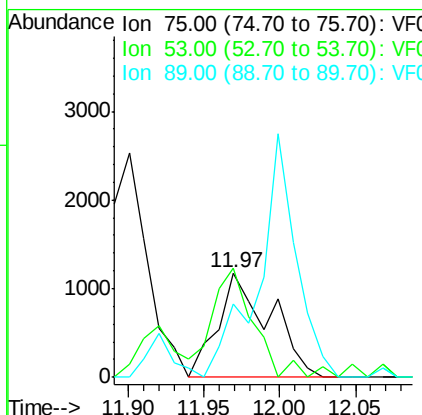
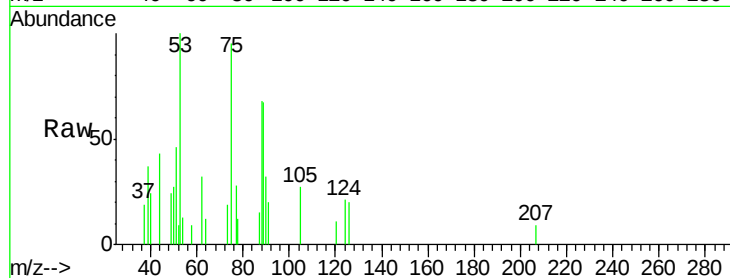




#81
trans-1,4-Dichloro-2-butene
Concen: 6.58 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

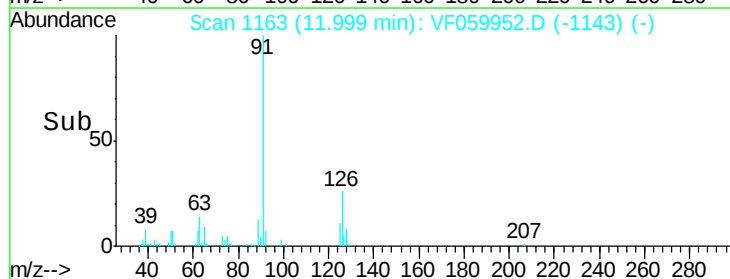
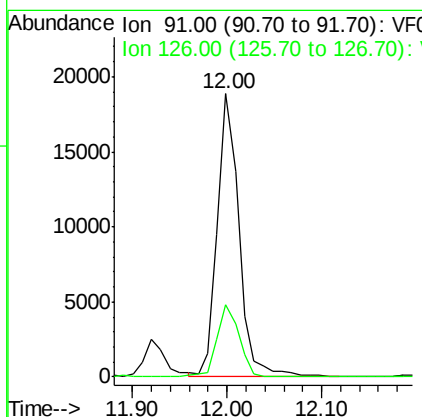
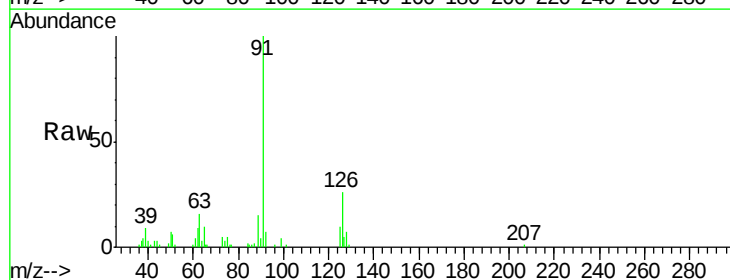
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

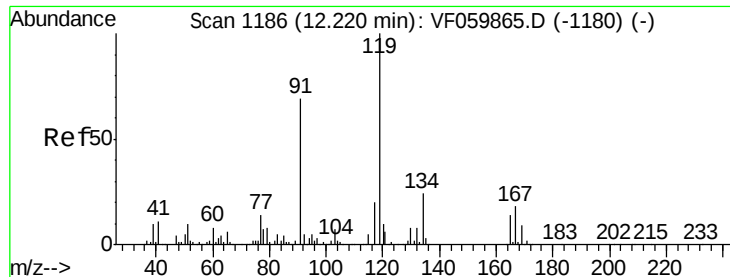
Tot Ion: 75 Resp: 2845
Ion Ratio Lower Upper
75 100
53 104.8 97.1 145.7
89 70.2 43.6 65.4#



#82
4-Chlorotoluene
Concen: 5.46 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 91 Resp: 30195
Ion Ratio Lower Upper
91 100
126 25.5 15.3 45.8

