

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059954.D
 Acq On : 14 Aug 2018 19:37
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 15 08:55:09 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	5.05	168	120425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	163789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	164170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	108944	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	42242	19.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	38.84%		
35) Dibromofluoromethane	4.30	113	33466	20.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	41.38%		
50) Toluene-d8	7.73	98	74831	21.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	43.08%		
62) 4-Bromofluorobenzene	11.52	95	42865	21.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	43.86%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	37063	18.46	ug/l	96
3) Chloromethane	1.09	50	16803	18.06	ug/l	97
4) Vinyl Chloride	1.16	62	17689	18.32	ug/l	90
5) Bromomethane	1.35	94	17021	18.81	ug/l	92
6) Chloroethane	1.44	64	11996	19.83	ug/l #	81
7) Trichlorofluoromethane	1.54	101	49998	18.74	ug/l	92
8) Diethyl Ether	1.71	74	6925	16.62	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	27634	19.03	ug/l	95
10) Methyl Iodide	1.97	142	41767	18.79	ug/l	95
11) Tert butyl alcohol	2.70	59	9433	106.24	ug/l #	88
12) 1,1-Dichloroethene	1.86	96	19796	18.60	ug/l	91
13) Acrolein	2.11	56	3492	66.18	ug/l	91
14) Allyl chloride	2.20	41	27389	16.04	ug/l #	94
15) Acrylonitrile	3.08	53	12987	83.74	ug/l	92
16) Acetone	2.34	43	45567	113.17	ug/l	100
17) Carbon Disulfide	1.89	76	52070	18.61	ug/l	98
18) Methyl Acetate	2.46	43	11911	17.98	ug/l #	85
19) Methyl tert-butyl Ether	2.55	73	56629	18.79	ug/l	99
20) Methylene Chloride	2.33	84	11375	11.86	ug/l	94
21) trans-1,2-Dichloroethene	2.42	96	19774	18.80	ug/l	86
22) Diisopropyl ether	2.93	45	63199	18.54	ug/l #	97
23) Vinyl Acetate	3.35	43	164706	99.26	ug/l	99
24) 1,1-Dichloroethane	3.01	63	47527	19.20	ug/l	96
25) 2-Butanone	4.52	43	46332	107.22	ug/l	96
26) 2,2-Dichloropropane	3.78	77	30462	20.72	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	21230	18.13	ug/l	97
28) Bromochloromethane	3.90	49	17676	19.92	ug/l #	96
29) Tetrahydrofuran	4.27	42	16308	102.53	ug/l	96
30) Chloroform	4.05	83	64864	19.35	ug/l	94
31) Cyclohexane	3.89	56	23303	19.07	ug/l #	87
32) 1,1,1-Trichloroethane	4.30	97	54383	20.25	ug/l #	90
36) 1,1-Dichloropropene	4.47	75	37876	20.37	ug/l	95
37) Ethyl Acetate	4.30	43	17230	21.60	ug/l #	75
38) Carbon Tetrachloride	4.19	117	65330	23.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	28291	20.40	ug/l	96
40) Benzene	4.83	78	62800	17.86	ug/l	92
41) Methacrylonitrile	4.95	41	8527	20.42	ug/l #	73
42) 1,2-Dichloroethane	5.13	62	52966	20.43	ug/l	99
43) Isopropyl Acetate	7.13	43	17495	20.82	ug/l #	83
44) Trichloroethene	5.69	130	25309	20.46	ug/l	98
45) 1,2-Dichloropropane	6.41	63	17429	20.40	ug/l #	78
46) Dibromomethane	6.27	93	15780	18.22	ug/l	90
47) Bromodichloromethane	6.56	83	49545	20.88	ug/l	98
48) Methyl methacrylate	6.89	41	12716	19.61	ug/l	91
49) 1,4-Dioxane	6.88	88	1953	427.67	ug/l #	64
51) 4-Methyl-2-Pentanone	8.43	43	87930	103.05	ug/l	95
52) Toluene	7.79	92	49371	20.91	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	41417	22.54	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	37997	20.24	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	17022	20.04	ug/l #	88
56) Ethyl methacrylate	8.77	69	16501	19.97	ug/l	94
57) 1,3-Dichloropropane	9.02	76	30966	21.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	12239	108.93	ug/l	100
59) 2-Hexanone	9.65	43	63718	105.08	ug/l	90
60) Dibromochloromethane	8.88	129	32291	20.17	ug/l	91
61) 1,2-Dibromoethane	9.15	107	20270	19.59	ug/l	96
64) Tetrachloroethene	8.33	164	26234	19.13	ug/l	96
65) Chlorobenzene	9.95	112	66947	20.36	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	34839	21.45	ug/l	96
67) Ethyl Benzene	10.05	91	120023	21.09	ug/l	96
68) m/p-Xylenes	10.29	106	81027	41.16	ug/l	96
69) o-Xylene	10.84	106	43599	21.11	ug/l	95
70) Styrene	10.92	104	68876	22.09	ug/l	97
71) Bromoform	10.90	173	19770	19.73	ug/l	94
73) Isopropylbenzene	11.24	105	150224	22.28	ug/l	97
74) N-amyl acetate	11.48	43	31478	20.62	ug/l	97
75) 1,1,1,2,2-Tetrachloroethane	11.80	83	23461	18.67	ug/l	94
76) 1,2,3-Trichloropropane	11.90	75	20414	18.82	ug/l	96
77) Bromobenzene	11.61	156	38077	20.71	ug/l	95
78) n-propylbenzene	11.70	91	173462	21.75	ug/l	98
79) 2-Chlorotoluene	11.83	91	104116	20.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	135956	21.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	11682	27.10	ug/l	89
82) 4-Chlorotoluene	12.00	91	110975	20.11	ug/l	100
83) tert-Butylbenzene	12.23	119	139144	22.70	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	137201	21.15	ug/l	98
85) sec-Butylbenzene	12.40	105	169777	20.89	ug/l	97
86) p-Isopropyltoluene	12.55	119	152525	22.40	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	73281	21.05	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	67339	19.65	ug/l	97
89) n-Butylbenzene	12.93	91	147330	22.43	ug/l	96
90) Hexachloroethane	13.01	117	35375	19.06	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	69552	20.84	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6609	20.84	ug/l	94

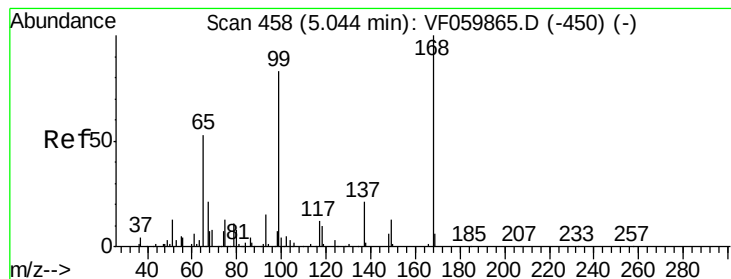
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	55049	21.44	ug/l	96
94) Hexachlorobutadiene	14.27	225	39538	21.75	ug/l	95
95) Naphthalene	14.54	128	87722	19.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	51383	20.46	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

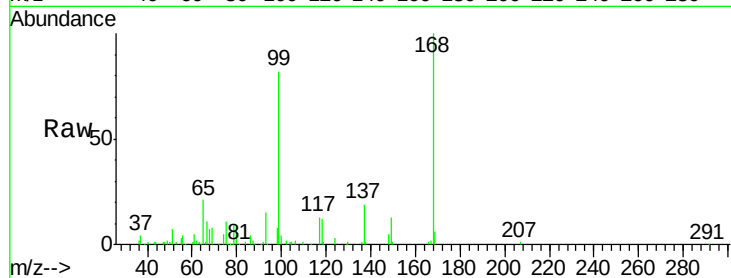
VSTDIC020

Tot Ion:168 Resp: 120425

Ion Ratio Lower Upper

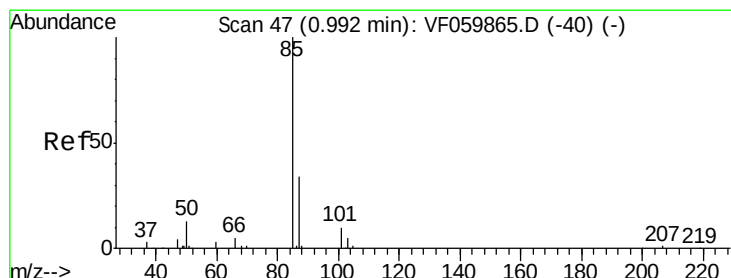
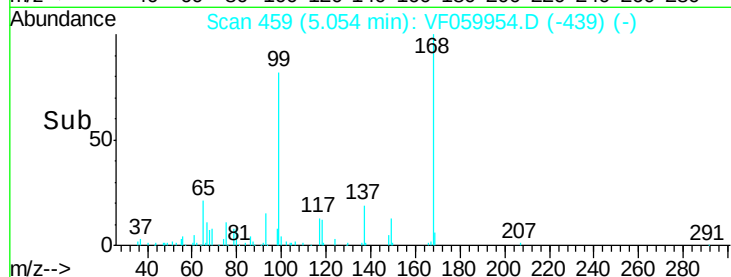
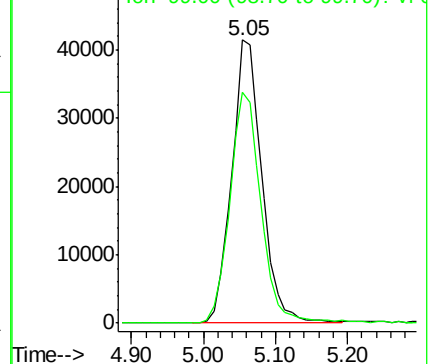
168 100

99 81.8 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: 18.46 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059954.D

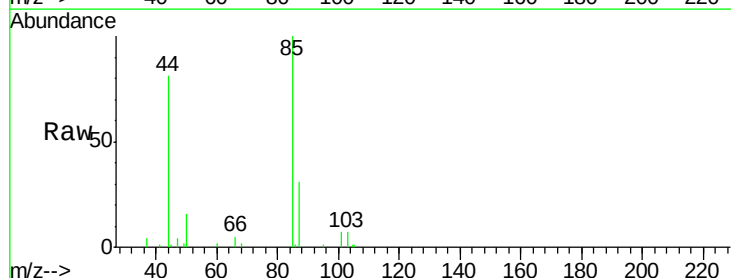
Acq: 14 Aug 2018 19:37

Tgt Ion: 85 Resp: 37063

Ion Ratio Lower Upper

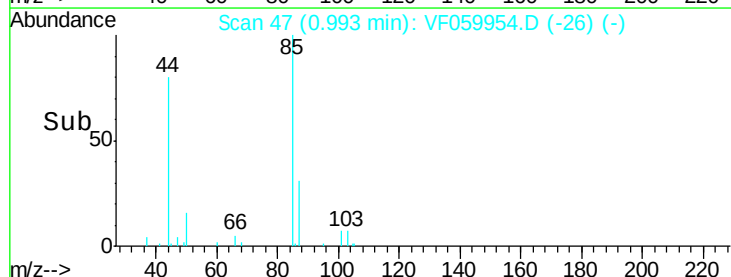
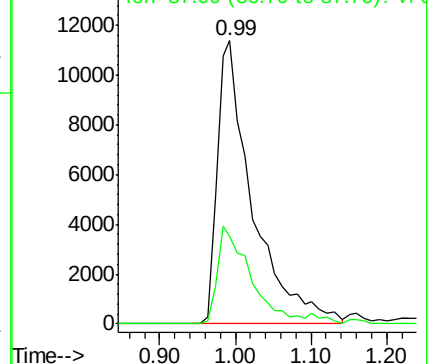
85 100

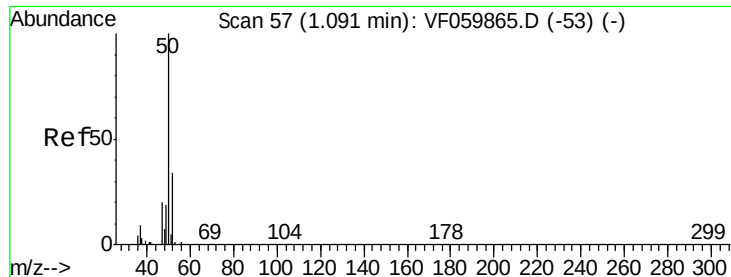
87 31.1 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 18.06 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

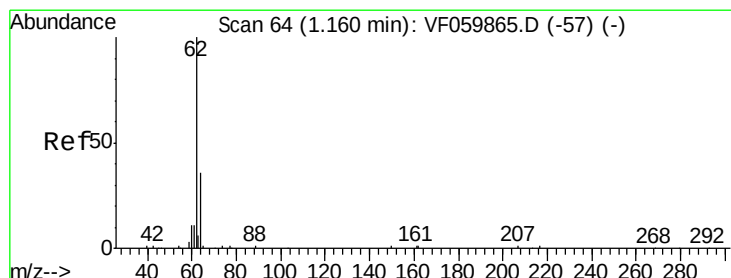
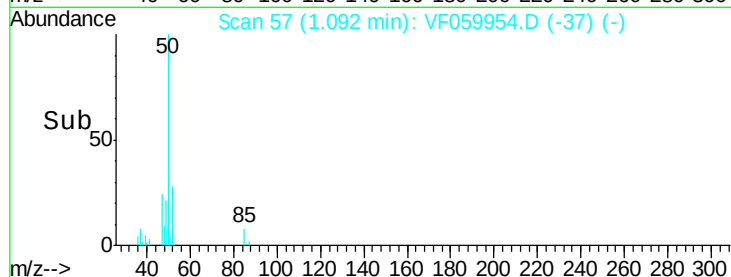
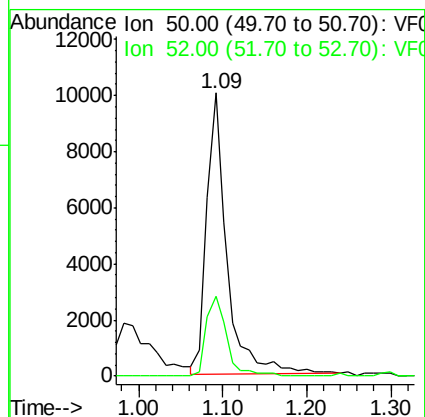
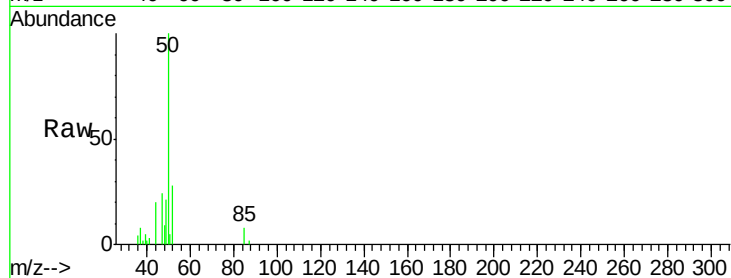
VSTDIC020

Tot Ion: 50 Resp: 16803

Ion Ratio Lower Upper

50 100

52 28.4 24.2 36.2



#4

Vinyl Chloride

Concen: 18.32 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059954.D

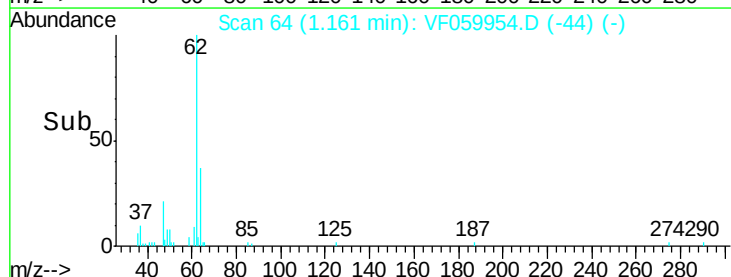
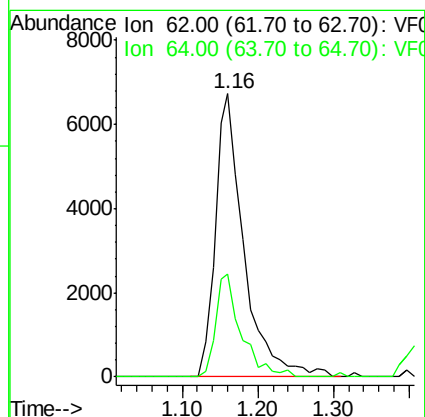
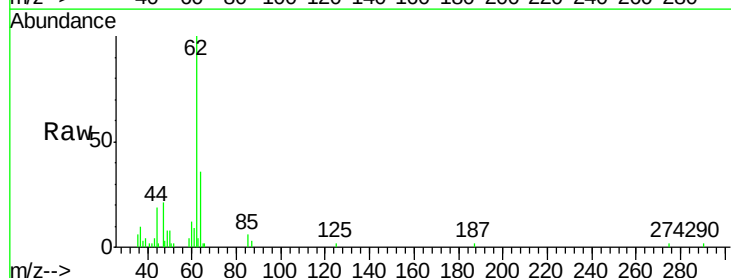
Acq: 14 Aug 2018 19:37

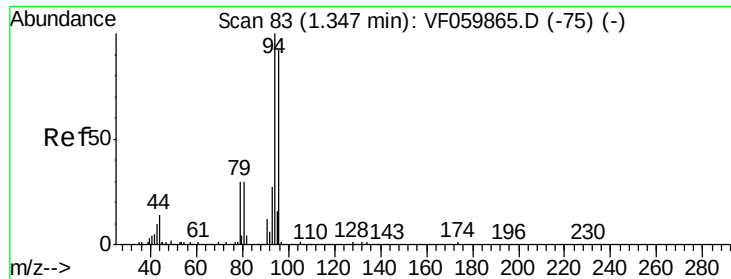
Tgt Ion: 62 Resp: 17689

Ion Ratio Lower Upper

62 100

64 36.4 24.7 37.1





#5

Bromomethane

Concen: 18.81 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

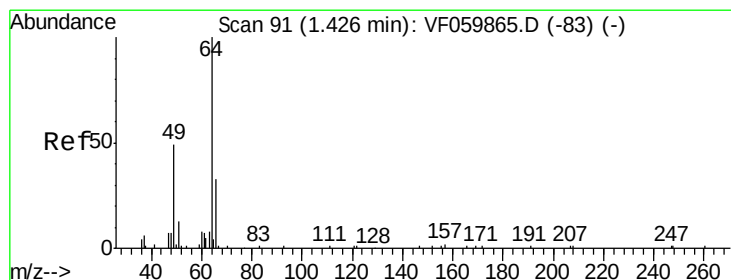
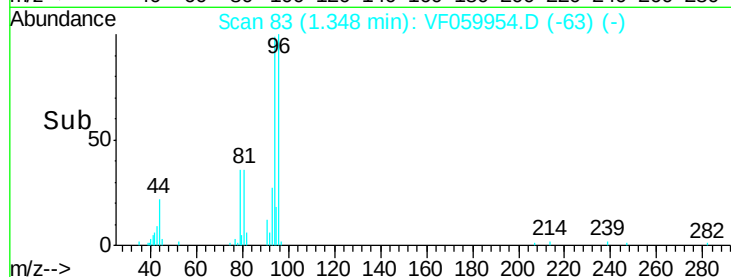
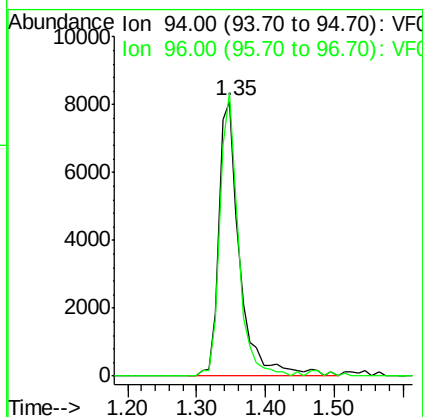
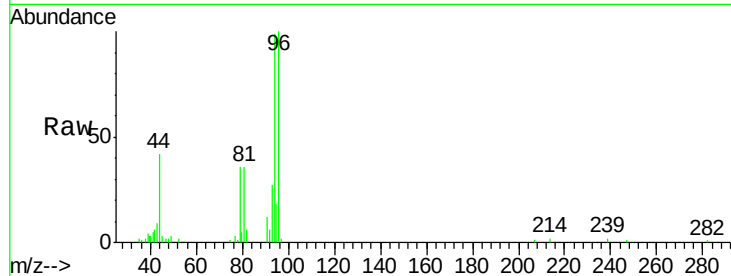
VSTDIC020

Tot Ion: 94 Resp: 17021

Ion Ratio Lower Upper

94 100

96 103.2 76.3 114.5



#6

Chloroethane

Concen: 19.83 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059954.D

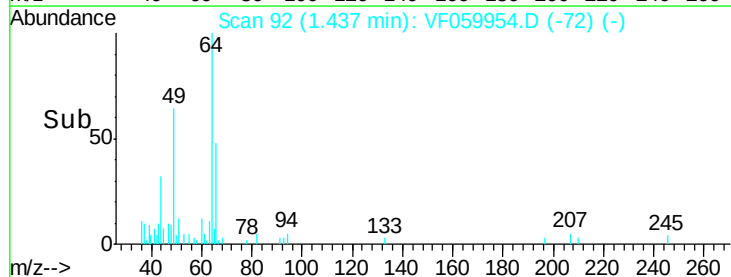
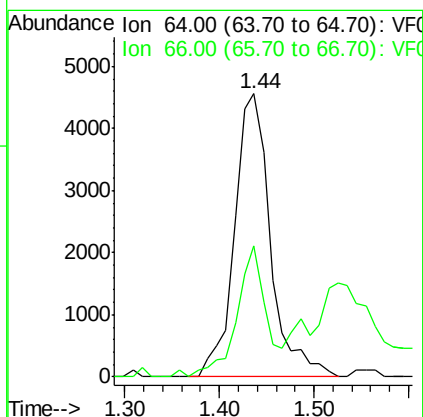
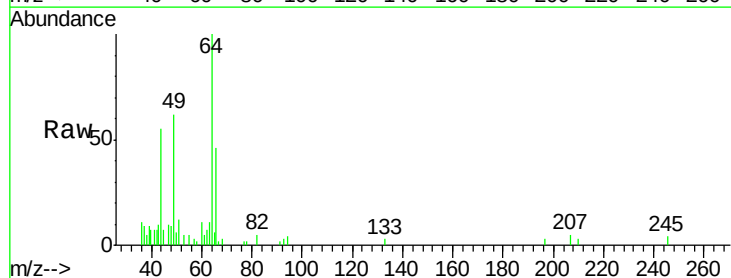
Acq: 14 Aug 2018 19:37

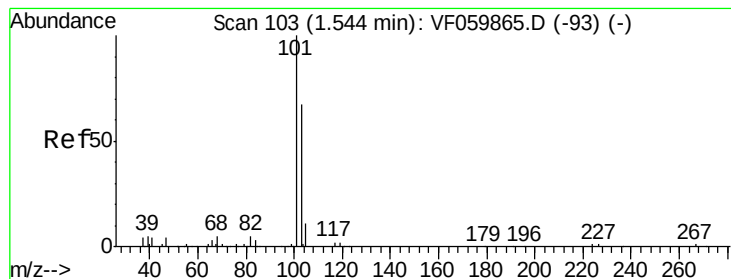
Tgt Ion: 64 Resp: 11996

Ion Ratio Lower Upper

64 100

66 46.1 28.2 42.2#



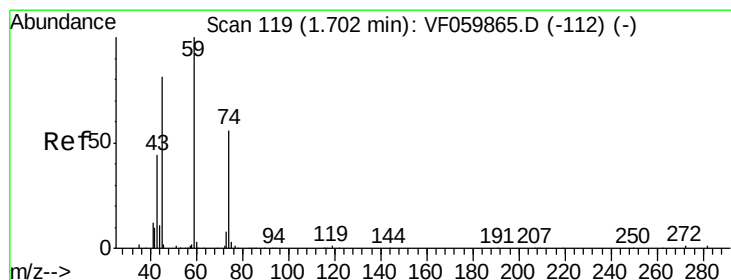
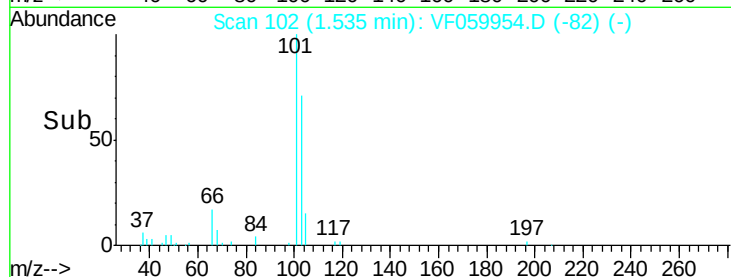
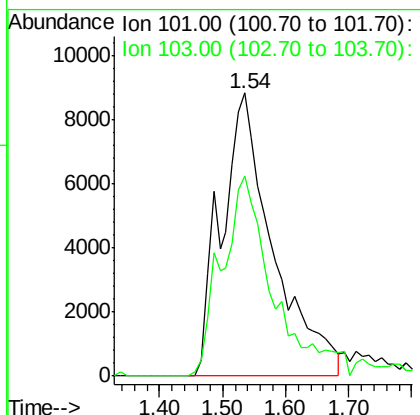
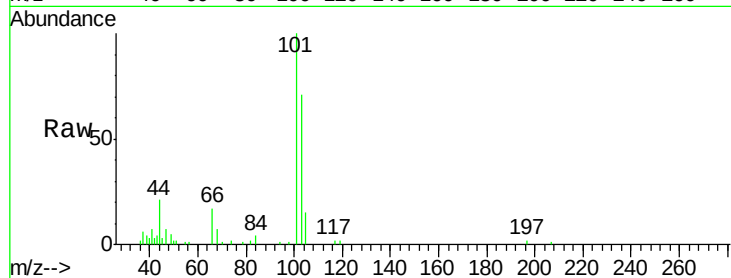


#7

Trichlorofluoromethane
 Concen: 18.74 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

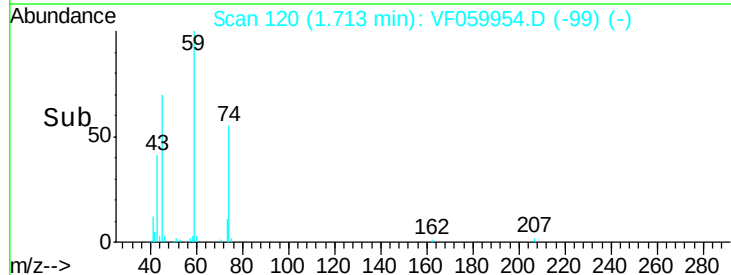
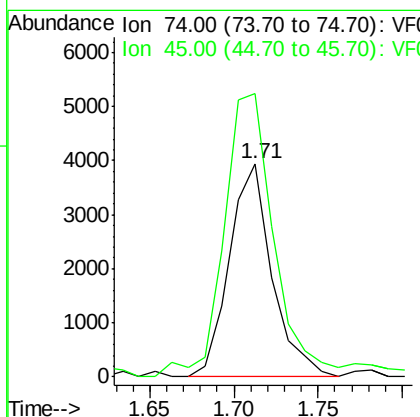
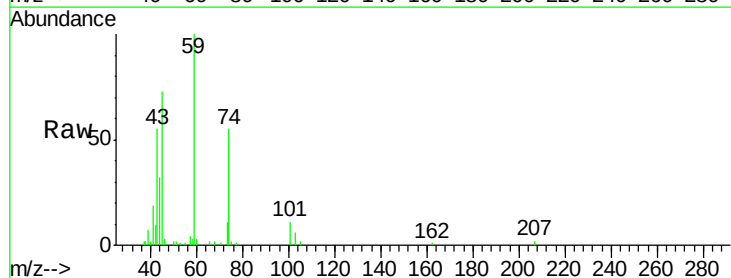
Tot Ion:101 Resp: 49998
 Ion Ratio Lower Upper
 101 100
 103 70.5 51.6 77.4

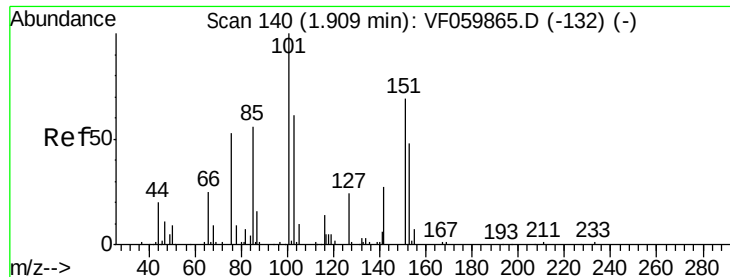


#8

Diethyl Ether
 Concen: 16.62 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion: 74 Resp: 6925
 Ion Ratio Lower Upper
 74 100
 45 132.9 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.03 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

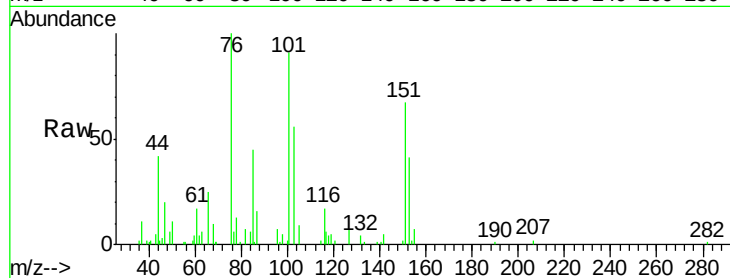
Tot Ion:101 Resp: 27634

Ion Ratio Lower Upper

101 100

85 49.7 42.1 63.1

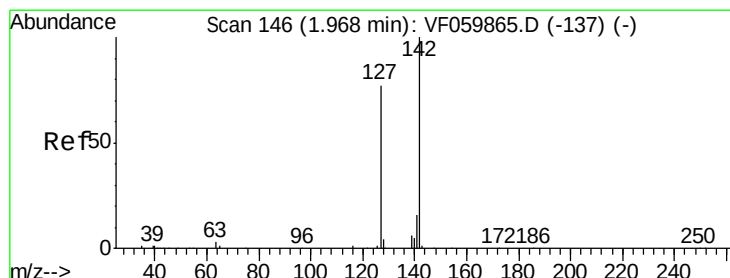
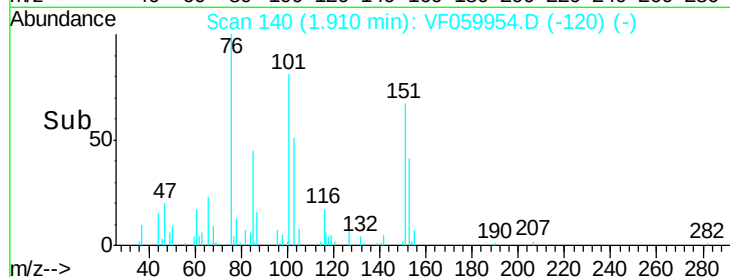
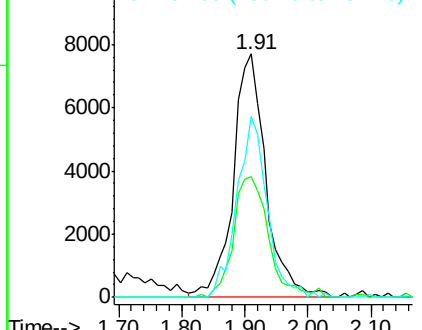
151 74.1 55.4 83.0



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: 18.79 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

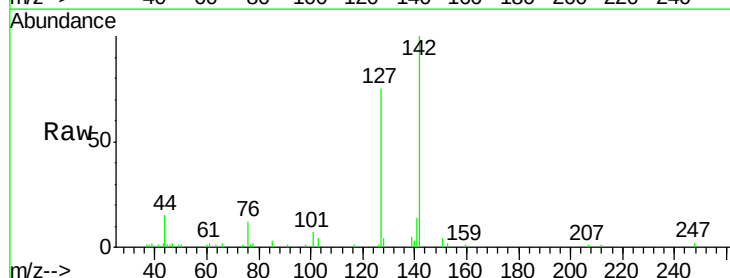
Tgt Ion:142 Resp: 41767

Ion Ratio Lower Upper

142 100

127 75.5 64.5 96.7

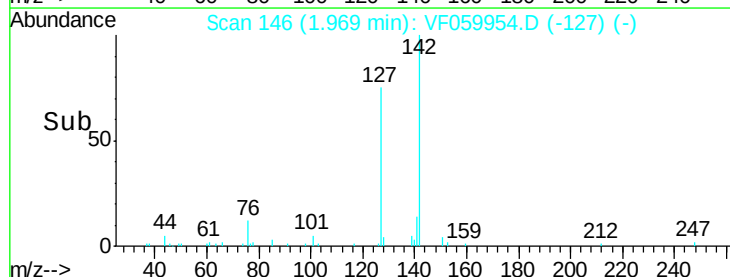
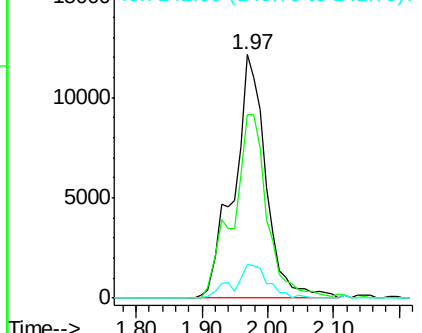
141 14.0 10.8 16.2

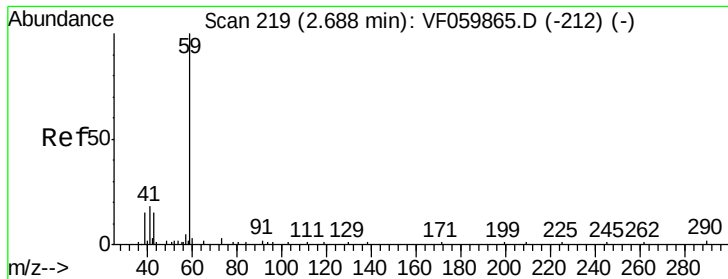


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):



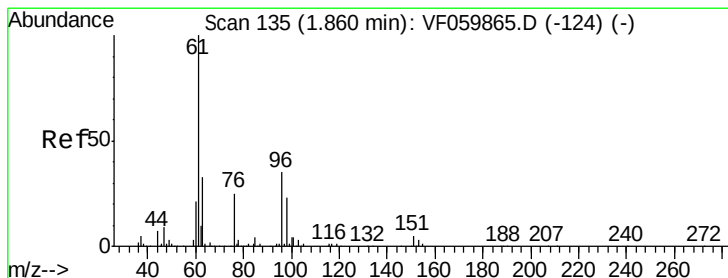
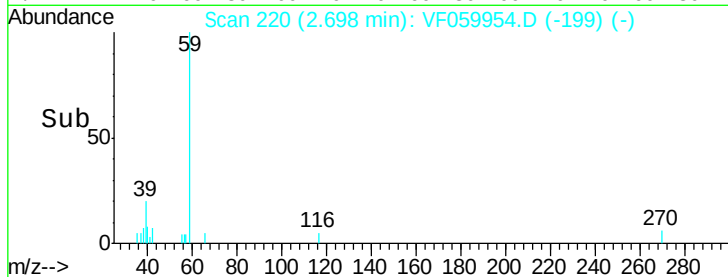
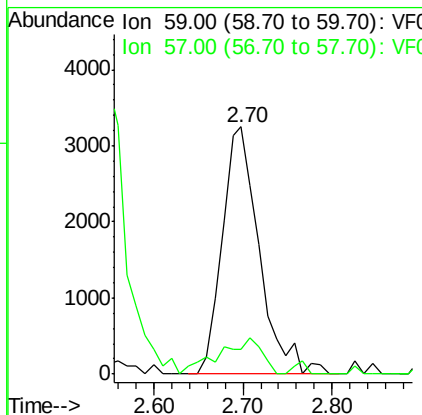
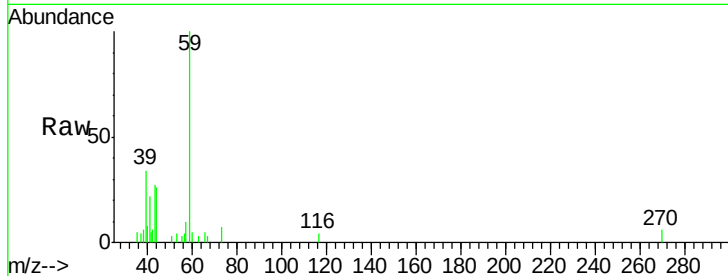


#11

Tert butyl alcohol
 Concen: 106.24 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

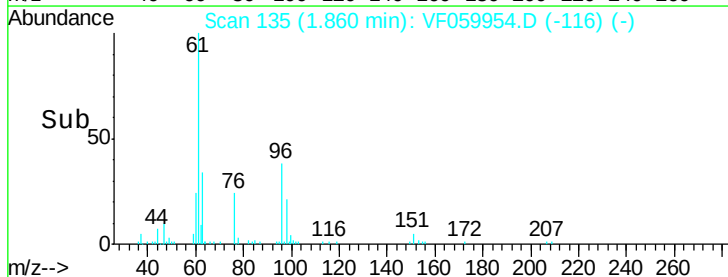
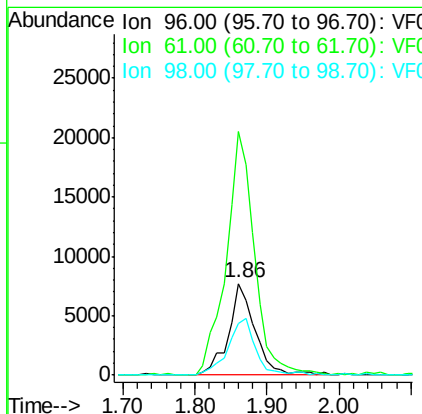
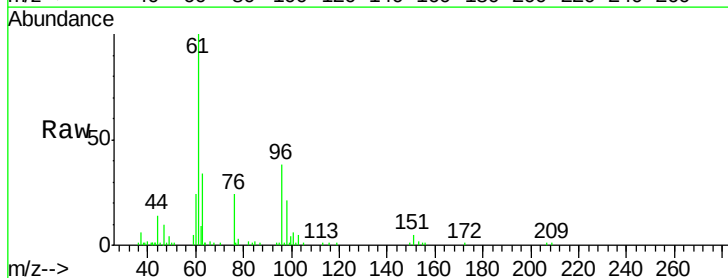
Tot Ion: 59 Resp: 9433
 Ion Ratio Lower Upper
 59 100
 57 10.0 12.0 18.0#

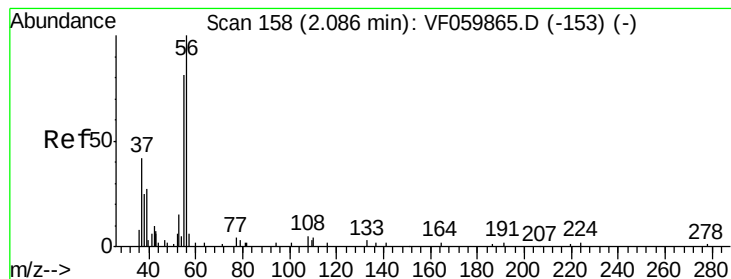


#12

1,1-Dichloroethene
 Concen: 18.60 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion: 96 Resp: 19796
 Ion Ratio Lower Upper
 96 100
 61 266.1 201.0 301.4
 98 55.9 51.9 77.9





#13

Acrolein

Concen: 66.18 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampled :

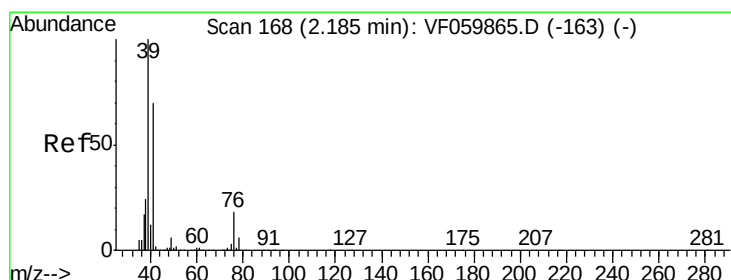
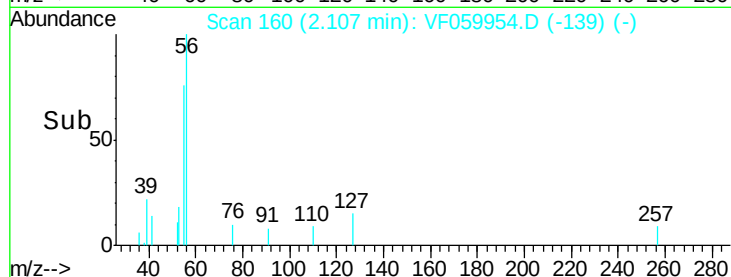
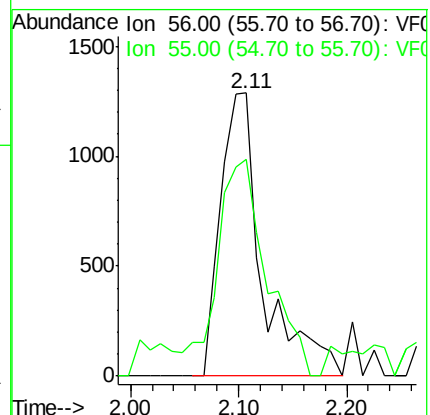
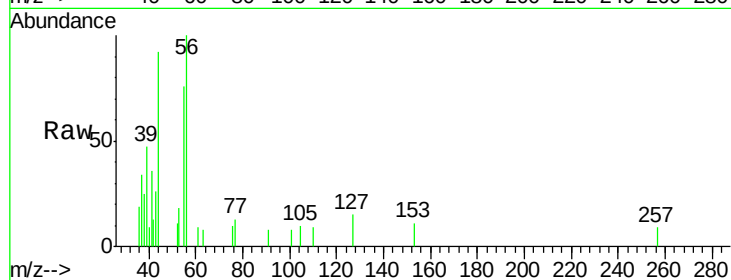
VSTDIC020

Tot Ion: 56 Resp: 3492

Ion Ratio Lower Upper

56 100

55 76.4 67.4 101.2



#14

Allyl chloride

Concen: 16.04 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

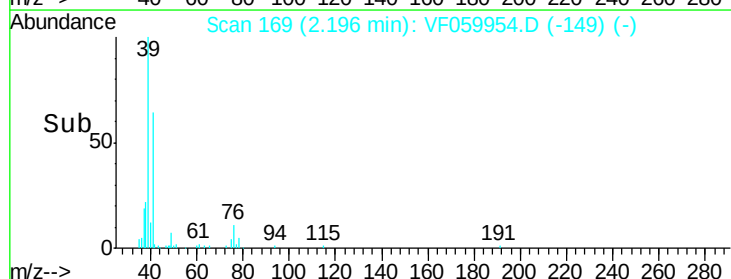
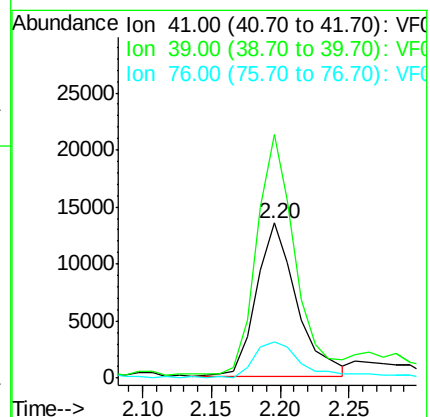
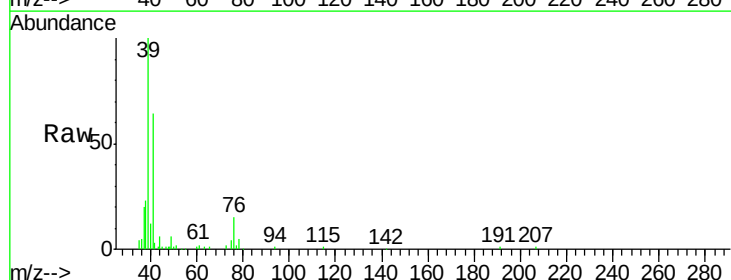
Tgt Ion: 41 Resp: 27389