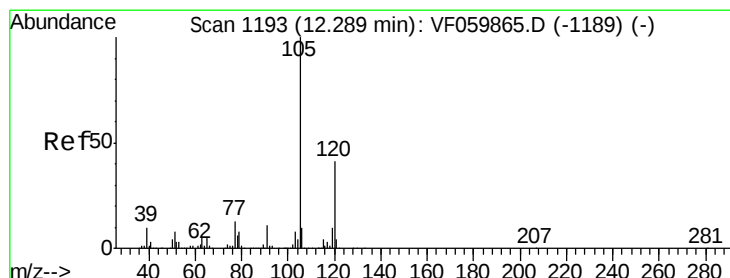
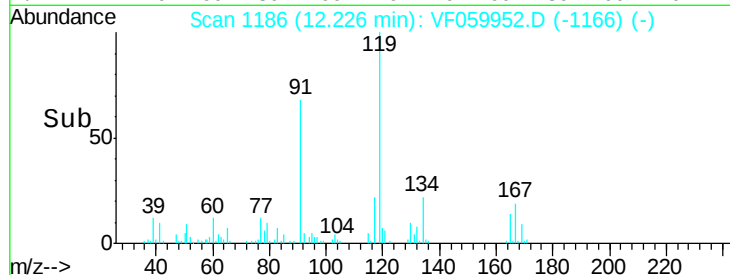
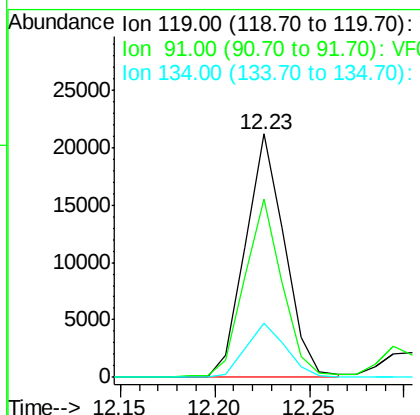
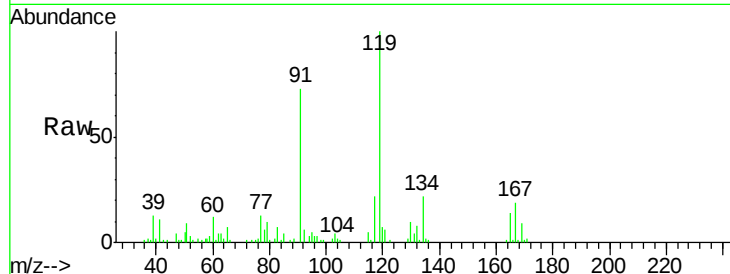




#83
 tert-Butylbenzene
 Concen: 4.96 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

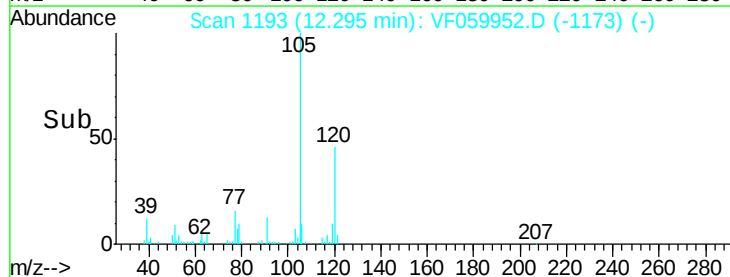
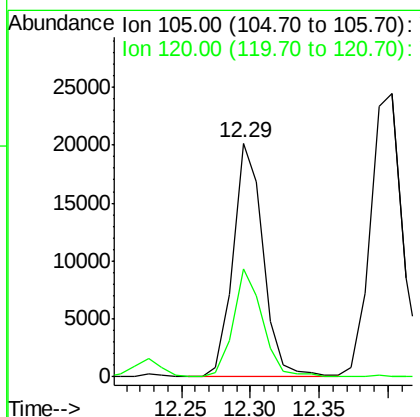
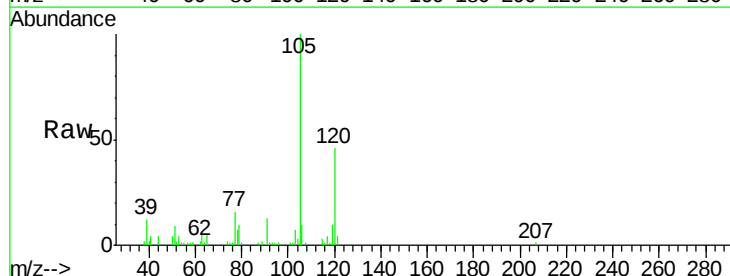
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

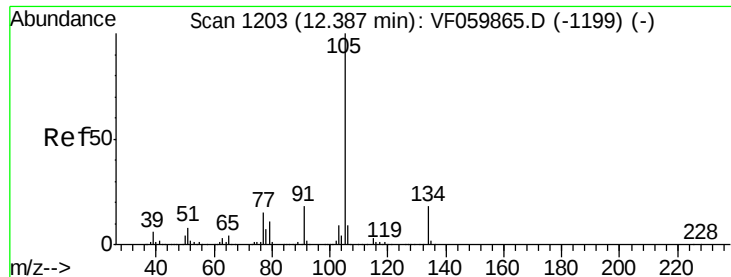
Tot Ion:119 Resp: 30507
 Ion Ratio Lower Upper
 119 100
 91 73.3 32.6 98.0
 134 22.3 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion:105 Resp: 30695
 Ion Ratio Lower Upper
 105 100
 120 46.0 20.6 61.9

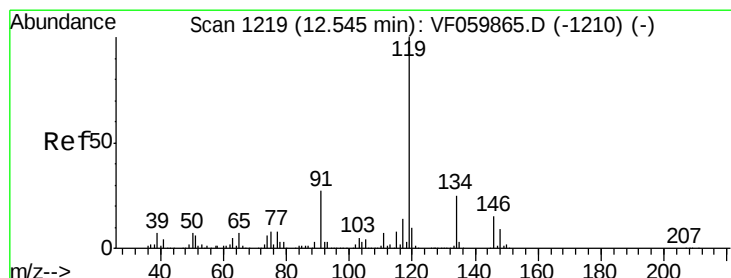
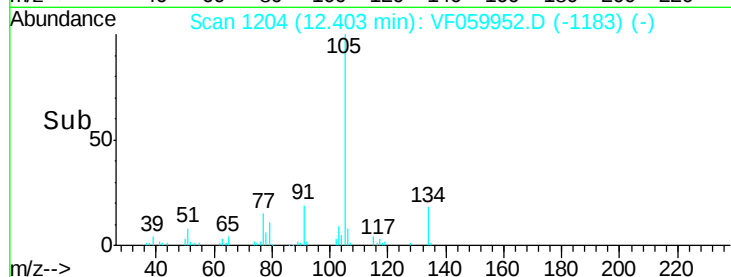
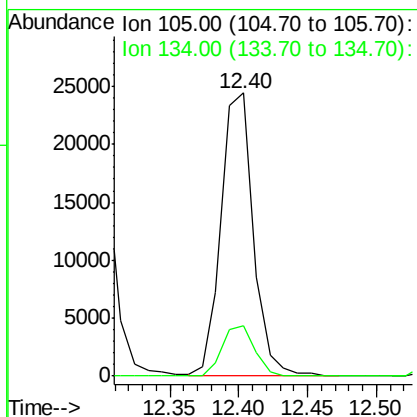
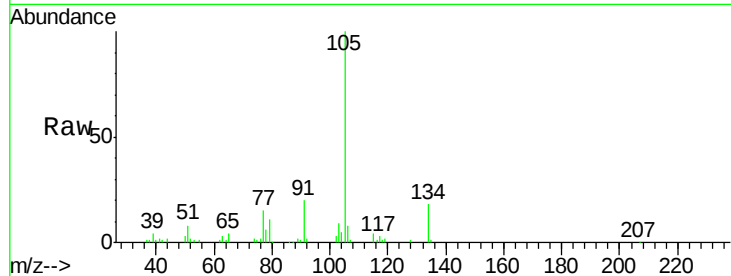




#85
 sec-Butylbenzene
 Concen: 4.90 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

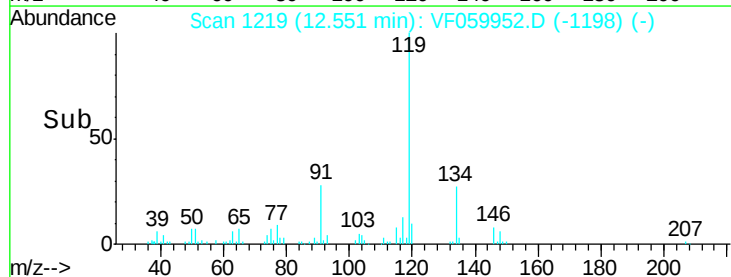
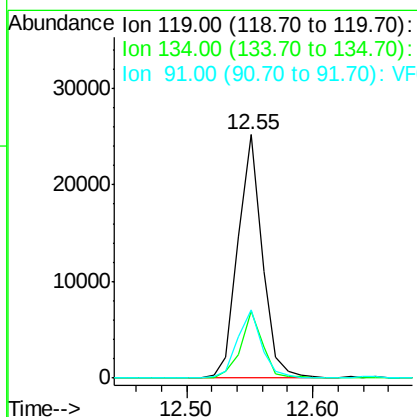
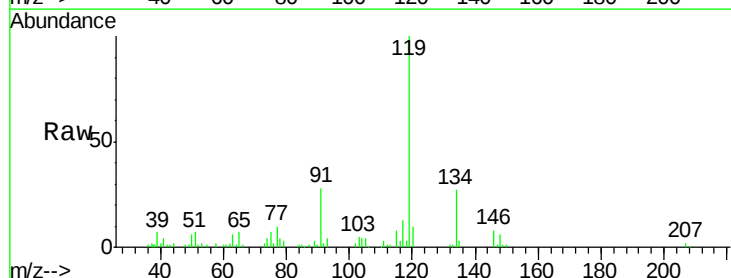
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

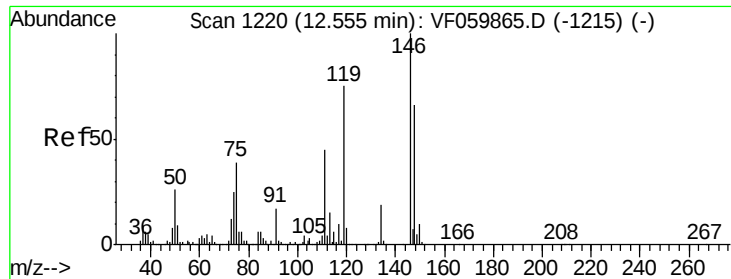
Tot Ion:105 Resp: 39961
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 4.90 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion:119 Resp: 33464
 Ion Ratio Lower Upper
 119 100
 134 27.3 11.4 34.2
 91 28.1 14.8 44.4