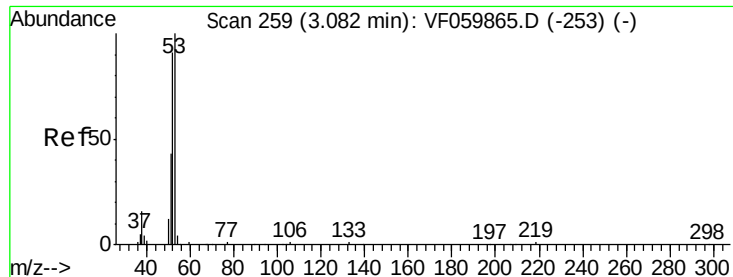
Ion Ratio Lower Upper

41 100

39 157.3 121.0 181.4

76 23.2 23.6 35.4#





#15

Acrylonitrile

Concen: 83.74 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

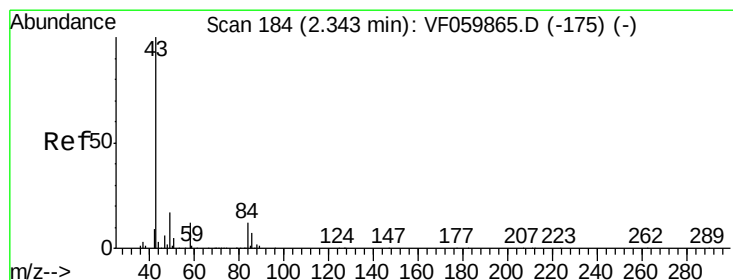
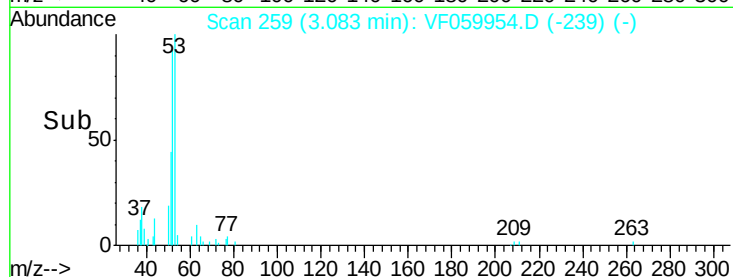
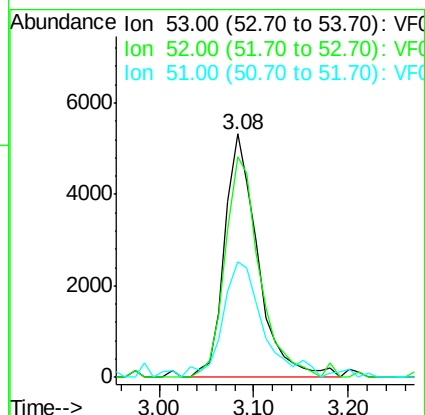
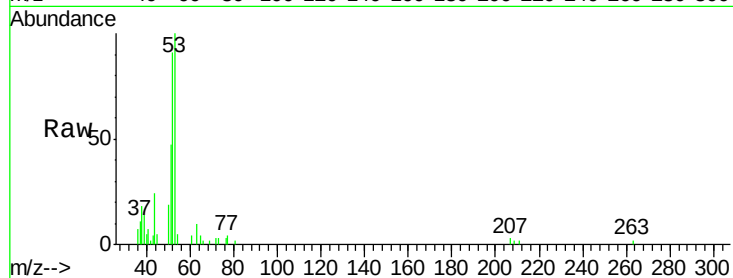
Tot Ion: 53 Resp: 12987

Ion Ratio Lower Upper

53 100

52 90.7 78.1 117.1

51 47.3 44.2 66.4



#16

Acetone

Concen: 113.17 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF059954.D

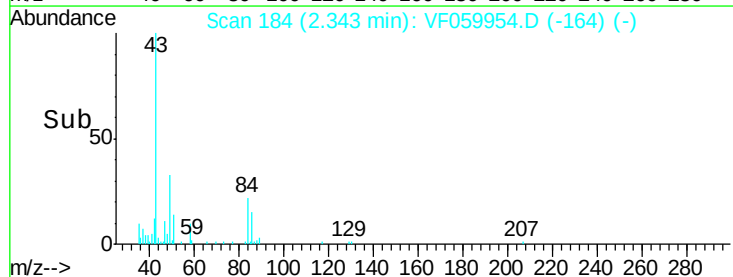
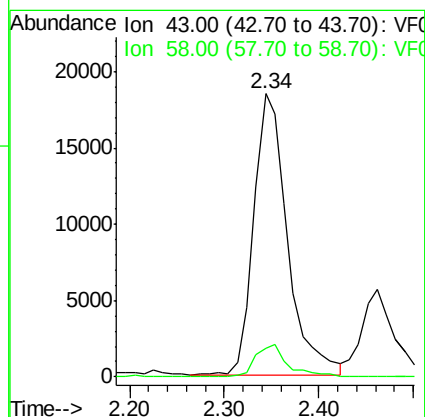
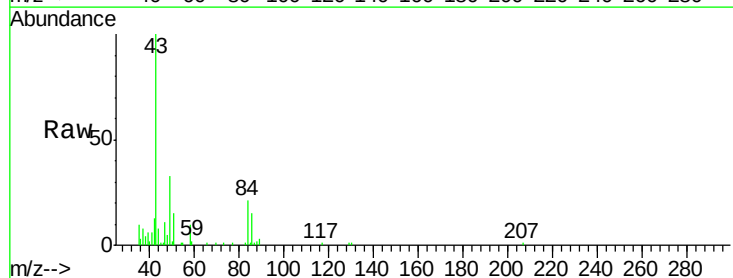
Acq: 14 Aug 2018 19:37

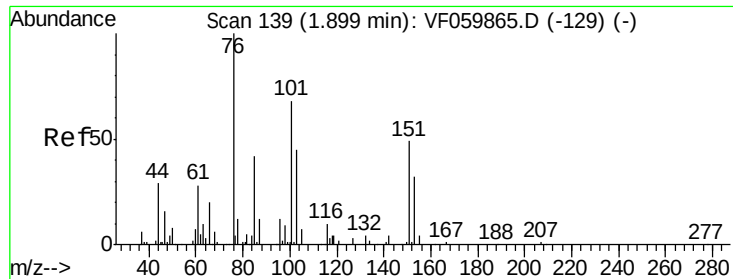
Tgt Ion: 43 Resp: 45567

Ion Ratio Lower Upper

43 100

58 9.9 8.1 12.1





#17

Carbon Disulfide

Concen: 18.61 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

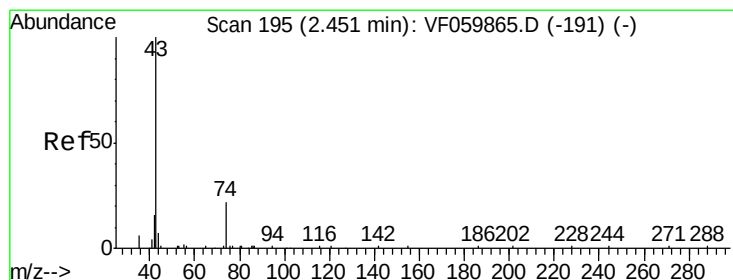
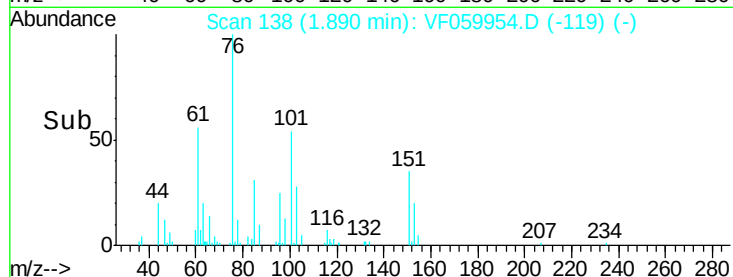
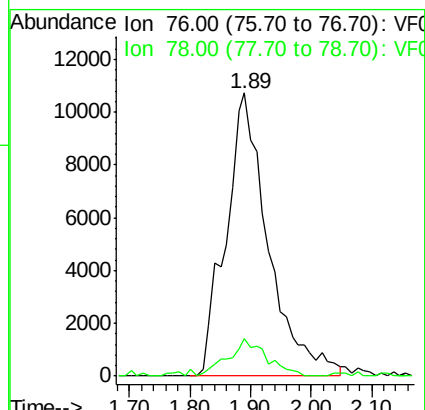
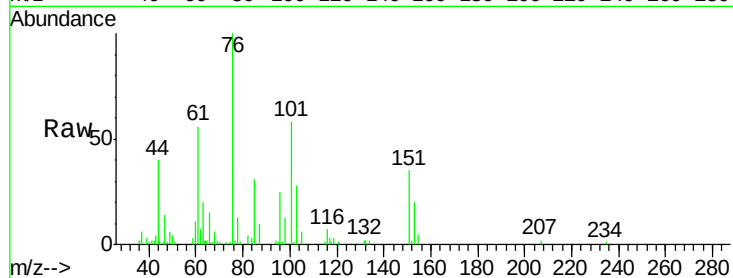
VSTDIC020

Tot Ion: 76 Resp: 52070

Ion Ratio Lower Upper

76 100

78 13.4 11.4 17.0



#18

Methyl Acetate

Concen: 17.98 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF059954.D

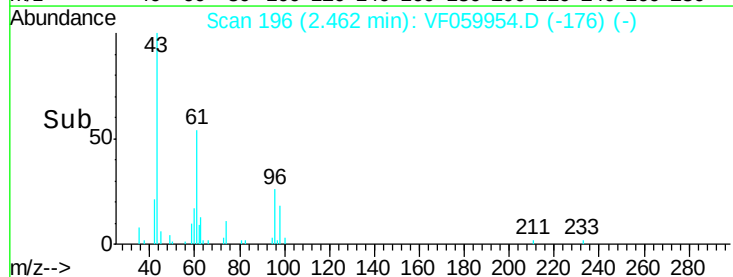
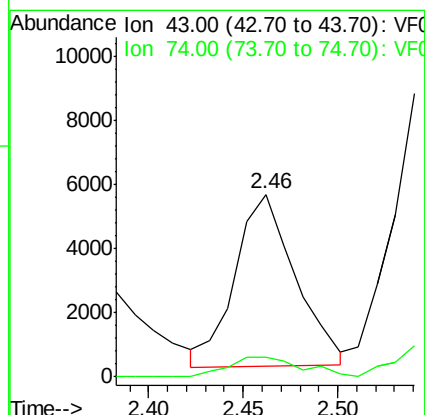
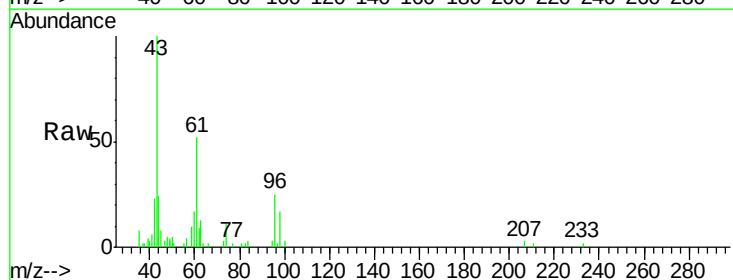
Acq: 14 Aug 2018 19:37

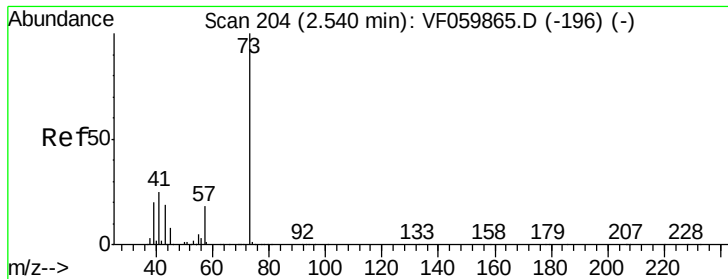
Tgt Ion: 43 Resp: 11911

Ion Ratio Lower Upper

43 100

74 11.1 14.3 21.5#

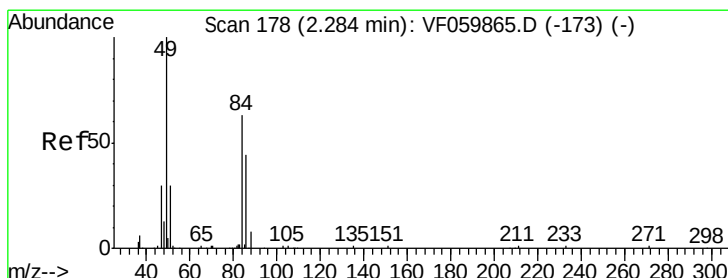
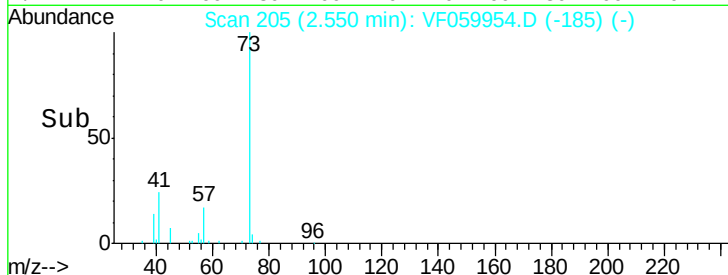
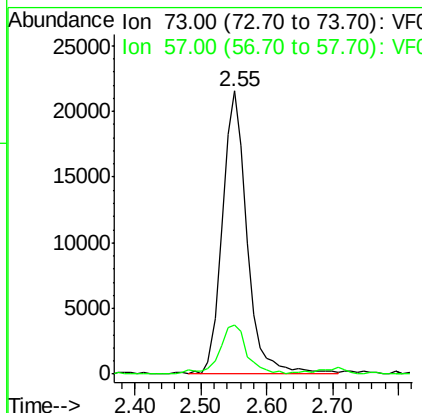
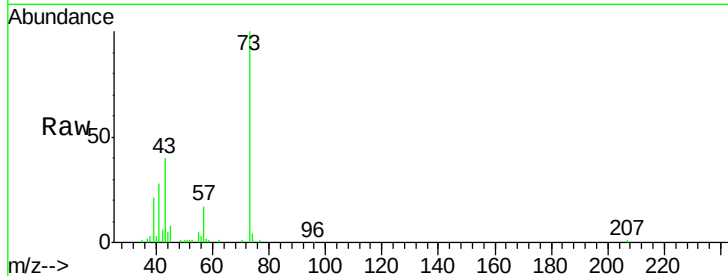




#19
Methyl tert-butyl Ether
Concen: 18.79 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

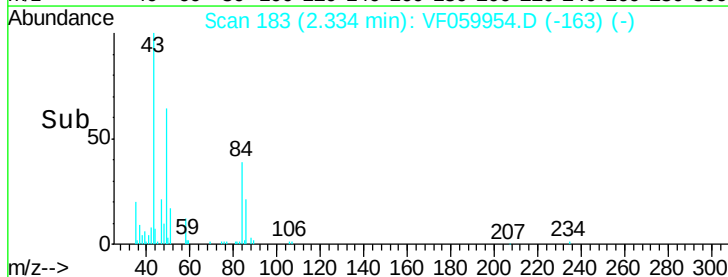
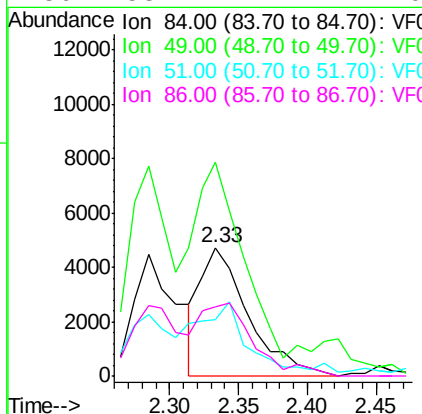
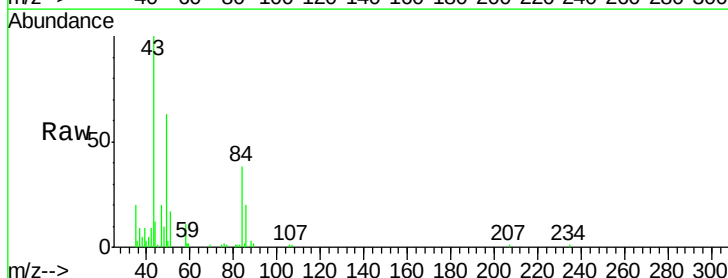
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

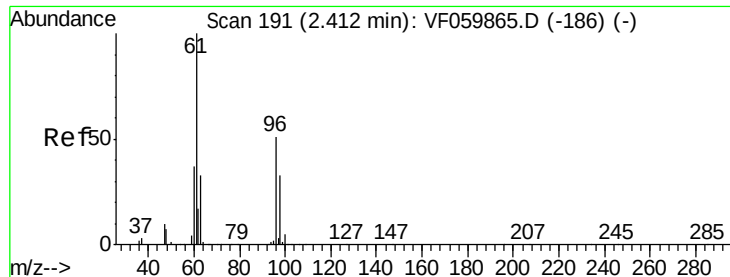
Tot Ion: 73 Resp: 56629
Ion Ratio Lower Upper
73 100
57 17.3 14.0 21.0



#20
Methylene Chloride
Concen: 11.86 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 84 Resp: 11375
Ion Ratio Lower Upper
84 100
49 166.2 138.6 207.8
51 43.7 40.2 60.4
86 53.7 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 18.80 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

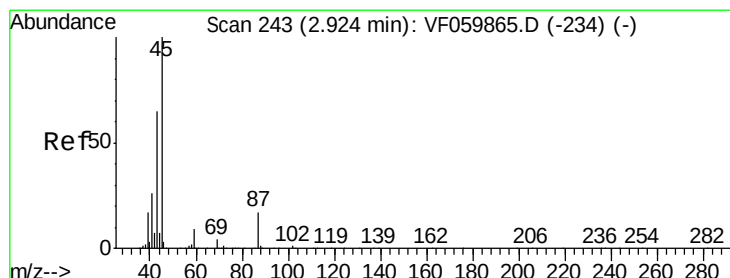
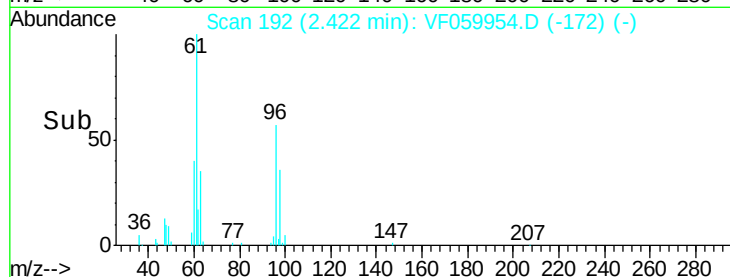
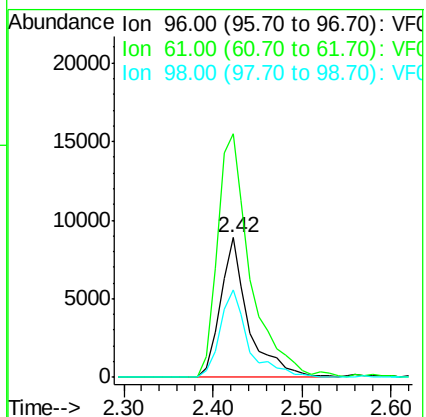
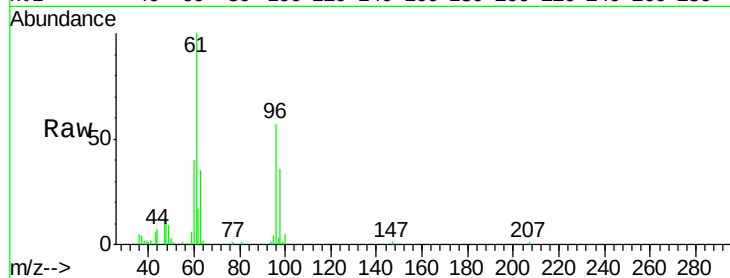
Tot Ion: 96 Resp: 19774

Ion Ratio Lower Upper

96 100

61 174.7 159.5 239.3

98 62.9 53.8 80.6



#22

Diisopropyl ether

Concen: 18.54 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion: 45 Resp: 63199

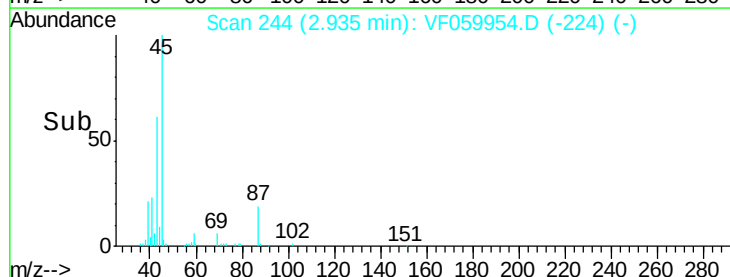
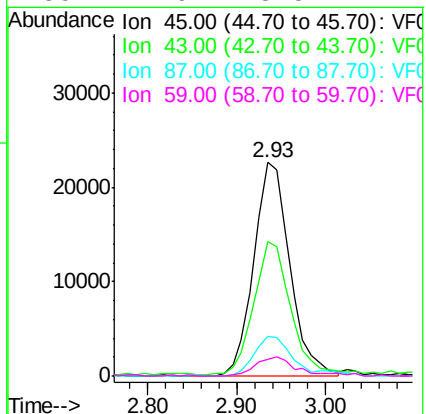
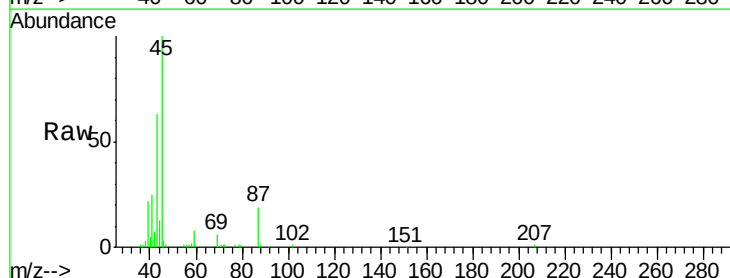
Ion Ratio Lower Upper

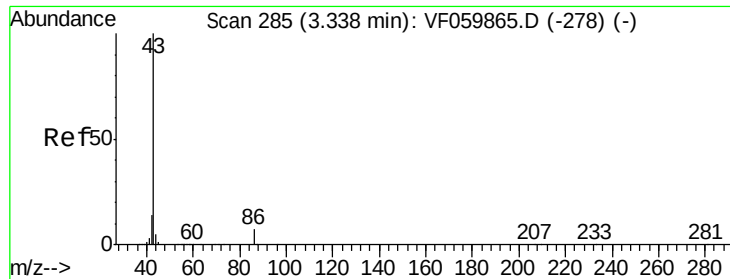
45 100

43 62.7 48.7 73.1

87 18.6 15.3 22.9

59 7.9 8.5 12.7#





#23

Vinyl Acetate

Concen: 99.26 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

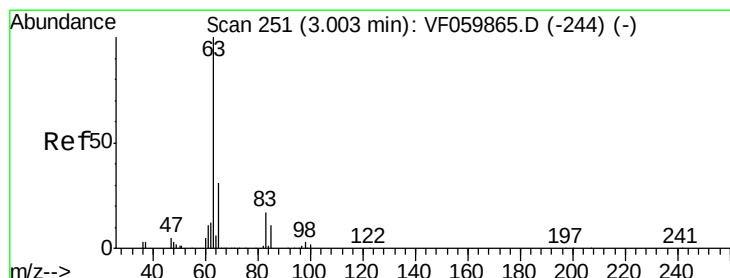
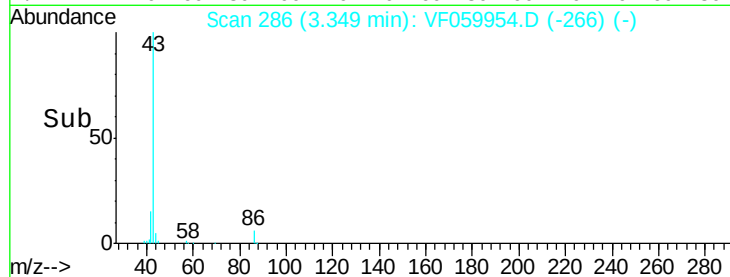
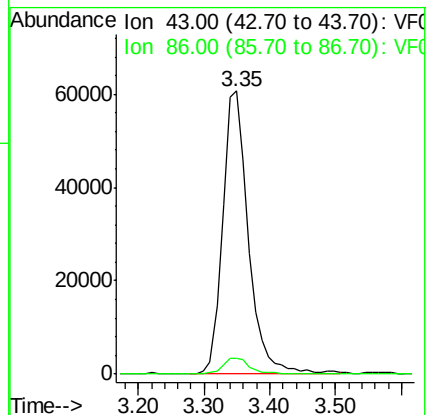
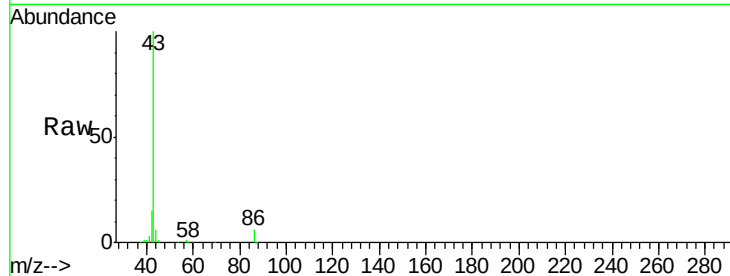
VSTDIC020