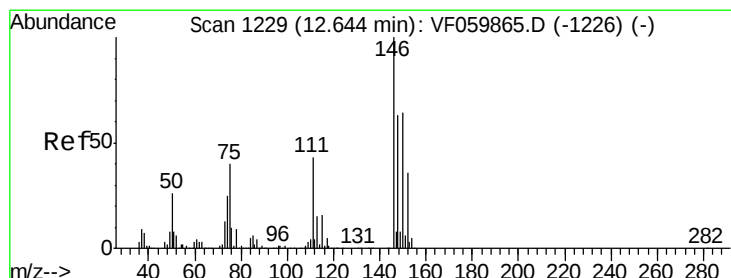
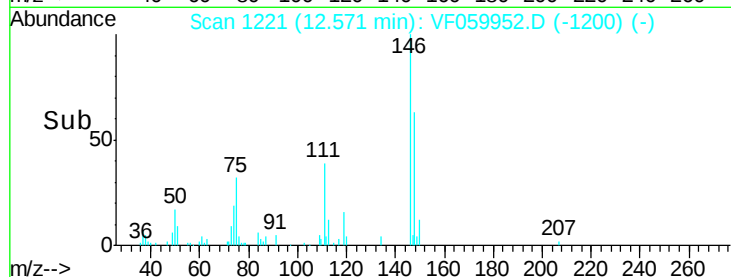
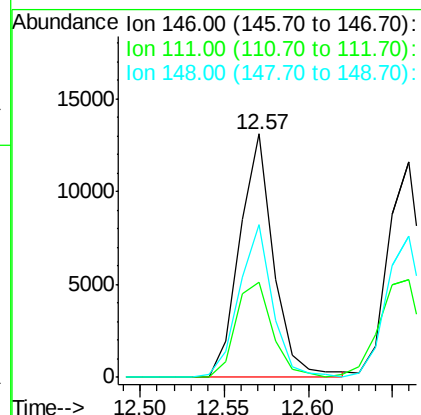
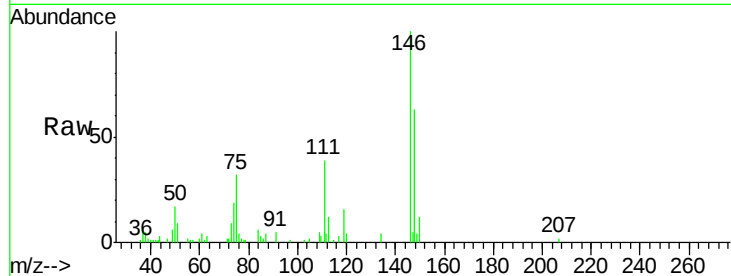




#87
 1,3-Dichlorobenzene
 Concen: 5.26 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

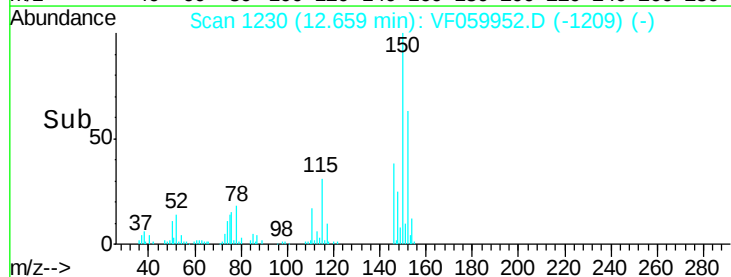
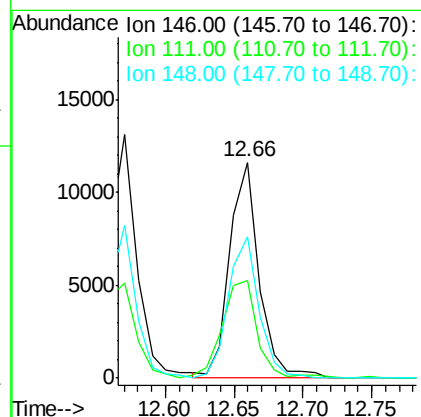
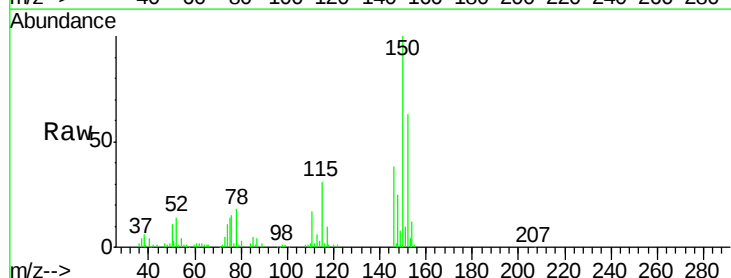
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