Tot Ion: 43 Resp: 164706

Ion Ratio Lower Upper

43 100

86 5.8 4.9 7.3



#24

1,1-Dichloroethane

Concen: 19.20 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

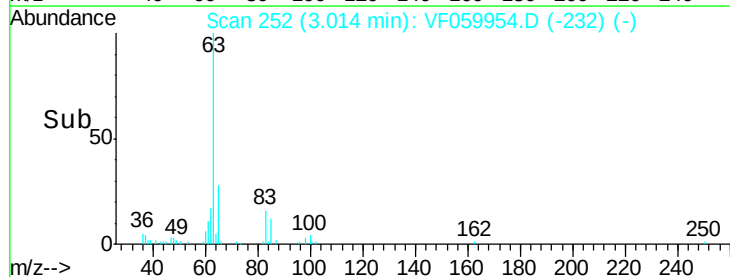
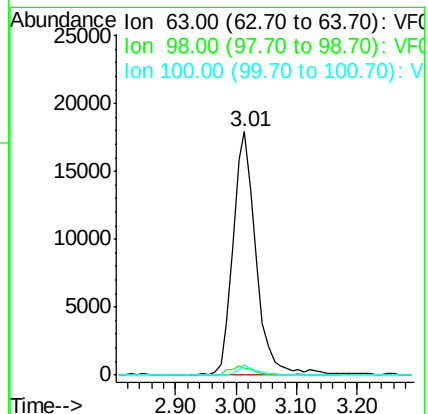
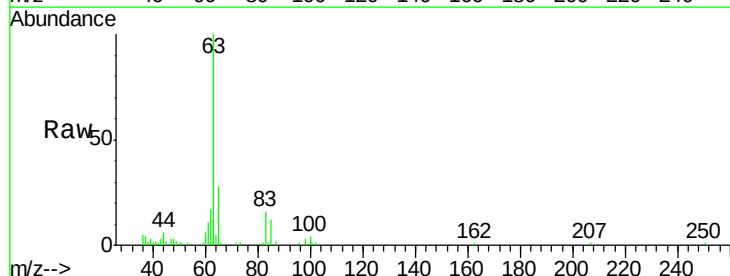
Tgt Ion: 63 Resp: 47527

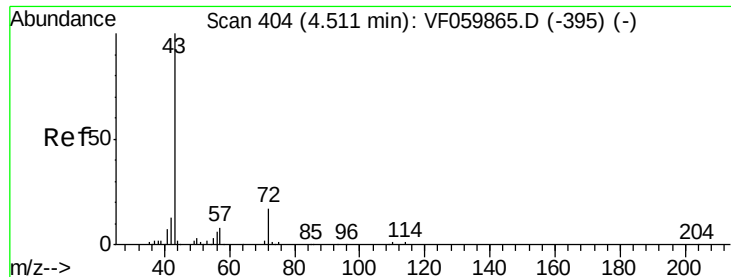
Ion Ratio Lower Upper

63 100

98 2.7 2.1 6.2

100 4.9 1.7 5.1





#25

2-Butanone

Concen: 107.22 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

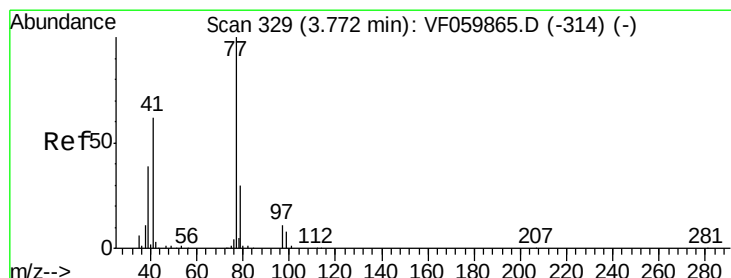
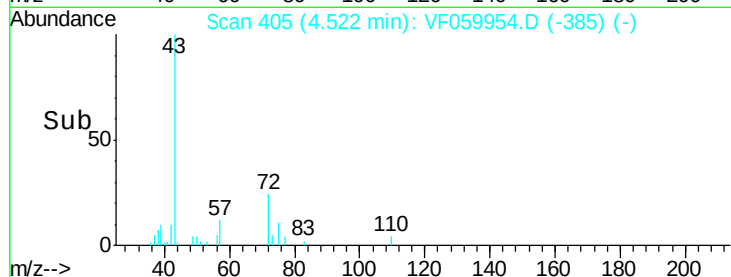
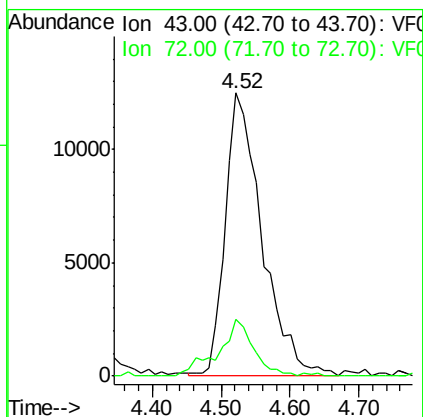
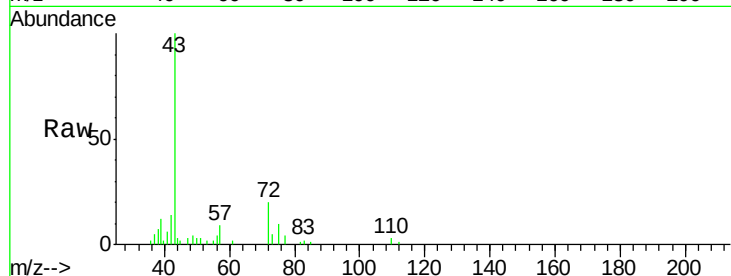
VSTDIC020

Tot Ion: 43 Resp: 46332

Ion Ratio Lower Upper

43 100

72 19.9 14.6 22.0



#26

2,2-Dichloropropane

Concen: 20.72 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059954.D

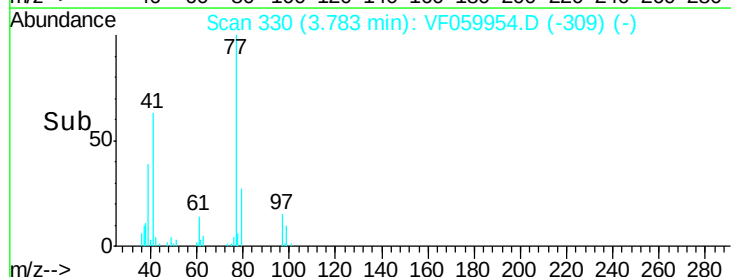
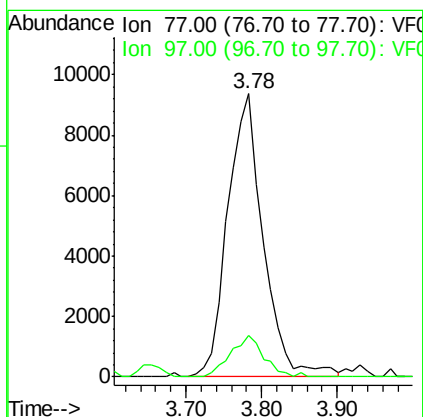
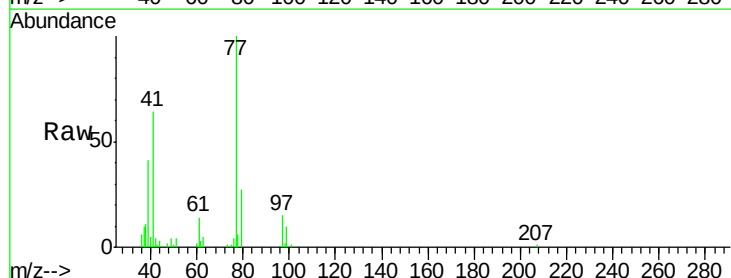
Acq: 14 Aug 2018 19:37

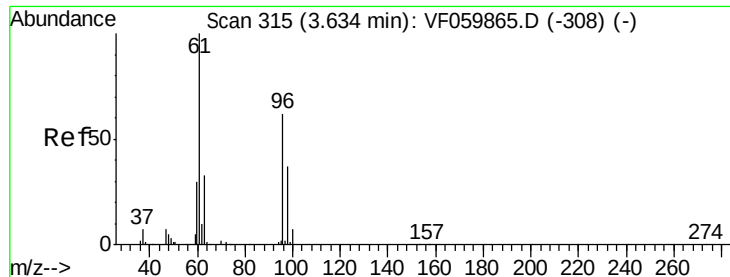
Tgt Ion: 77 Resp: 30462

Ion Ratio Lower Upper

77 100

97 14.7 6.6 19.7



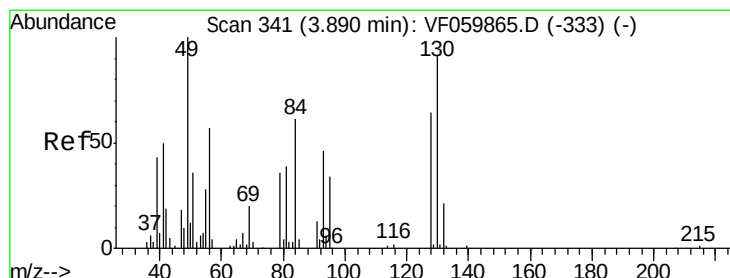
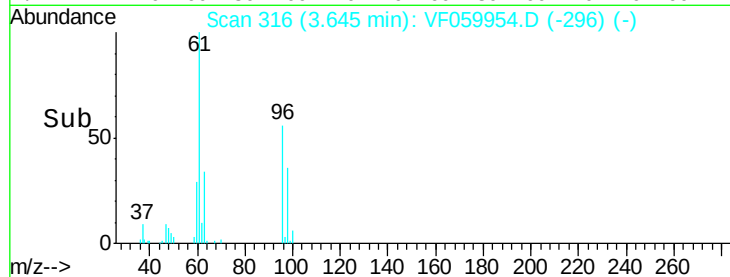
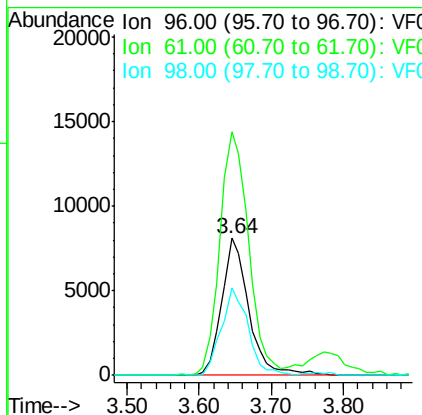
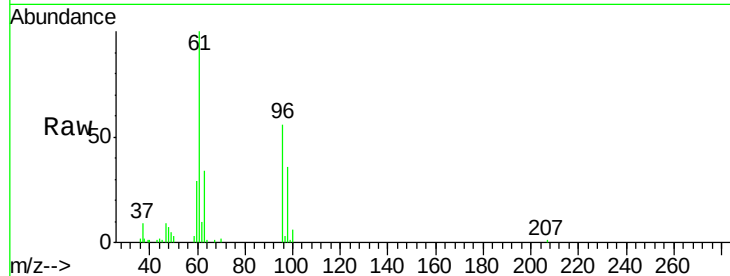


#27

cis-1,2-Dichloroethene
 Concen: 18.13 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

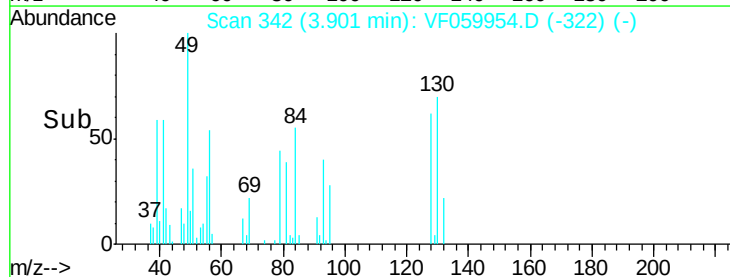
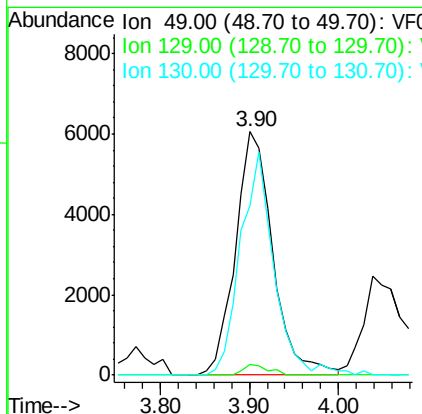
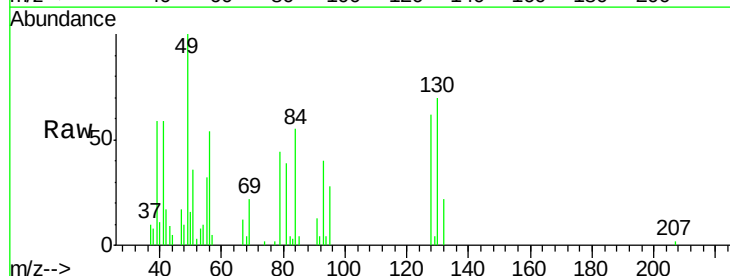
Tot Ion	96	Resp	21230
Ion	Ratio	Lower	Upper
96	100		
61	177.7	0.0	349.4
98	64.2	0.0	134.6

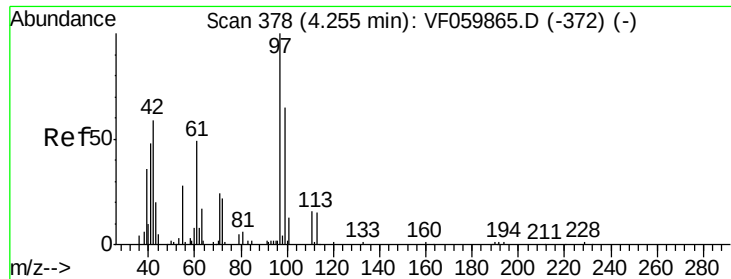


#28

Bromochloromethane
 Concen: 19.92 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	49	Resp	17676
Ion	Ratio	Lower	Upper
49	100		
129	4.3	0.0	4.2#
130	69.7	58.1	87.1

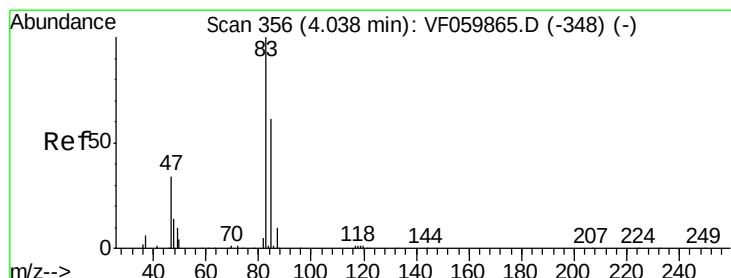
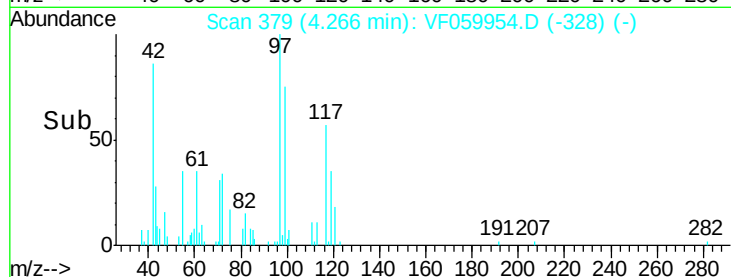
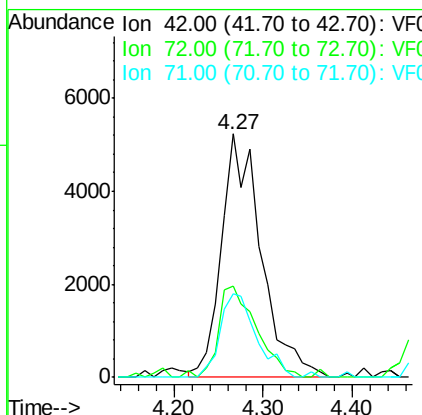
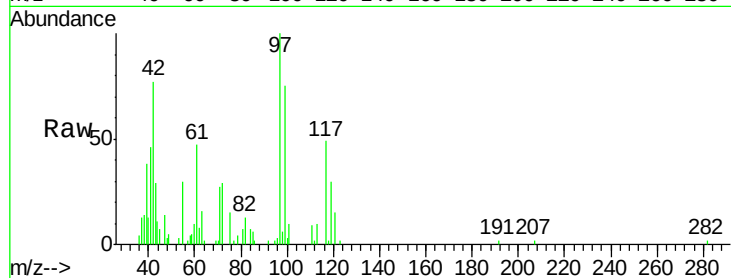




#29
Tetrahydrofuran
Concen: 102.53 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

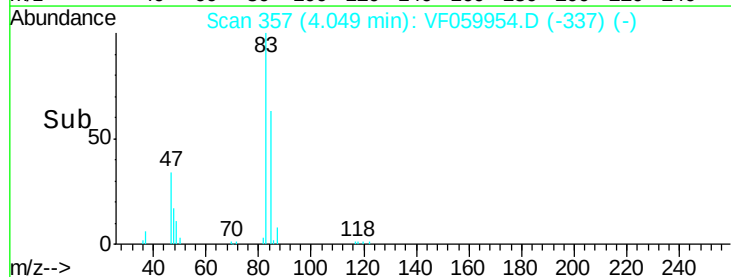
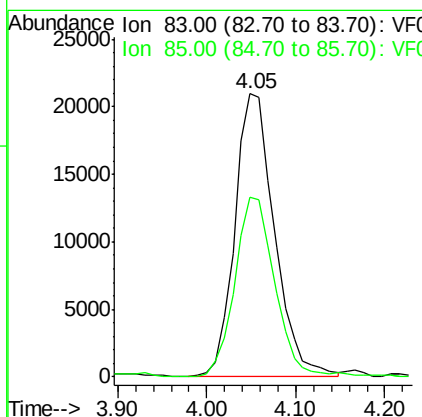
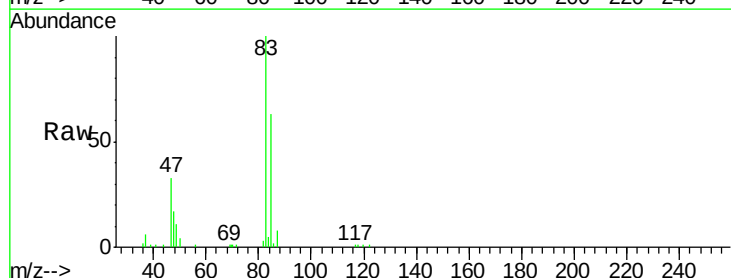
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

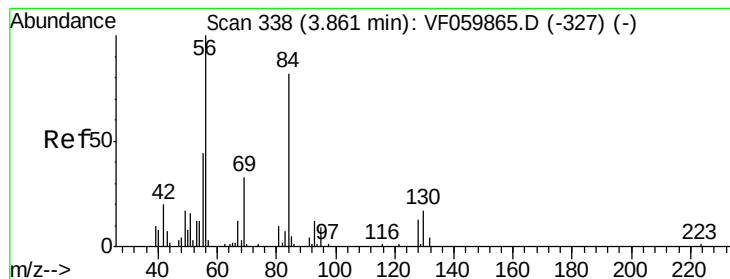
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	27.7	41.5
71	31.6	28.2	42.4



#30
Chloroform
Concen: 19.35 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	54.4	81.6





#31

Cyclohexane

Concen: 19.07 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

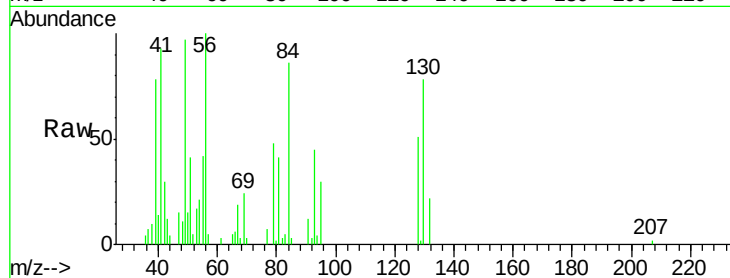
MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 23303

Ion	Ratio	Lower	Upper
56	100		
69	23.5	26.2	39.2#
84	86.2	61.0	91.4

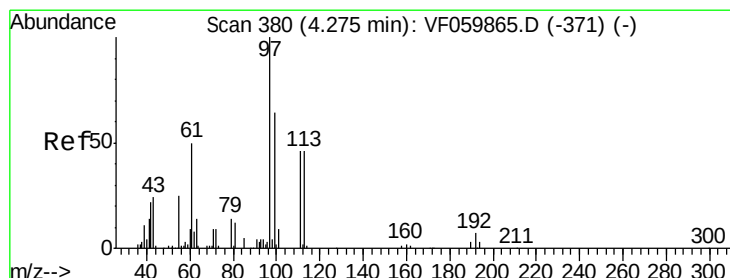
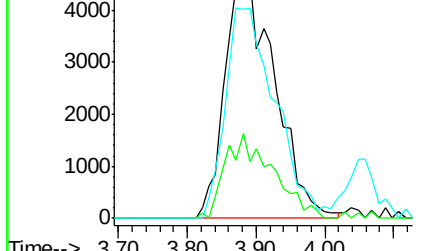
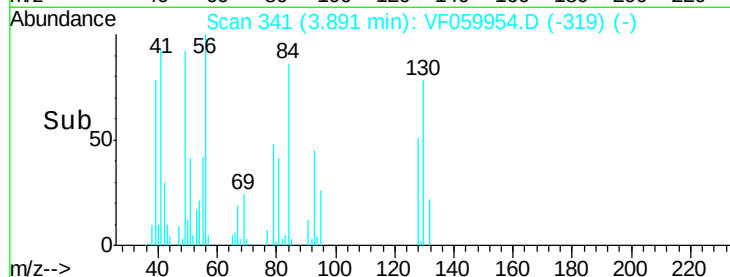


Abundance Ion 56.00 (55.70 to 56.70): VF059865.D (-327) (-)

Ion 69.00 (68.70 to 69.70): VF059865.D (-327) (-)

Ion 84.00 (83.70 to 84.70): VF059865.D (-327) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 20.25 ug/l

RT: 4.30 min Scan# 382

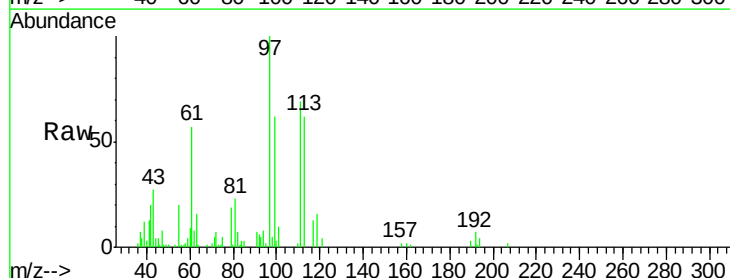
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion: 97 Resp: 54383

Ion	Ratio	Lower	Upper
97	100		
99	62.4	53.0	79.4
61	56.6	36.6	55.0#

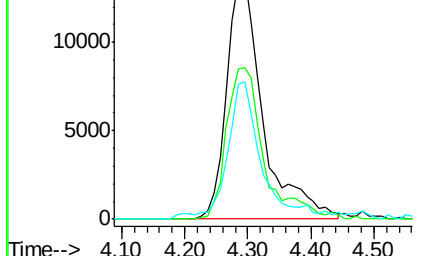
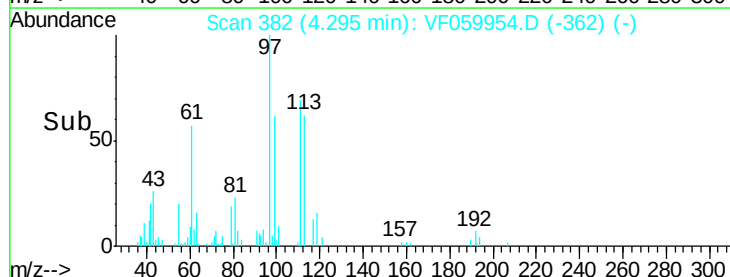


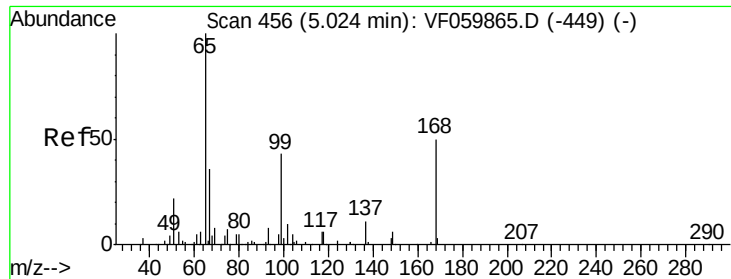
Abundance Ion 97.00 (96.70 to 97.70): VF059865.D (-371) (-)

Ion 99.00 (98.70 to 99.70): VF059865.D (-371) (-)

Ion 61.00 (60.70 to 61.70): VF059865.D (-371) (-)

Time-->

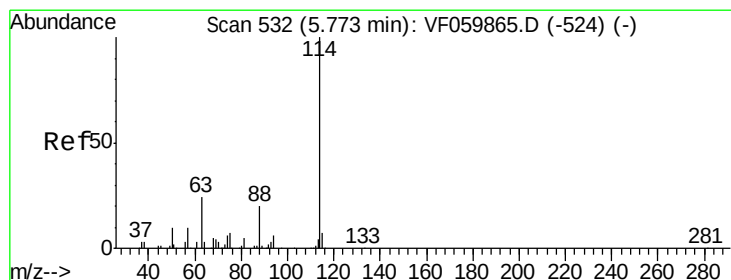
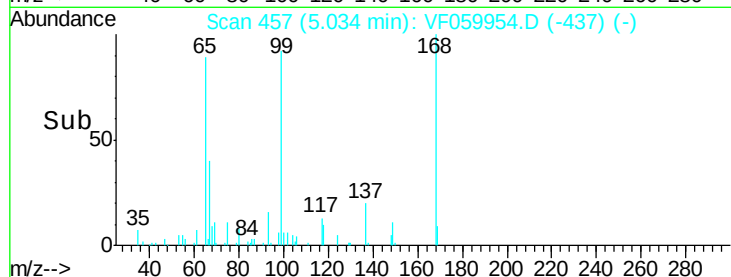
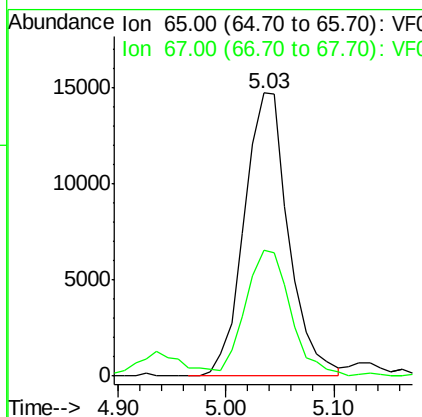
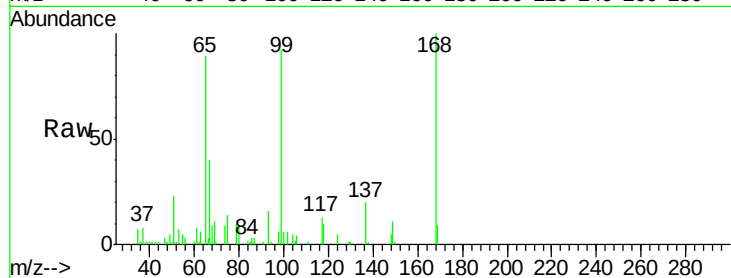




#33
 1,2-Dichloroethane-d4
 Concen: 19.42 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

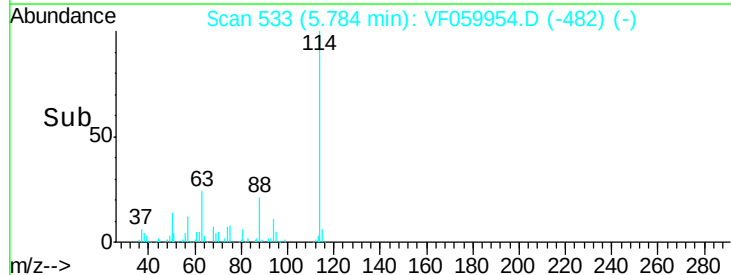
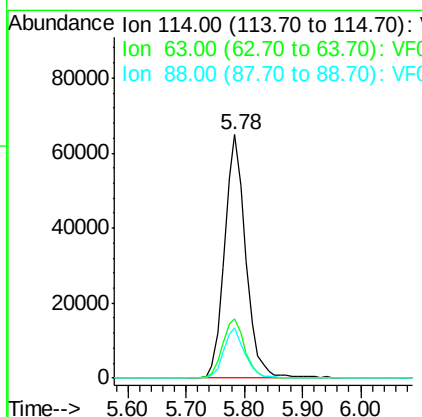
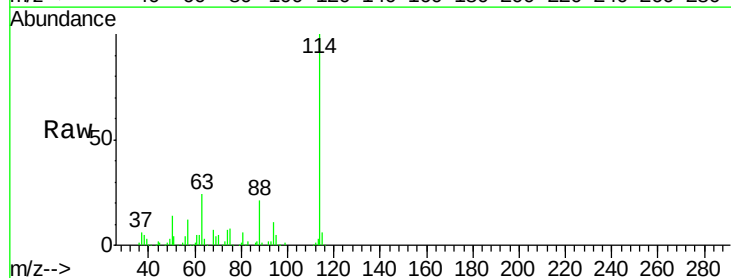
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

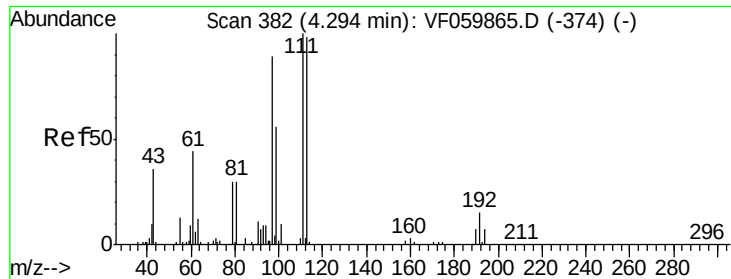
Tot Ion: 65 Resp: 42242
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion: 114 Resp: 163789
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.2
 88 20.7 0.0 46.8





#35

Dibromofluoromethane

Concen: 20.69 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

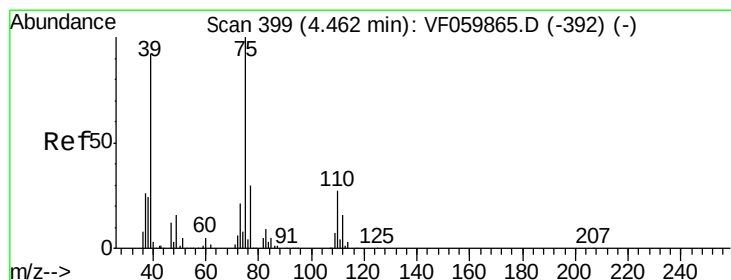
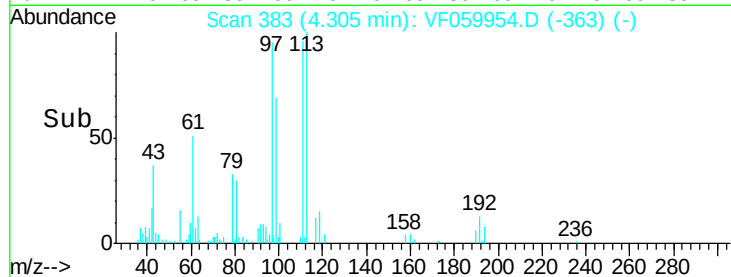
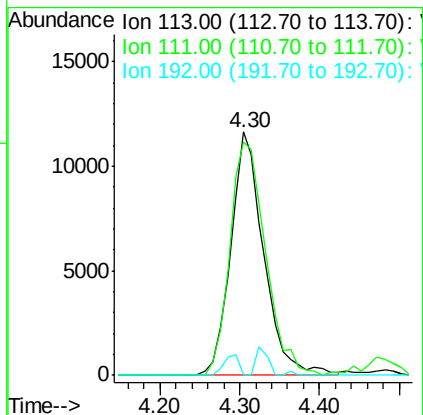
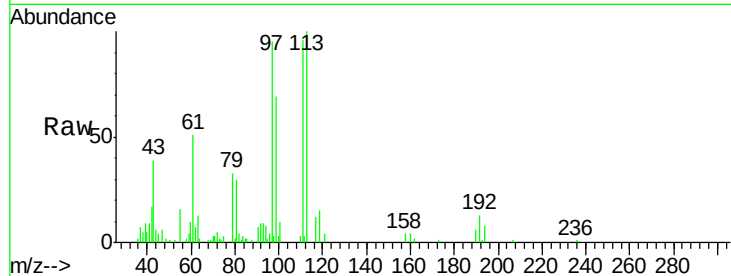
Tot Ion:113 Resp: 33466

Ion Ratio Lower Upper

113 100

111 98.7 80.6 121.0

192 0.0 11.7 17.5#



#36

1,1-Dichloropropene

Concen: 20.37 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

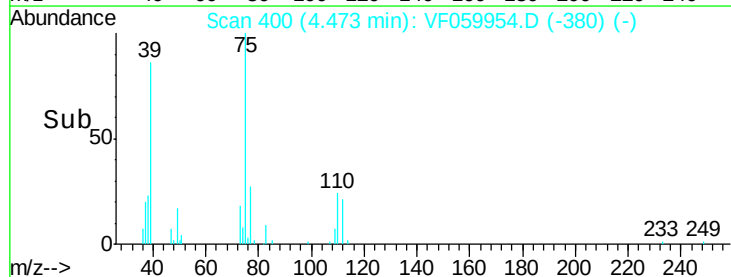
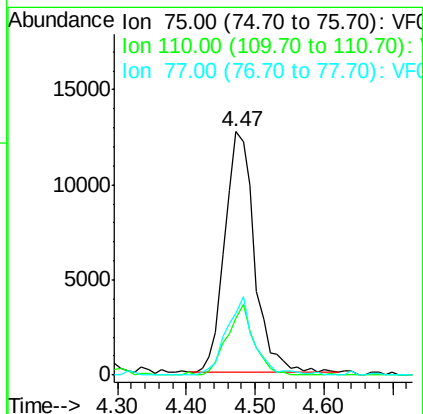
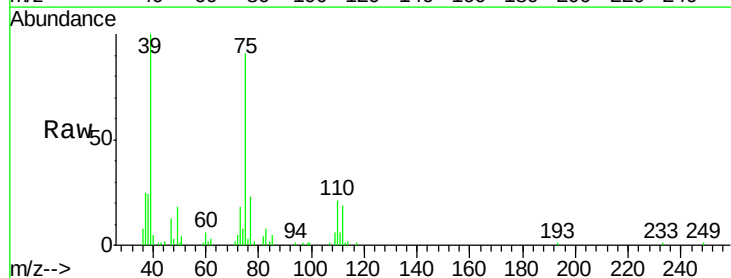
Tgt Ion: 75 Resp: 37876

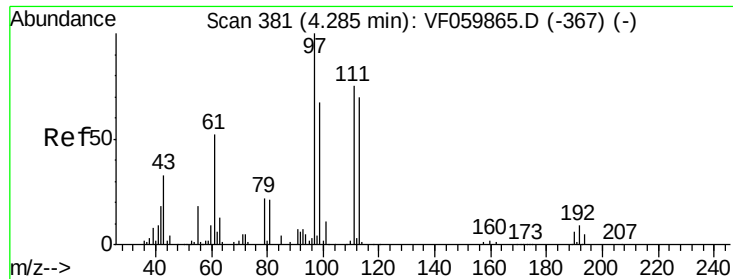
Ion Ratio Lower Upper

75 100

110 23.4 12.6 37.8

77 25.6 22.7 34.1

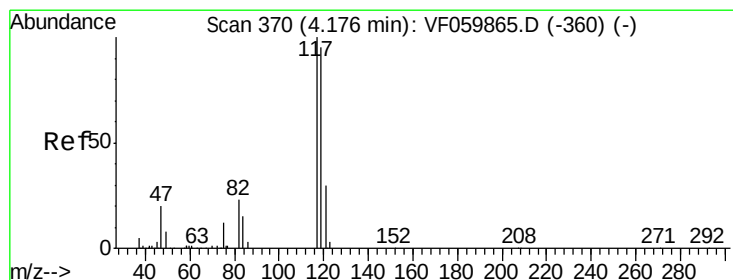
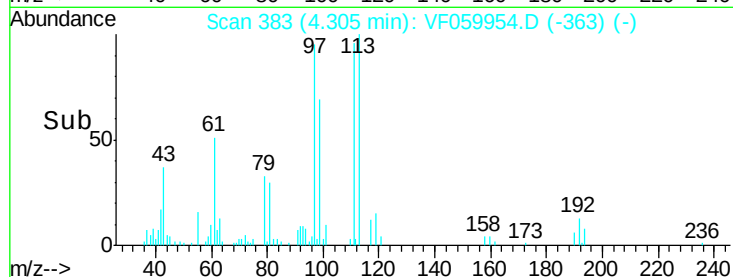
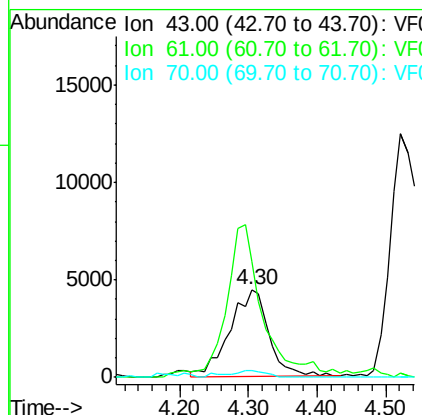
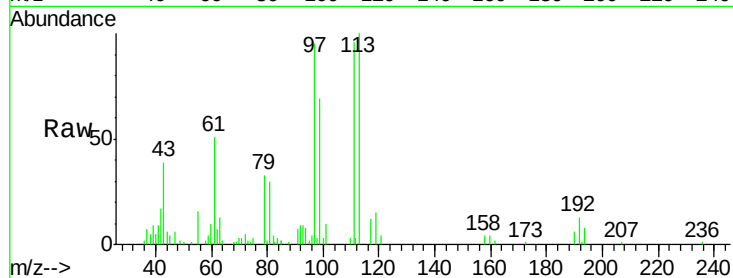




#37
Ethyl Acetate
Concen: 21.60 ug/l
RT: 4.30 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

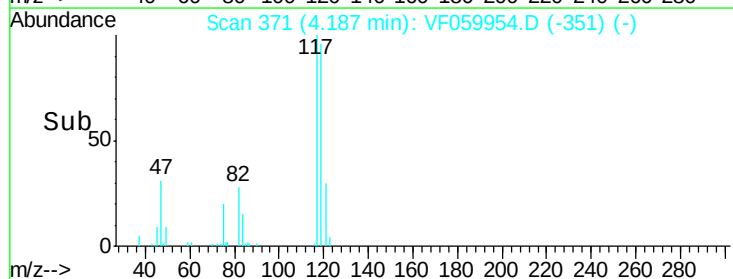
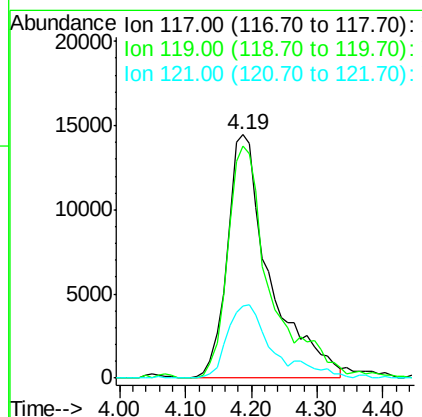
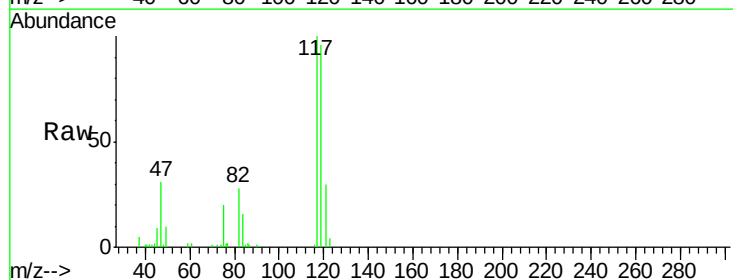
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

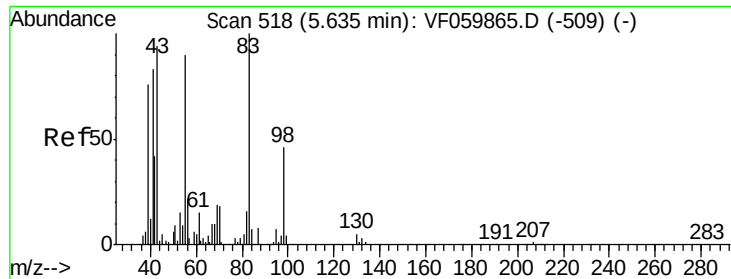
Tot Ion: 43 Resp: 17230
Ion Ratio Lower Upper
43 100
61 132.3 84.3 126.5#
70 8.0 5.5 8.3



#38
Carbon Tetrachloride
Concen: 23.56 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 117 Resp: 65330
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3
121 29.5 24.9 37.3

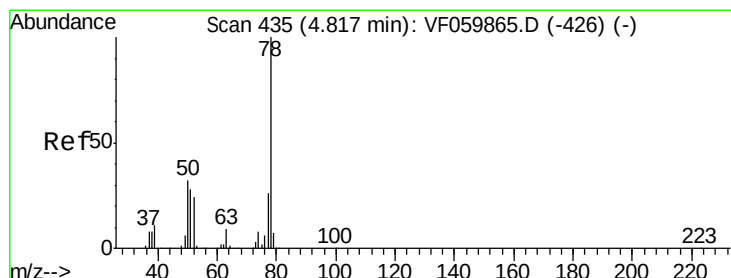
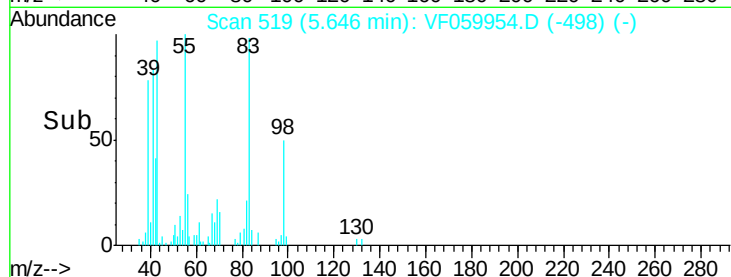
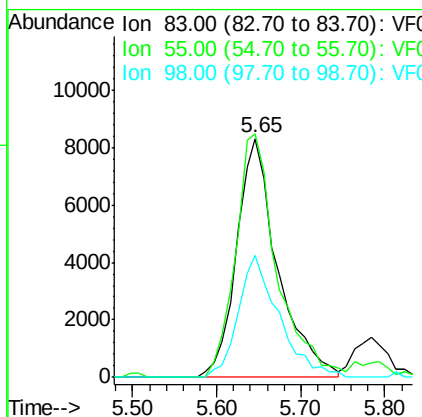
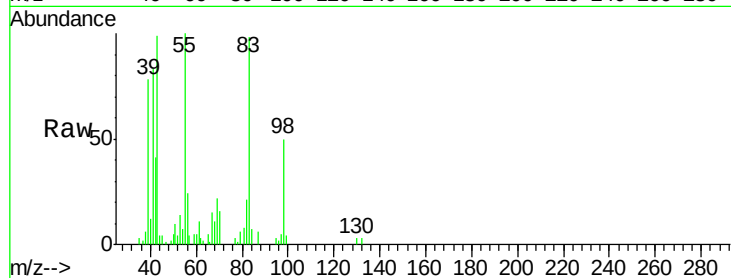




#39
Methylvlcyclohexane
Concen: 20.40 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