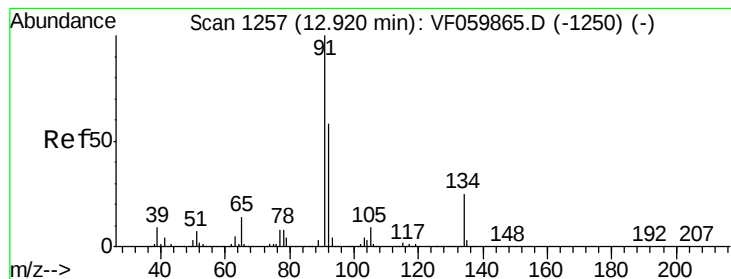
Tot Ion:146 Resp: 18369
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.3 63.9
 148 62.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion:146 Resp: 17286
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.1
 148 65.5 31.7 95.1





#89

n-Butylbenzene

Concen: 4.94 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

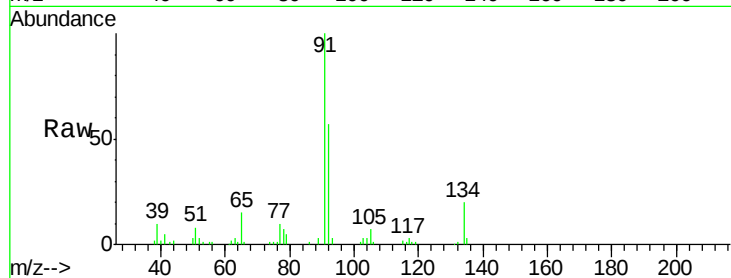
Tot Ion: 91 Resp: 32551

Ion Ratio Lower Upper

91 100

92 57.1 29.2 87.6

134 19.9 12.8 38.3

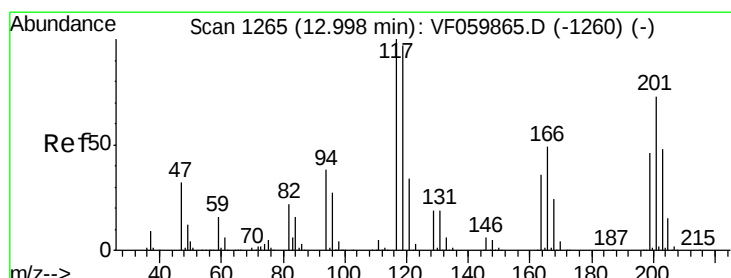
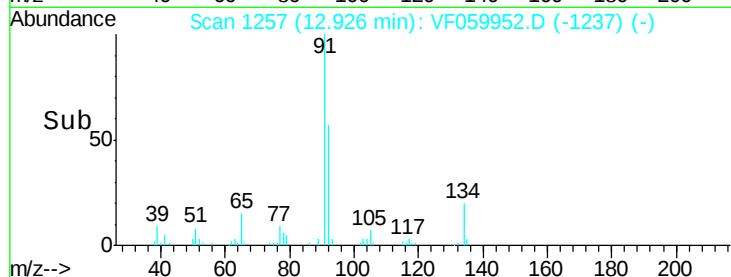


Abundance Ion 91.00 (90.70 to 91.70): VF059865.D (-1250) (-)

Ion 92.00 (91.70 to 92.70): VF059865.D (-1250) (-)

Ion 134.00 (133.70 to 134.70): VF059865.D (-1250) (-)

Time-->



#90

Hexachloroethane

Concen: 4.89 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059952.D

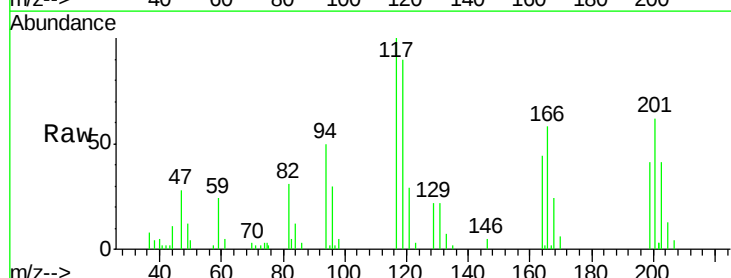
Acq: 14 Aug 2018 18:41

Tgt Ion: 117 Resp: 9109

Ion Ratio Lower Upper

117 100

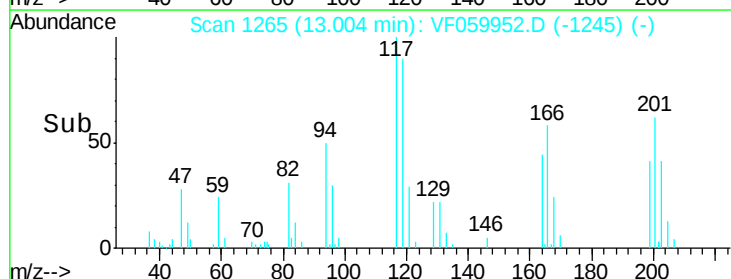
201 65.1 41.8 125.3

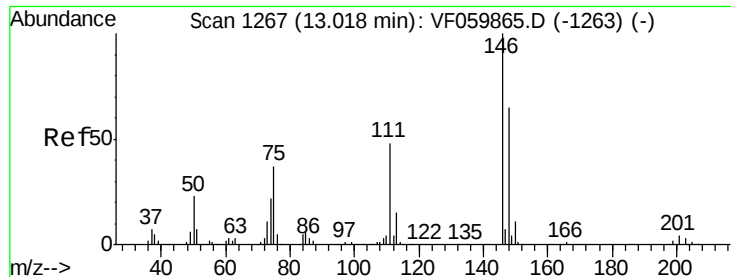


Abundance Ion 117.00 (116.70 to 117.70): VF059865.D (-1260) (-)