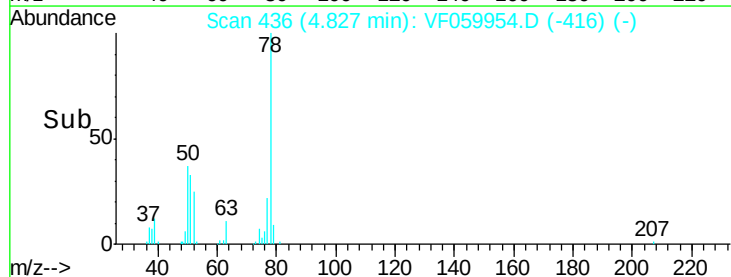
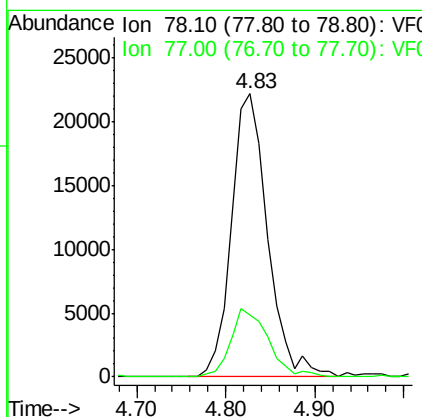
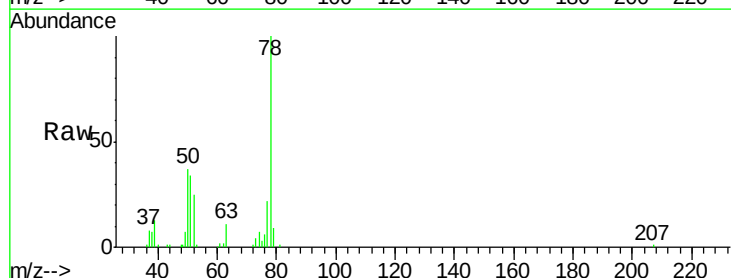
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

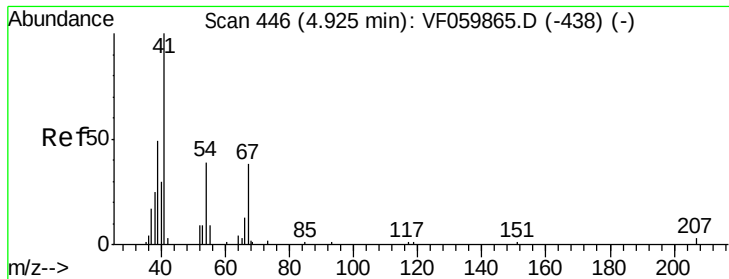
Tot Ion: 83 Resp: 28291
Ion Ratio Lower Upper
83 100
55 102.0 77.4 116.2
98 51.1 41.5 62.3



#40
Benzene
Concen: 17.86 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 78 Resp: 62800
Ion Ratio Lower Upper
78 100
77 22.1 21.1 31.7

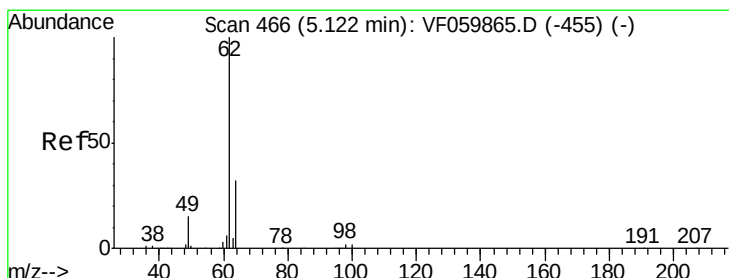
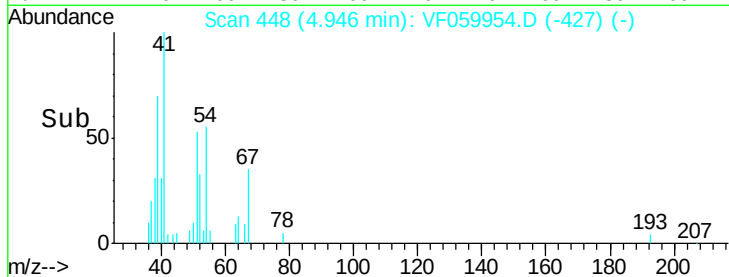
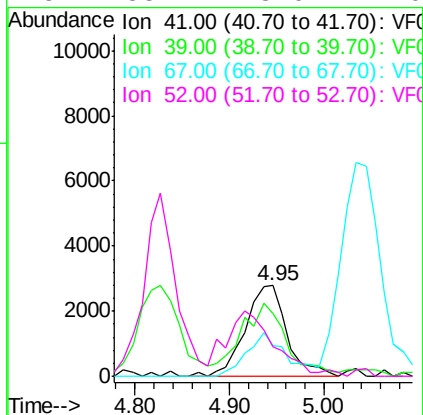
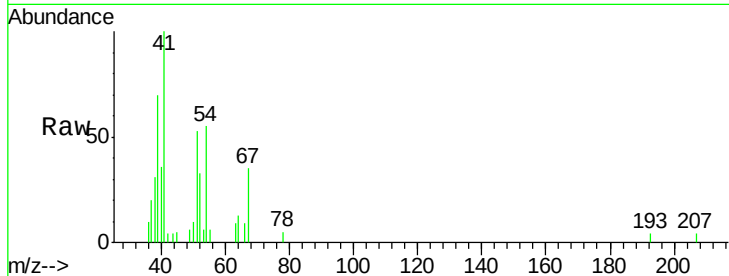




#41
Methacrylonitrile
Concen: 20.42 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

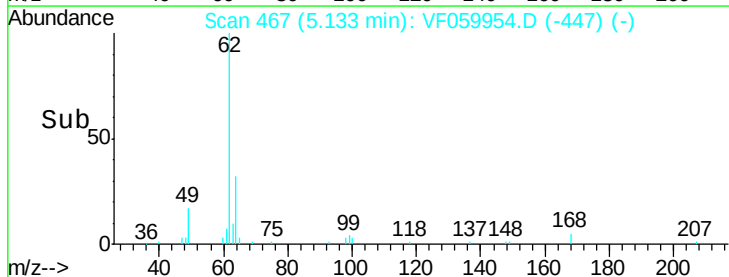
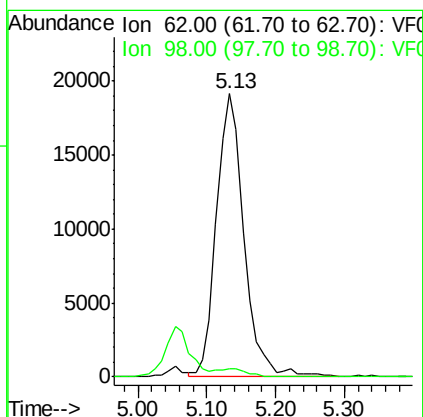
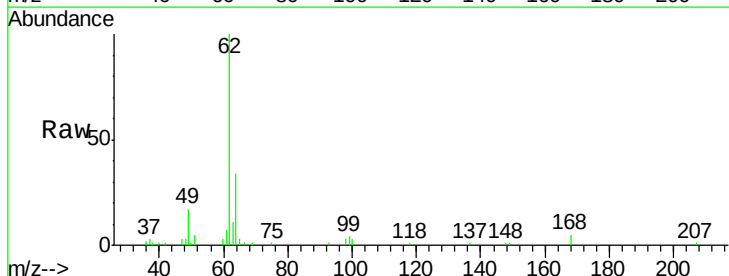
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

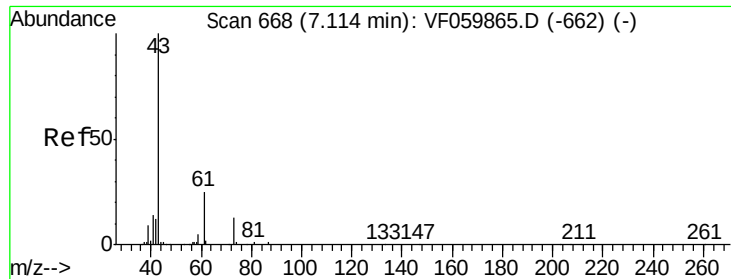
Tot Ion: 41 Resp: 8527
Ion Ratio Lower Upper
41 100
39 69.7 75.7 113.5#
67 34.5 36.1 54.1#
52 33.1 48.0 72.0#



#42
1,2-Dichloroethane
Concen: 20.43 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 62 Resp: 52966
Ion Ratio Lower Upper
62 100
98 3.0 0.0 5.0





#43

Isopropyl Acetate

Concen: 20.82 ug/l

RT: 7.13 min Scan# 670

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

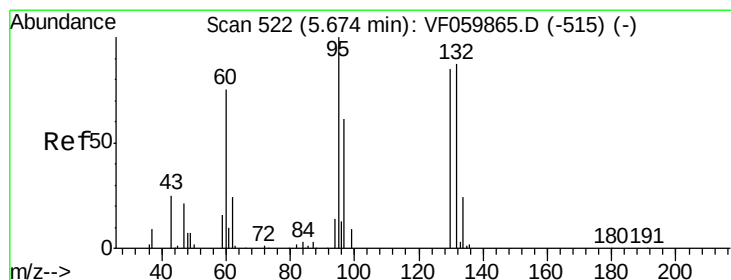
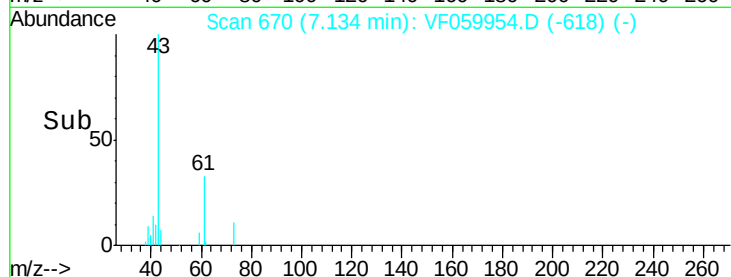
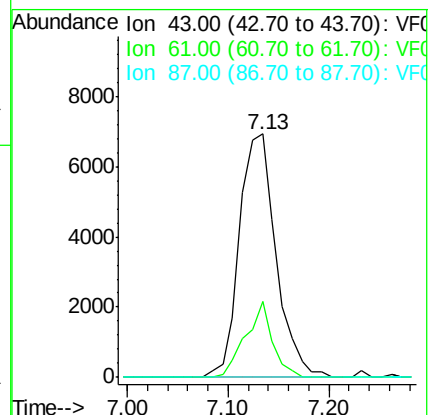
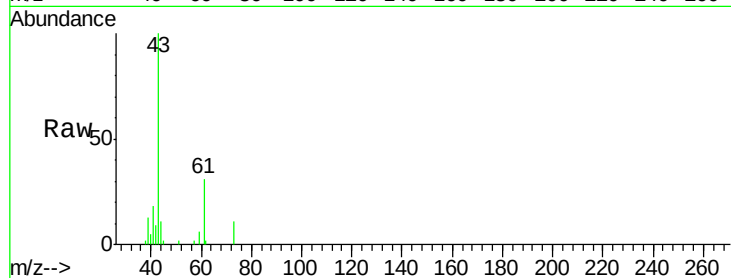
Tot Ion: 43 Resp: 17495

Ion Ratio Lower Upper

43 100

61 31.4 18.6 27.8#

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 20.46 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.01 min

Lab File: VF059954.D

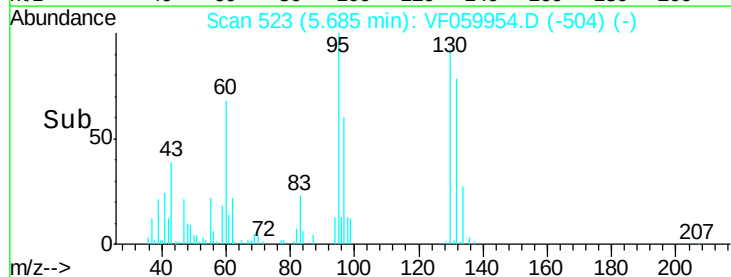
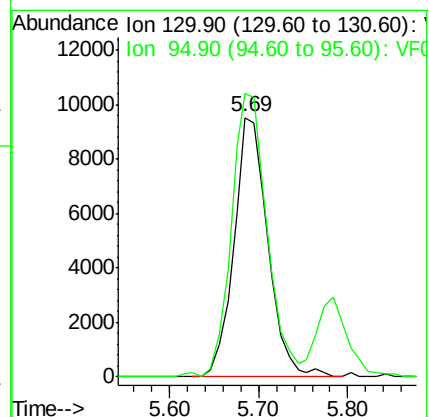
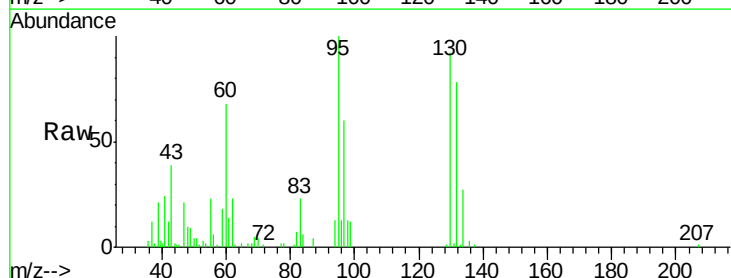
Acq: 14 Aug 2018 19:37

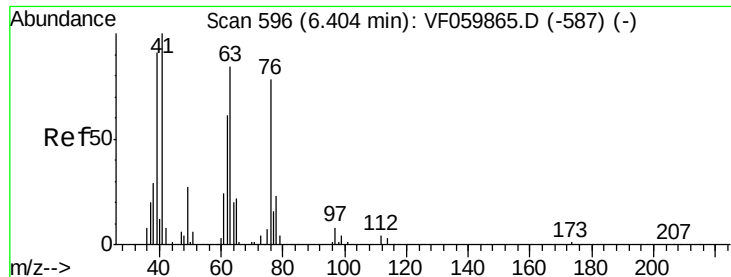
Tgt Ion: 130 Resp: 25309

Ion Ratio Lower Upper

130 100

95 109.0 0.0 222.0





#45

1,2-Dichloropropane

Concen: 20.40 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

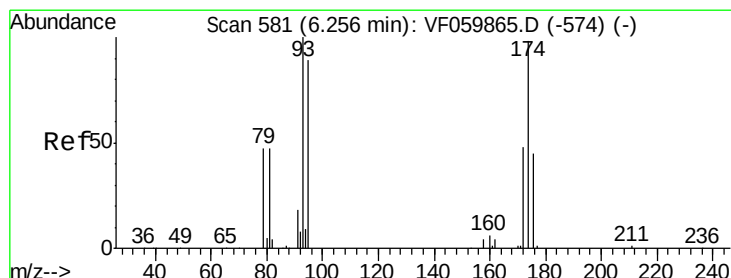
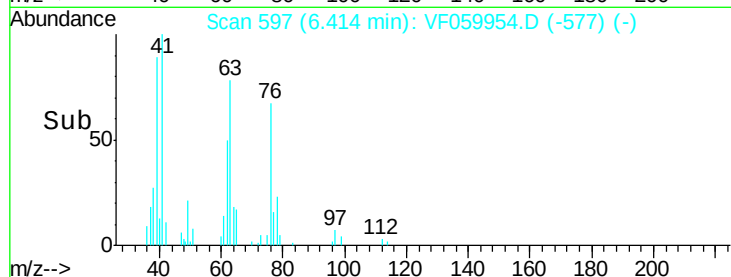
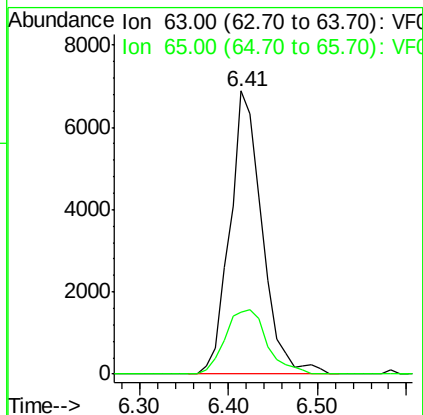
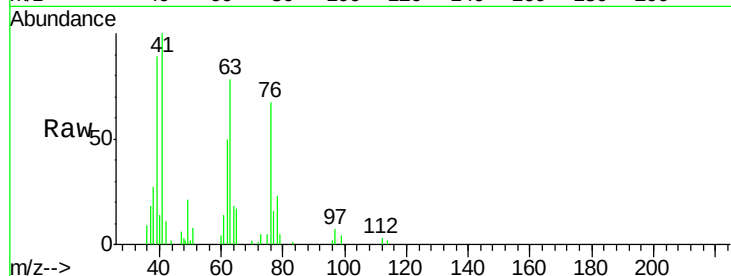
VSTDIC020

Tot Ion: 63 Resp: 17429

Ion Ratio Lower Upper

63 100

65 22.0 27.8 41.6#



#46

Dibromomethane

Concen: 18.22 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

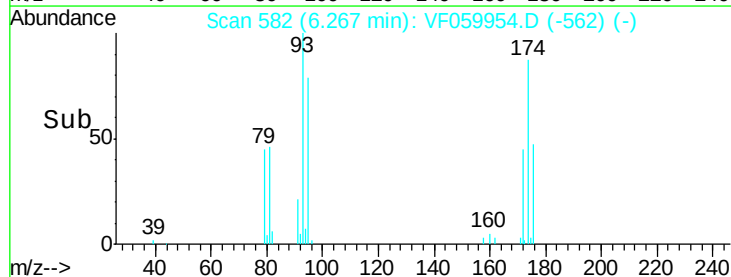
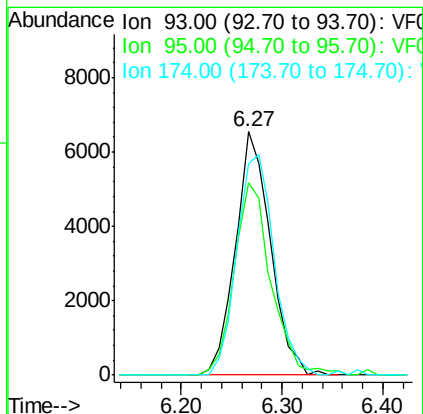
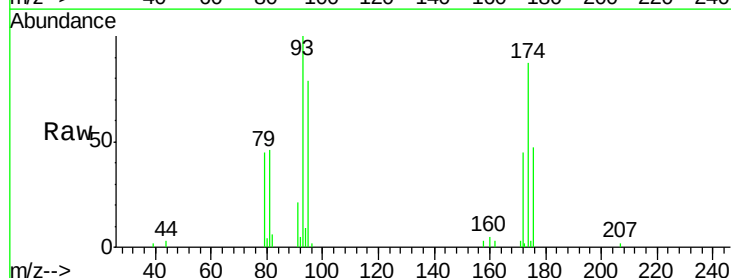
Tgt Ion: 93 Resp: 15780

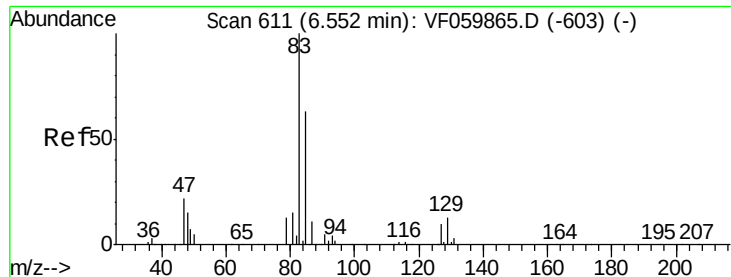
Ion Ratio Lower Upper

93 100

95 79.2 72.4 108.6

174 87.1 75.9 113.9





#47

Bromodichloromethane

Concen: 20.88 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

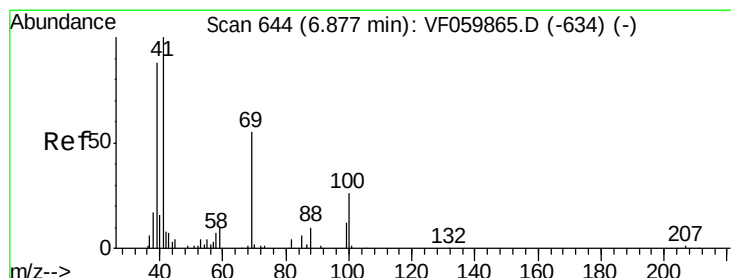
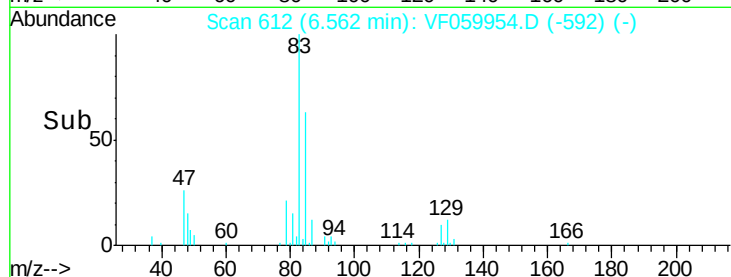
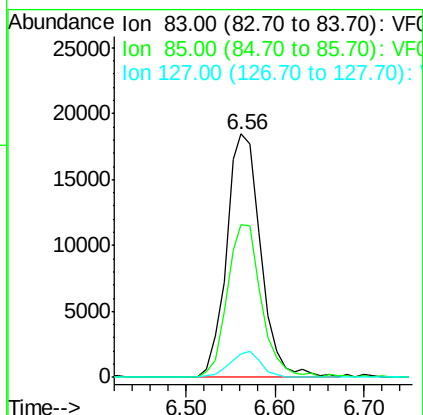
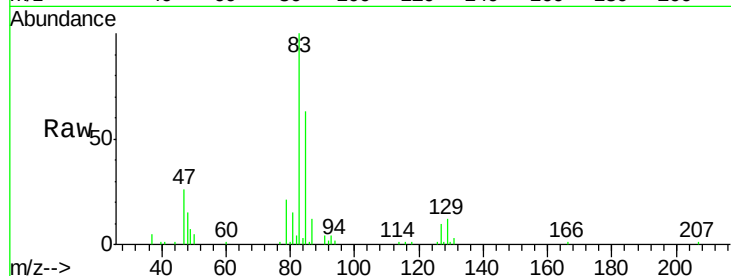
Tot Ion: 83 Resp: 49545

Ion Ratio Lower Upper

83 100

85 62.9 51.5 77.3

127 9.9 7.5 11.3



#48

Methyl methacrylate

Concen: 19.61 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

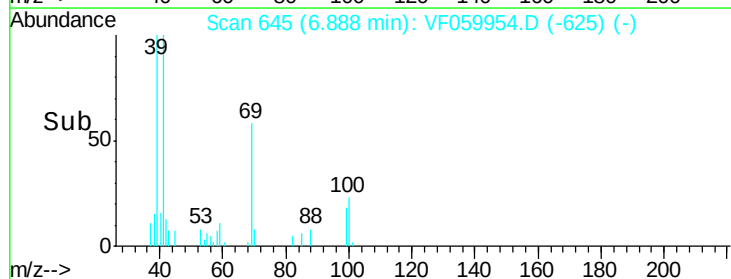
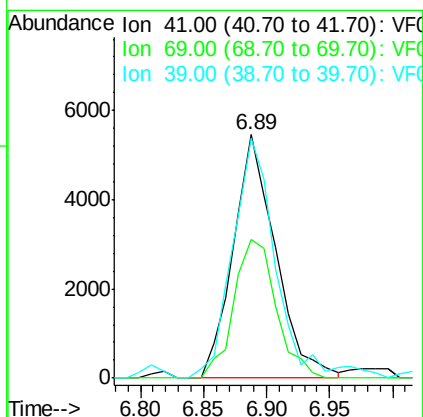
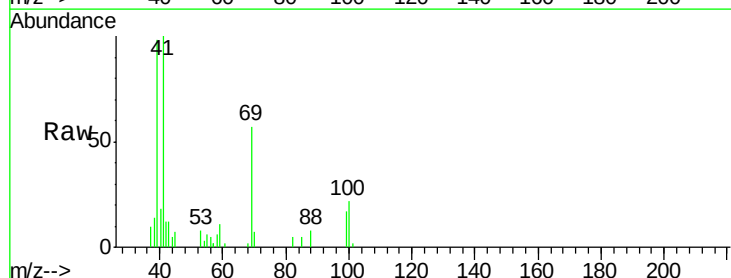
Tgt Ion: 41 Resp: 12716

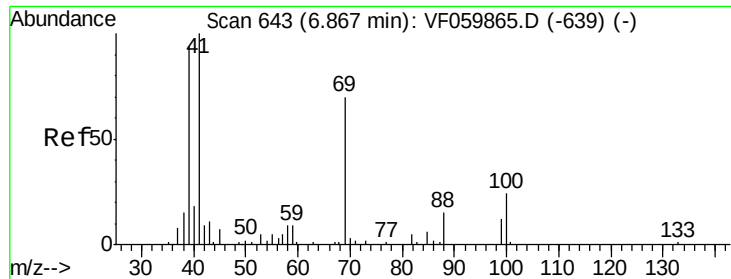
Ion Ratio Lower Upper

41 100

69 56.8 54.8 82.2

39 98.4 75.1 112.7

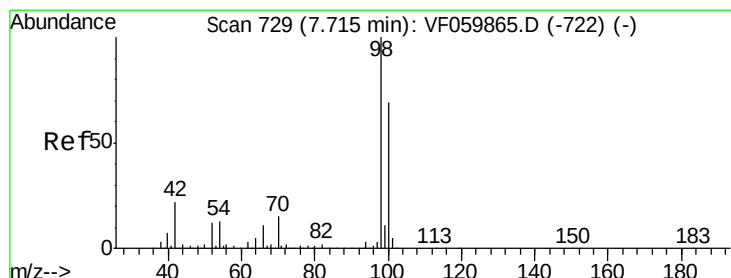
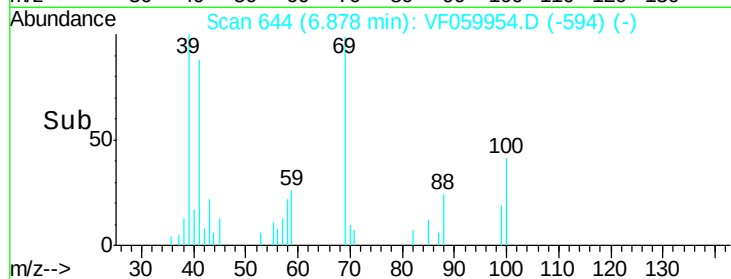
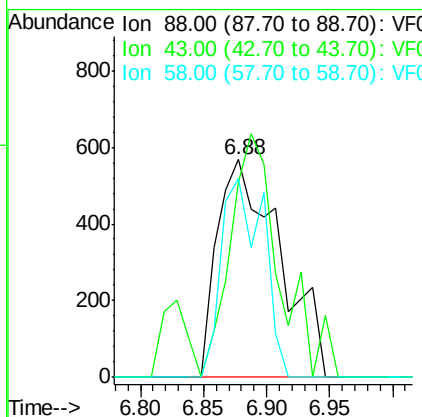
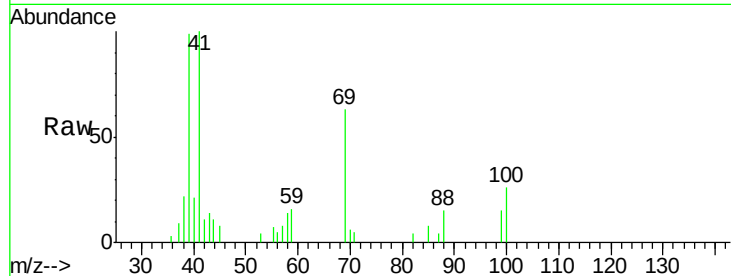




#49
 1,4-Dioxane
 Concen: 427.67 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

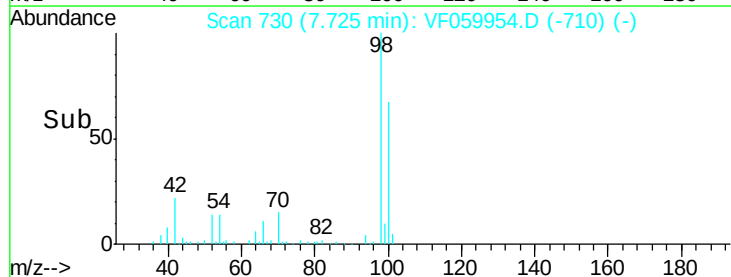
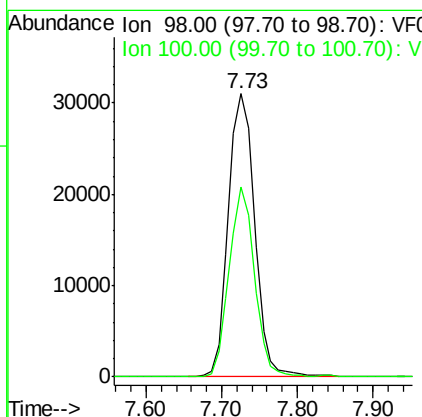
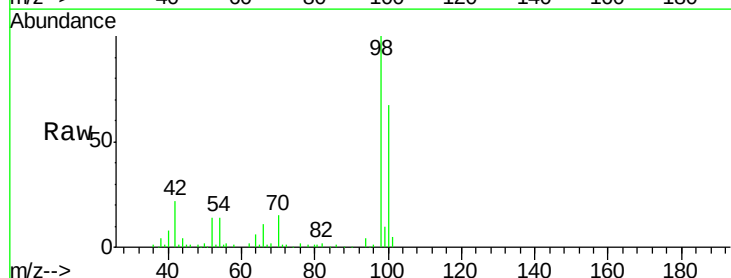
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

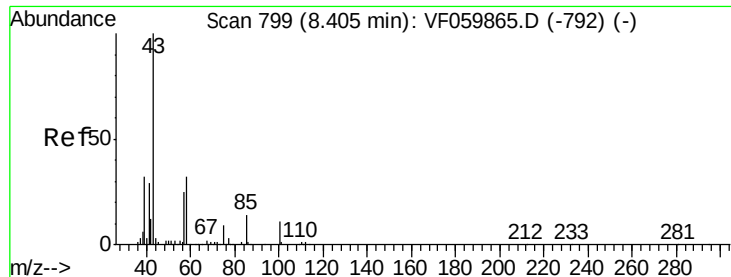
Tot Ion: 88 Resp: 1953
 Ion Ratio Lower Upper
 88 100
 43 89.8 47.9 71.9#
 58 91.4 52.0 78.0#



#50
 Toluene-d8
 Concen: 21.54 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion: 98 Resp: 74831
 Ion Ratio Lower Upper
 98 100
 100 67.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 103.05 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

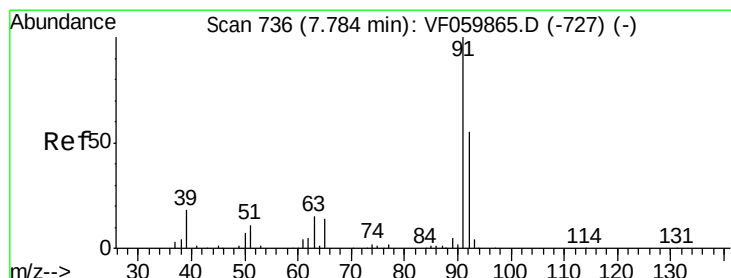
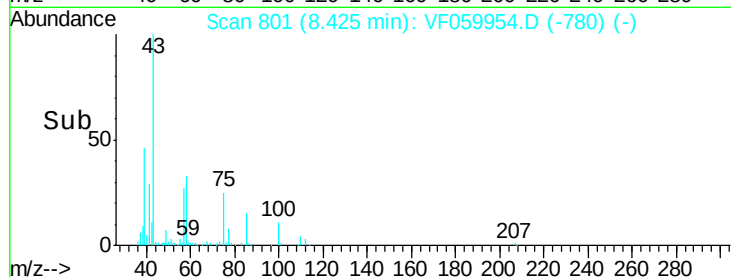
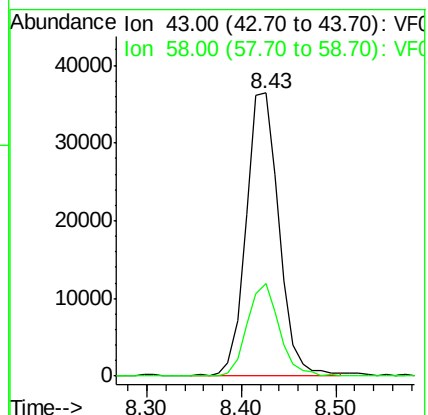
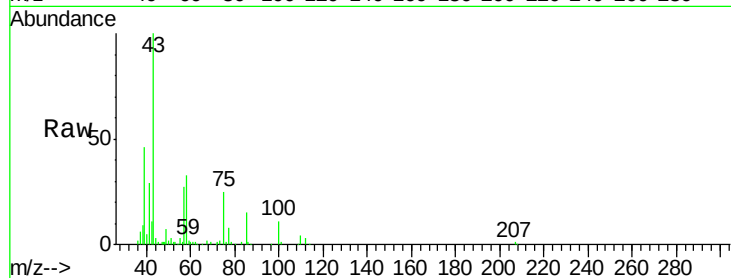
VSTDIC020

Tot Ion: 43 Resp: 87930

Ion Ratio Lower Upper

43 100

58 32.9 24.2 36.4



#52

Toluene

Concen: 20.91 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059954.D

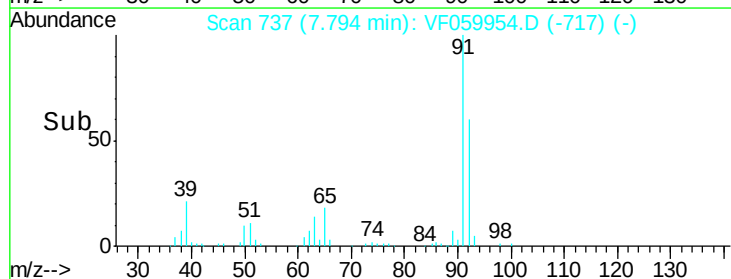
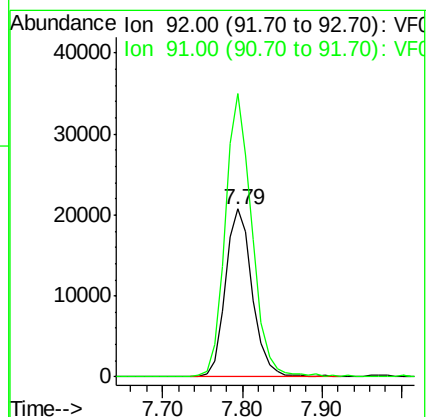
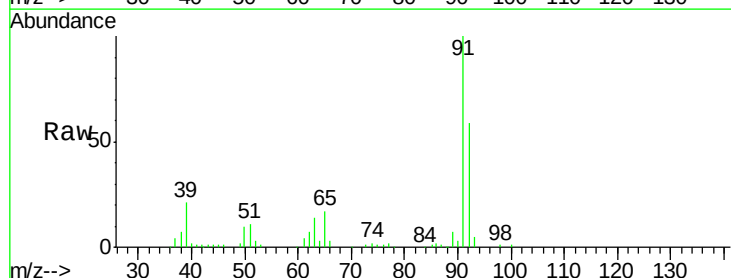
Acq: 14 Aug 2018 19:37

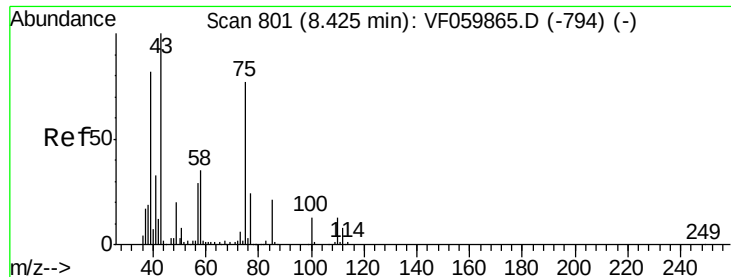
Tgt Ion: 92 Resp: 49371

Ion Ratio Lower Upper

92 100

91 168.9 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 22.54 ug/l

RT: 8.45 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

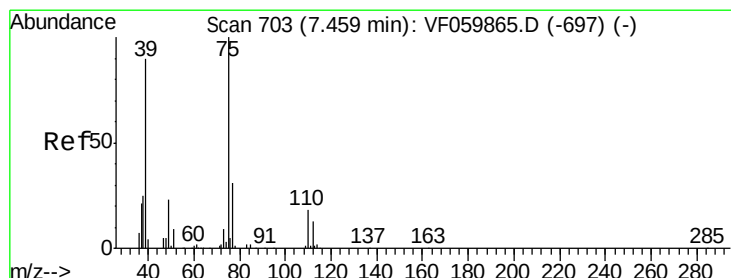
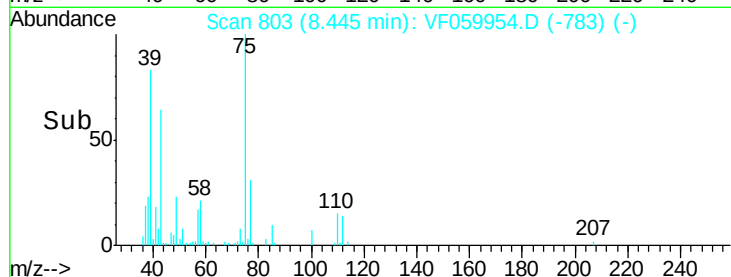
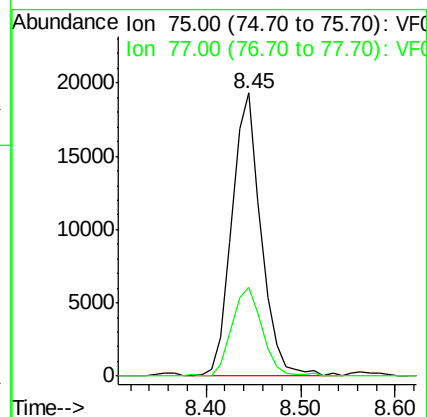
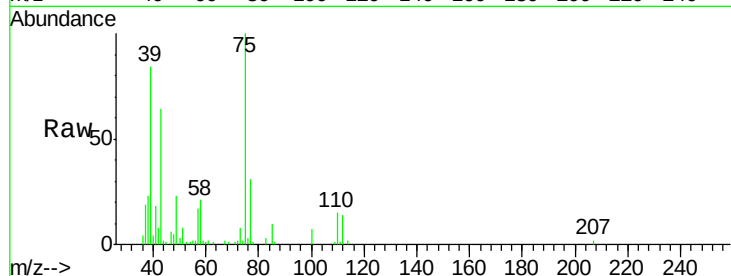
VSTDIC020

Tot Ion: 75 Resp: 41417

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.24 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

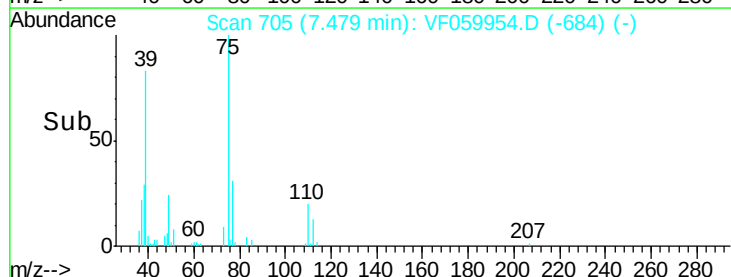
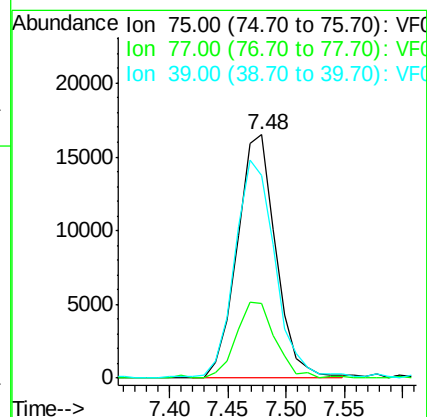
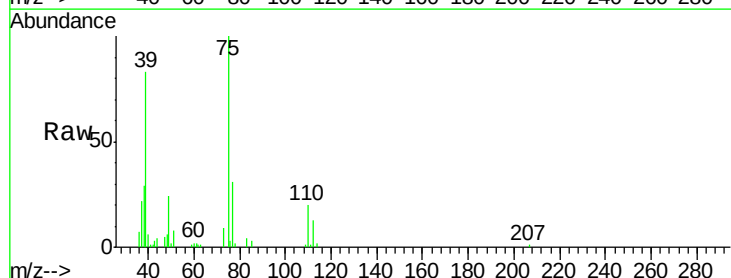
Tgt Ion: 75 Resp: 37997

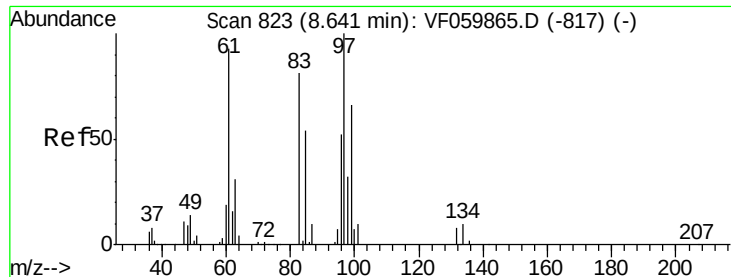
Ion Ratio Lower Upper

75 100

77 30.6 26.1 39.1

39 83.2 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 20.04 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 17022

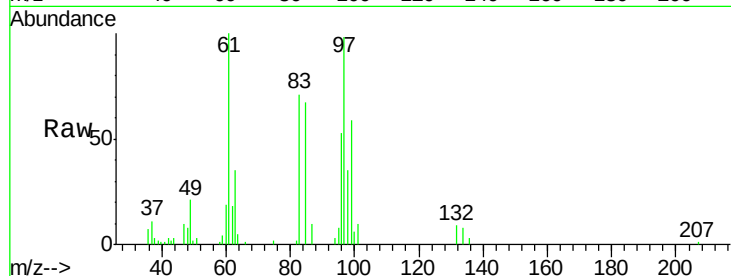
Ion Ratio Lower Upper

97 100

83 72.3 70.0 105.0

85 67.9 45.2 67.8#

99 60.3 49.7 74.5



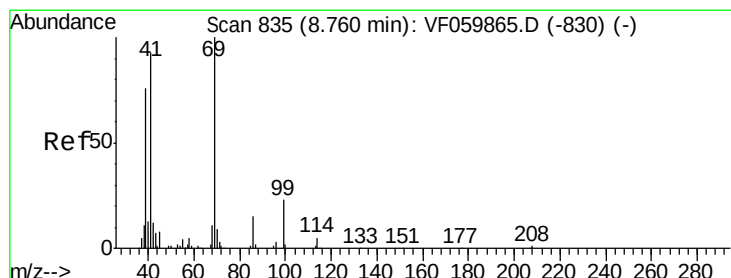
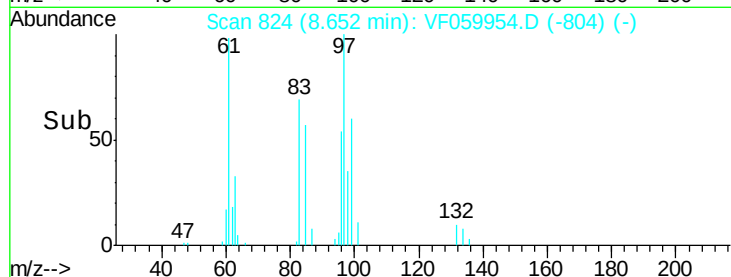
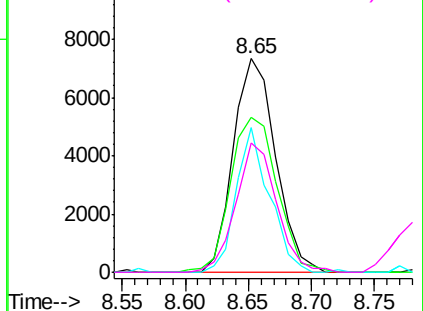
Abundance

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: 19.97 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

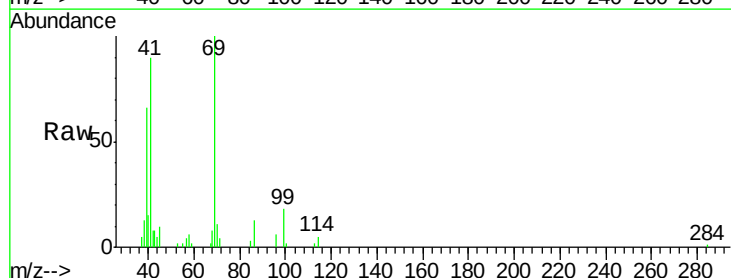
Tgt Ion: 69 Resp: 16501

Ion Ratio Lower Upper

69 100

41 89.7 68.7 103.1

39 65.9 58.5 87.7

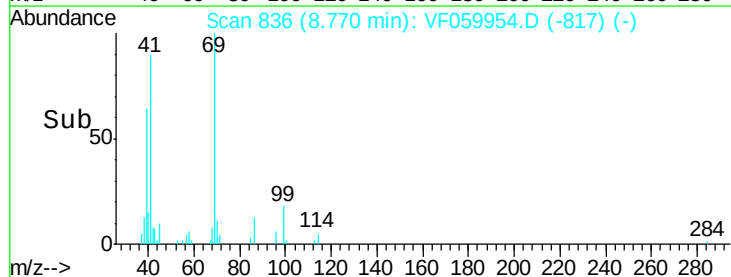
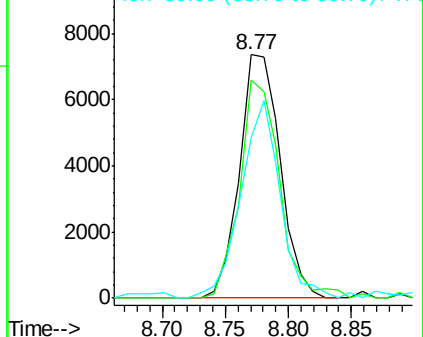