Ion 201.00 (200.70 to 201.70): VF059865.D (-1260) (-)

Time-->

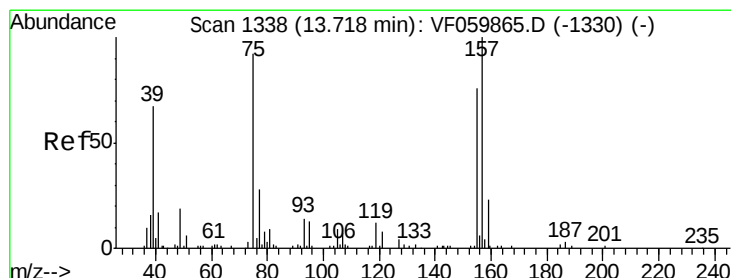
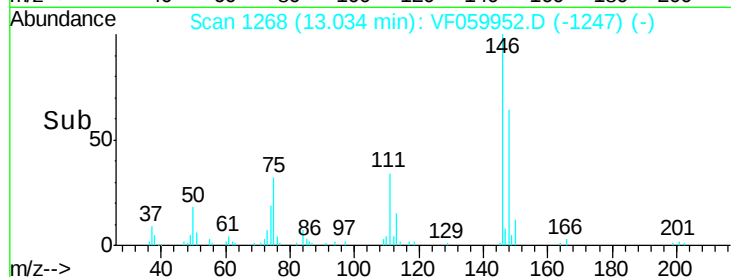
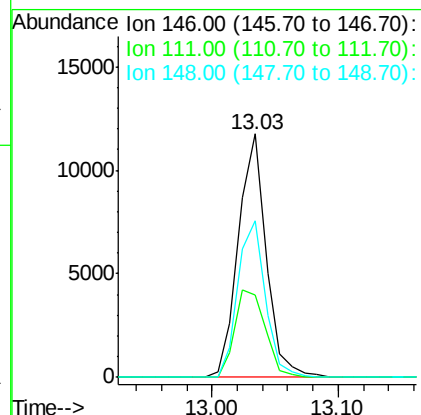
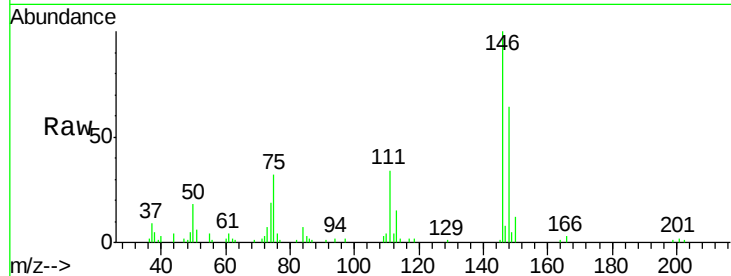




#91
 1,2-Dichlorobenzene
 Concen: 5.37 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

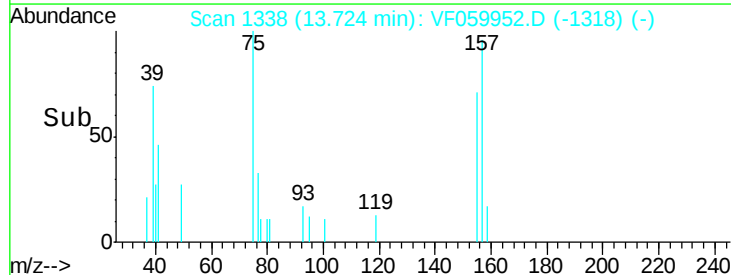
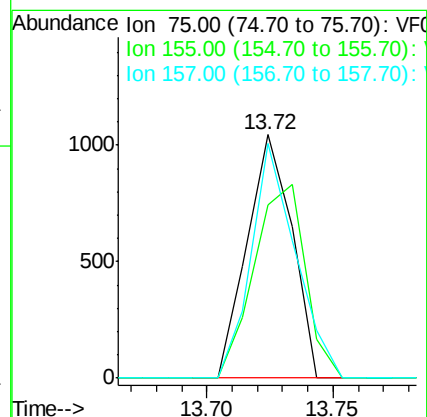
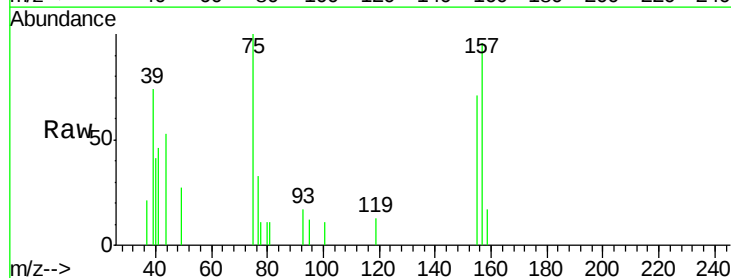
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

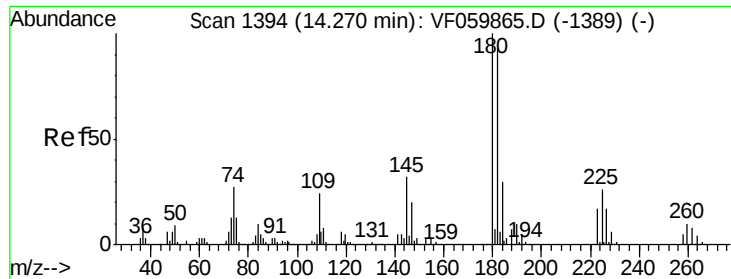
Tot Ion:146 Resp: 17954
 Ion Ratio Lower Upper
 146 100
 111 34.0 22.0 66.0
 148 64.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.05 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 75 Resp: 1287
 Ion Ratio Lower Upper
 75 100
 155 71.1 44.6 134.0
 157 96.2 54.8 164.3





#93

1,2,4-Trichlorobenzene

Concen: 5.35 ug/l

RT: 14.28 min Scan# 1394

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

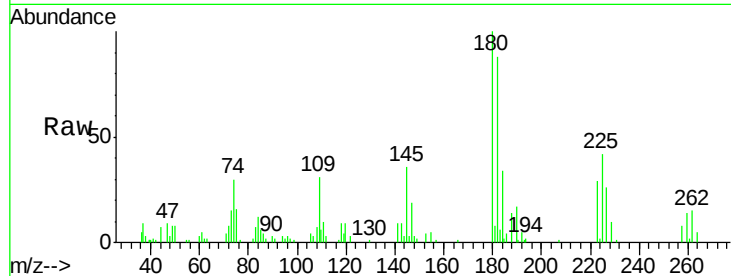
Tot Ion:180 Resp: 13771

Ion Ratio Lower Upper

180 100

182 87.8 50.2 150.7

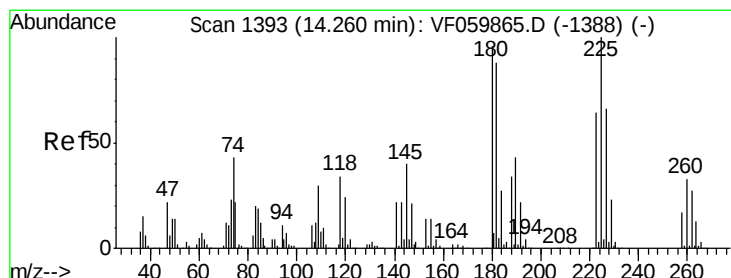
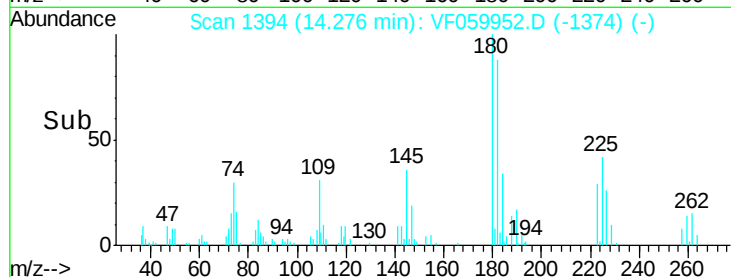
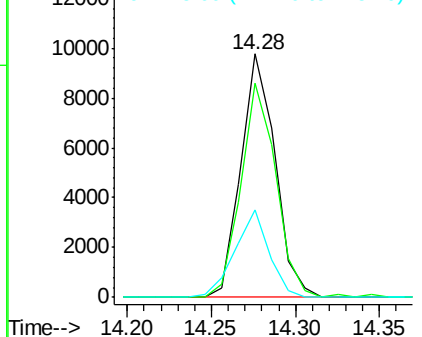
145 35.8 14.9 44.9



Abundance Ion 180.00 (179.70 to 180.70):

Ion 182.00 (181.70 to 182.70):

Ion 145.00 (144.70 to 145.70):



#94

Hexachlorobutadiene

Concen: 5.48 ug/l

RT: 14.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

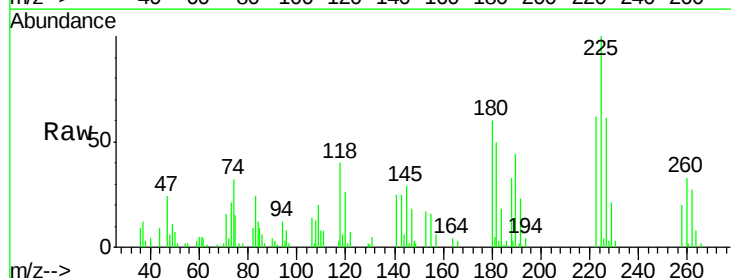
Tgt Ion:225 Resp: 9991

Ion Ratio Lower Upper

225 100

223 62.1 29.6 88.8

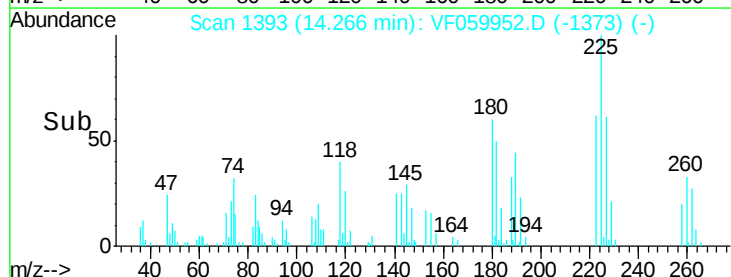
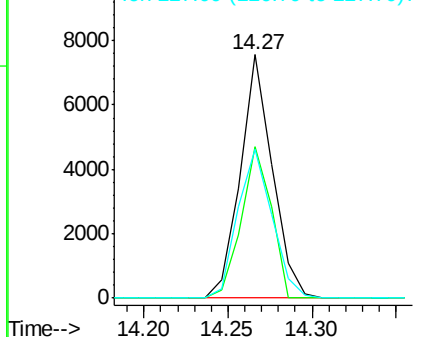
227 61.1 32.5 97.5

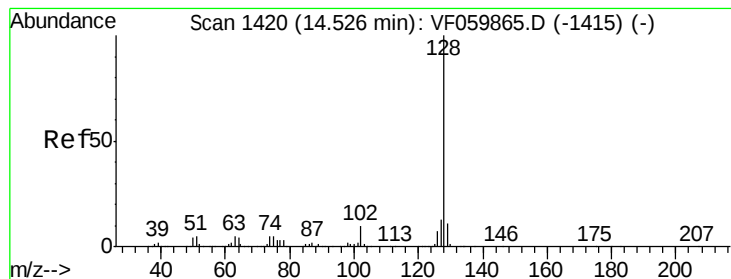


Abundance Ion 225.00 (224.70 to 225.70):

Ion 223.00 (222.70 to 223.70):

Ion 227.00 (226.70 to 227.70):





#95

Naphthalene

Concen: 4.68 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

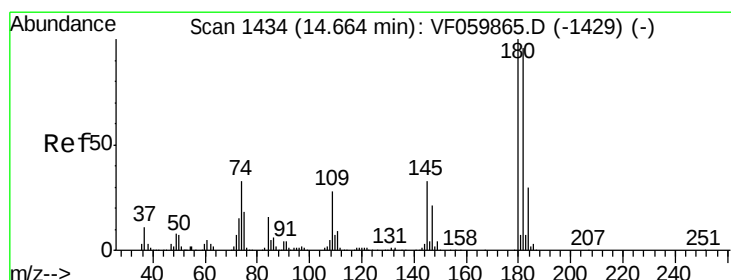
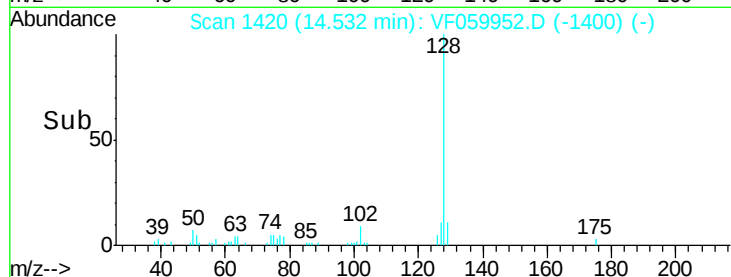
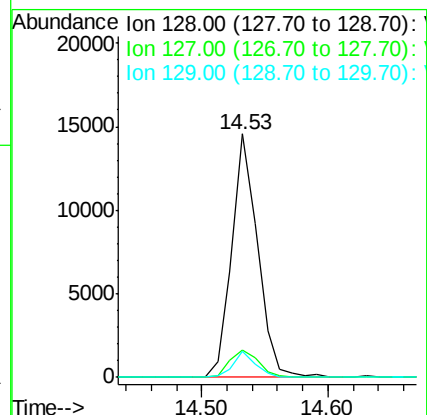
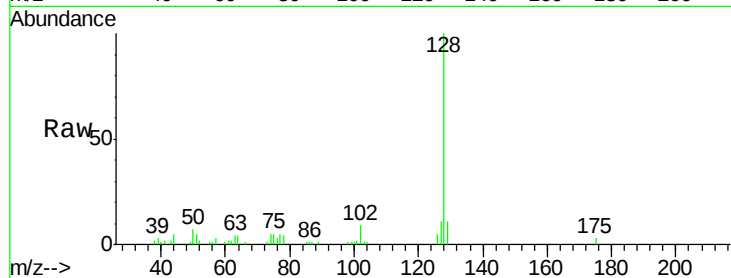
Tot Ion:128 Resp: 20597

Ion Ratio Lower Upper

128 100

127 11.1 9.9 14.9

129 10.6 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 4.96 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:180 Resp: 12488

Ion Ratio Lower Upper

180 100

182 90.6 47.5 142.6

145 25.1 17.6 52.8