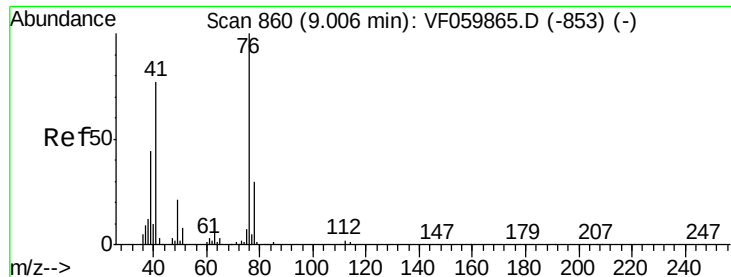
Abundance

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: 21.00 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

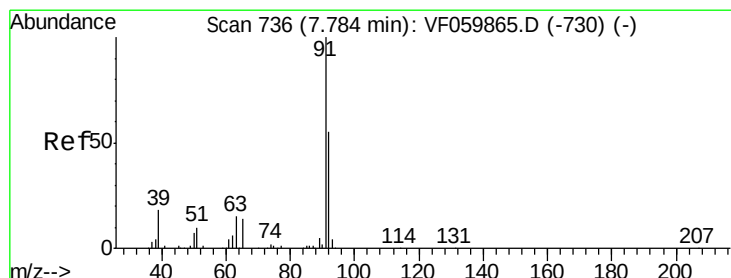
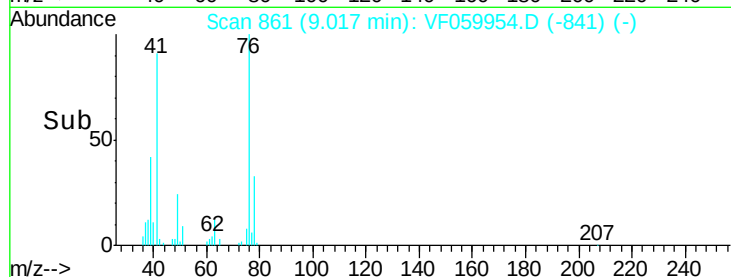
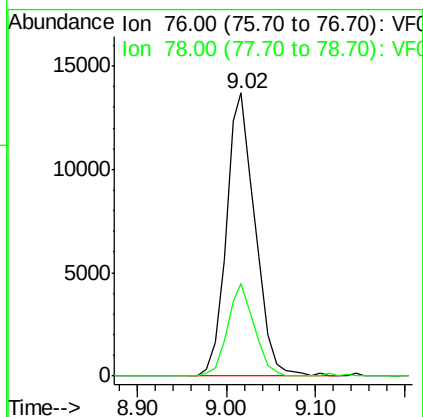
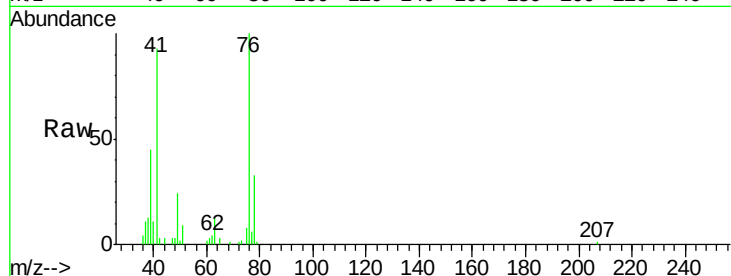
VSTDIC020

Tot Ion: 76 Resp: 30966

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 108.93 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059954.D

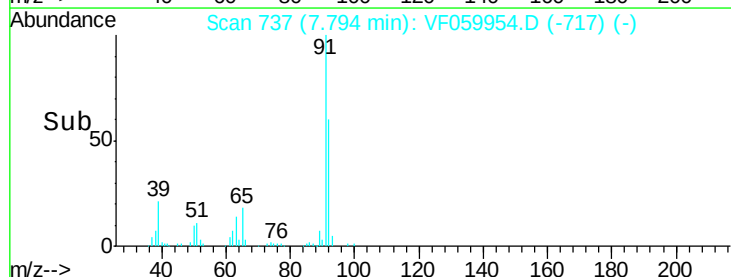
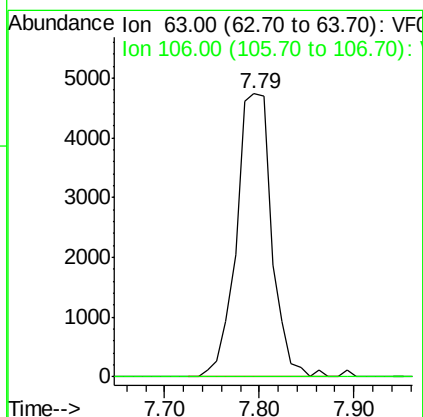
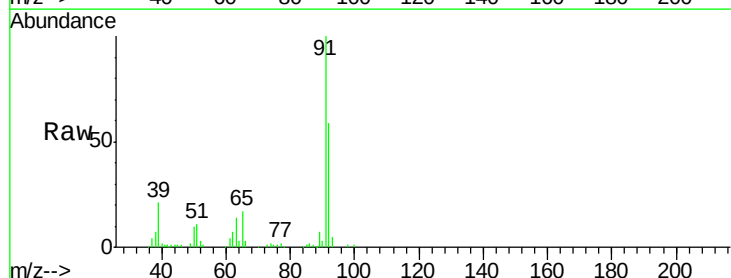
Acq: 14 Aug 2018 19:37

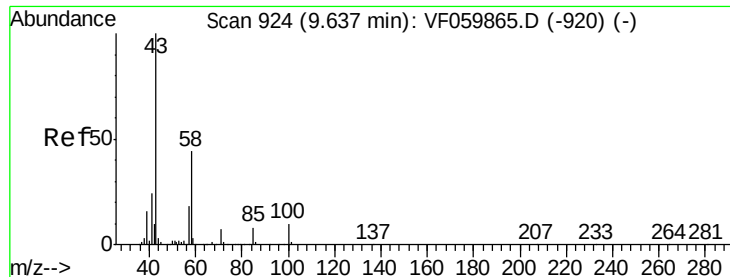
Tgt Ion: 63 Resp: 12239

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

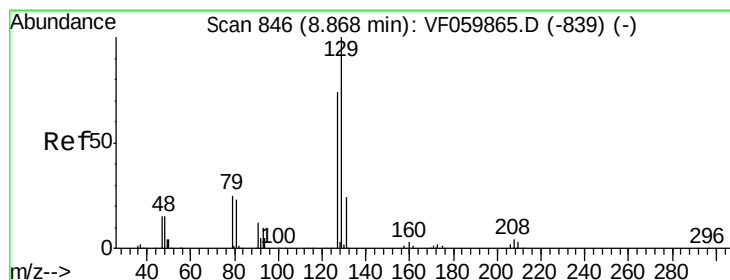
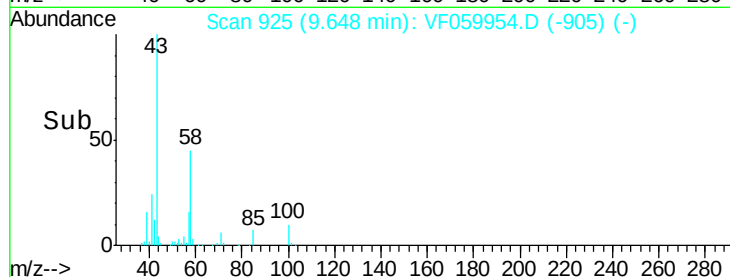
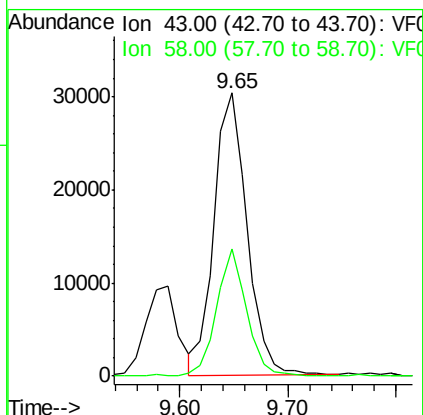
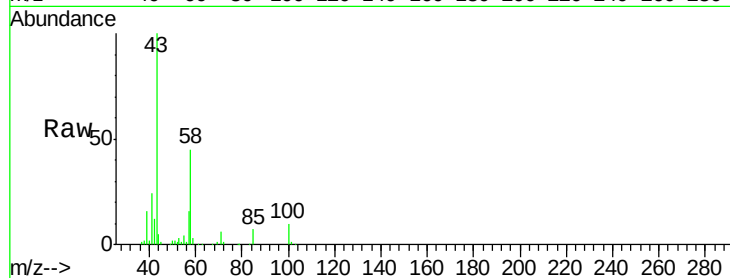




#59
2-Hexanone
Concen: 105.08 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

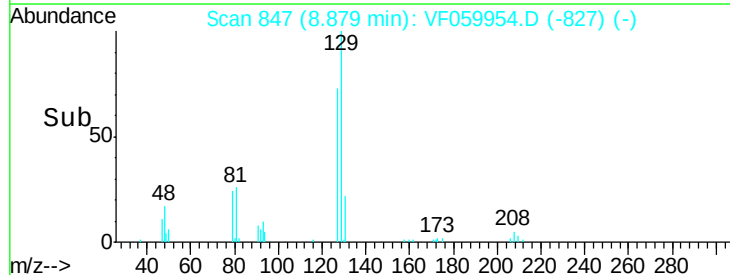
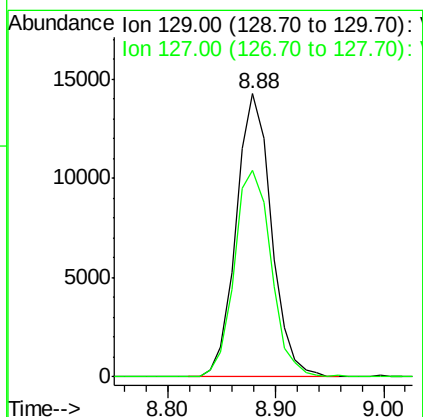
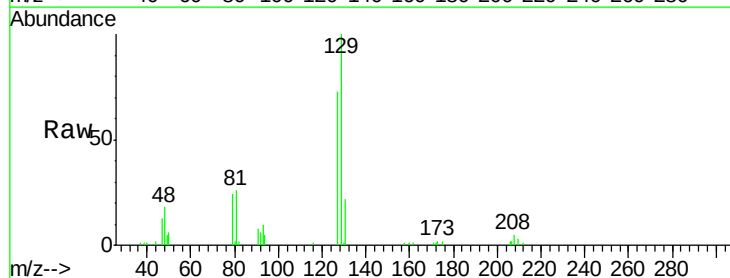
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

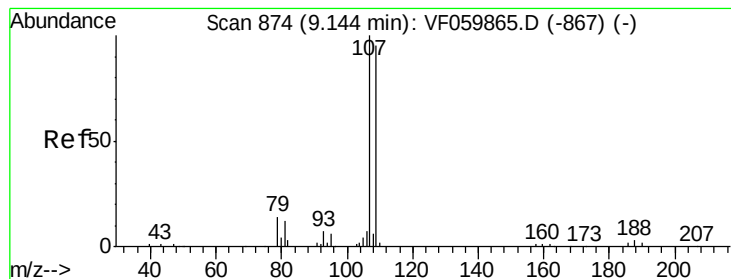
Tot Ion: 43 Resp: 63718
Ion Ratio Lower Upper
43 100
58 44.9 19.4 58.2



#60
Dibromochloromethane
Concen: 20.17 ug/l
RT: 8.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 129 Resp: 32291
Ion Ratio Lower Upper
129 100
127 72.3 40.0 119.9





#61

1,2-Dibromoethane

Concen: 19.59 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

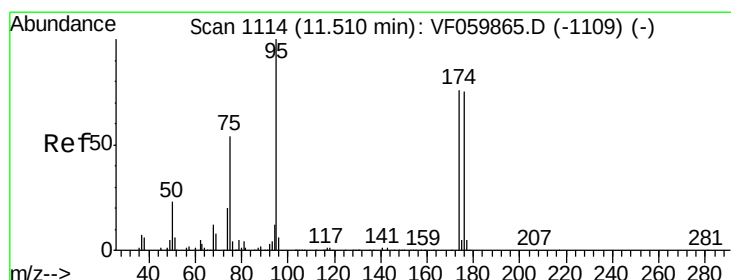
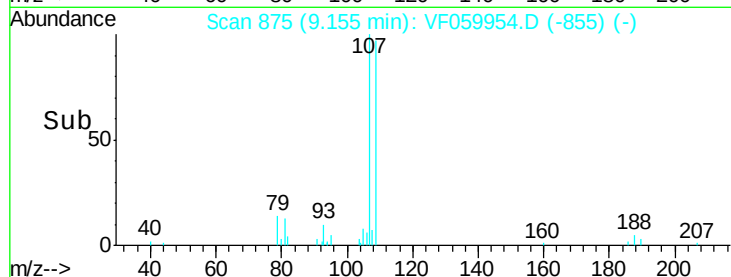
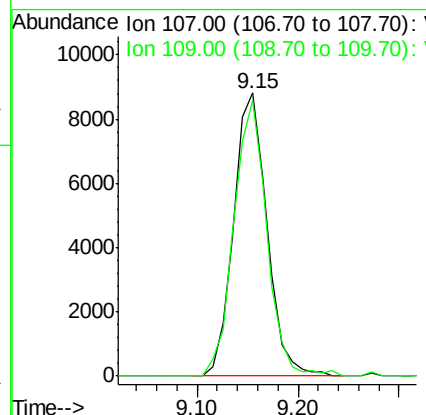
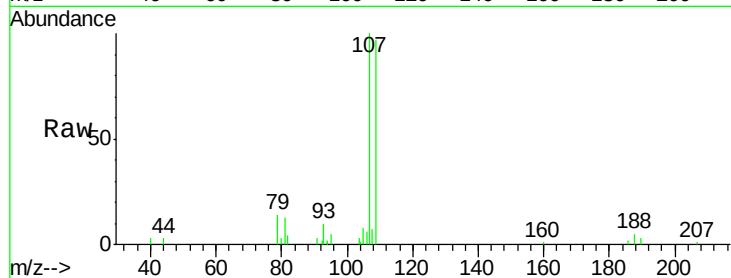
VSTDIC020

Tot Ion:107 Resp: 20270

Ion Ratio Lower Upper

107 100

109 97.4 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 21.93 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

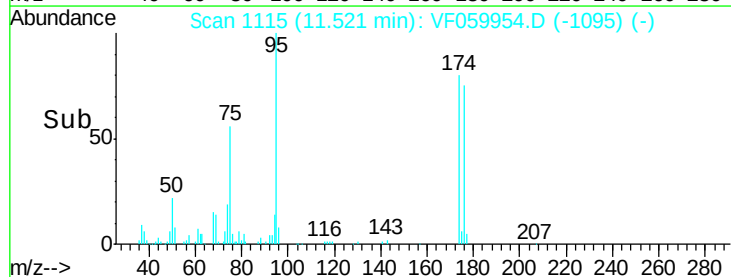
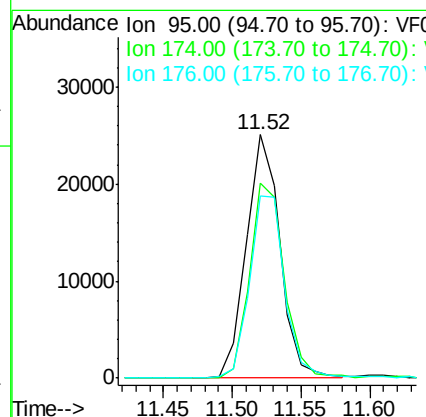
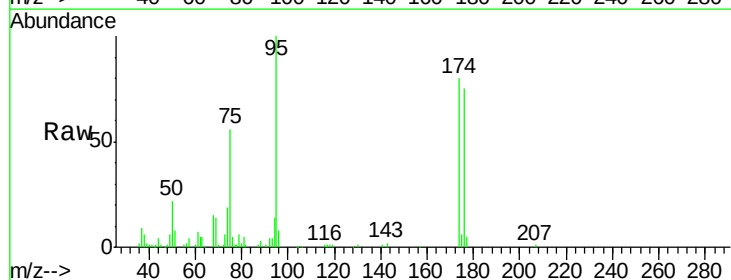
Tgt Ion: 95 Resp: 42865

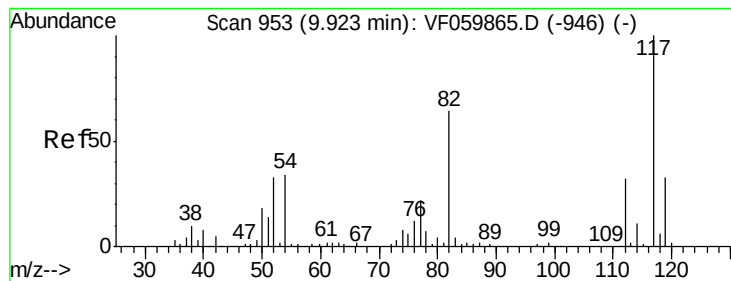
Ion Ratio Lower Upper

95 100

174 80.0 0.0 156.4

176 75.0 0.0 146.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

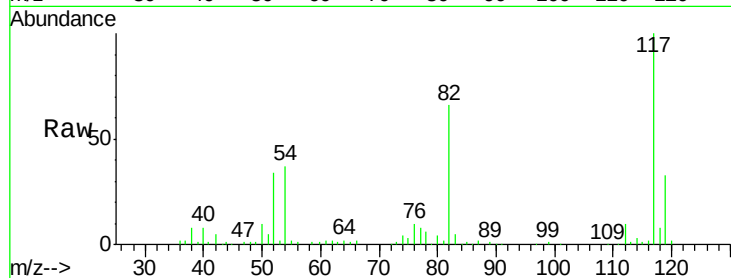
Tot Ion:117 Resp: 164170

Ion Ratio Lower Upper

117 100

82 65.8 48.3 72.5

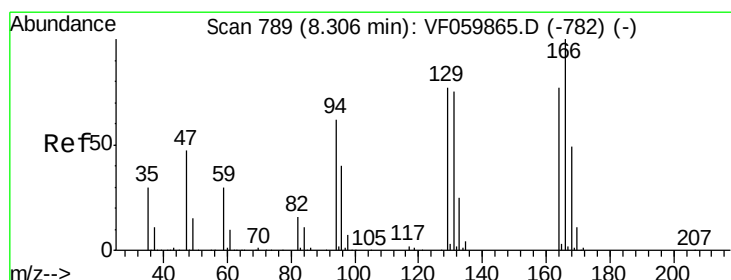
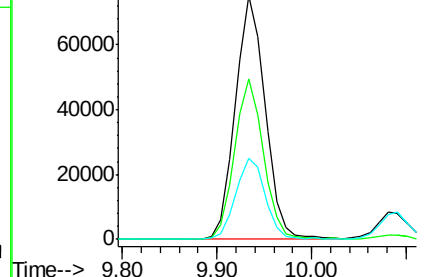
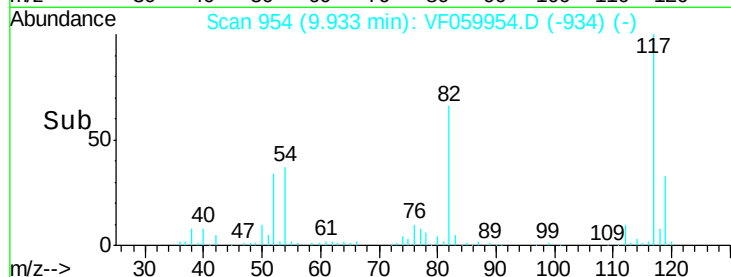
119 33.2 25.7 38.5



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: 19.13 ug/l

RT: 8.33 min Scan# 791

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:164 Resp: 26234

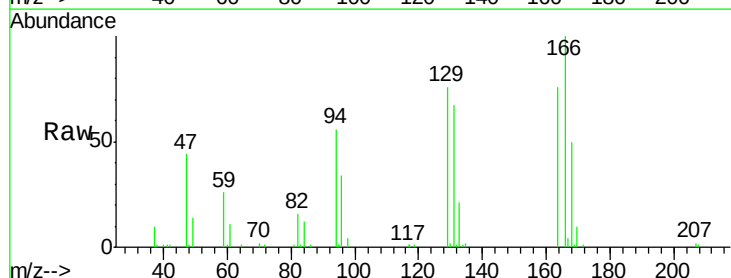
Ion Ratio Lower Upper

164 100

166 131.3 103.4 155.2

129 99.7 82.2 123.4

131 88.3 76.7 115.1

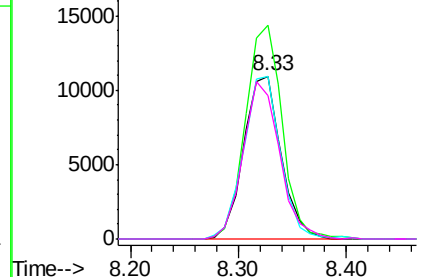
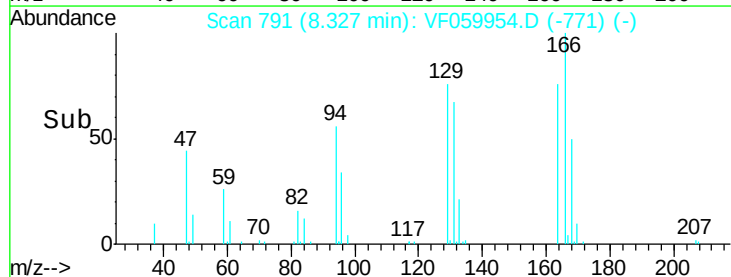


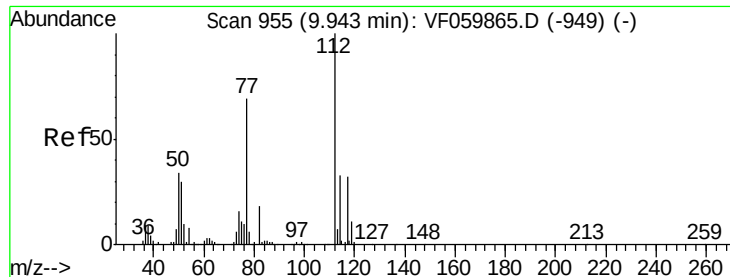
Abundance Ion 163.85 (163.55 to 164.55):

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: 20.36 ug/l

RT: 9.95 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

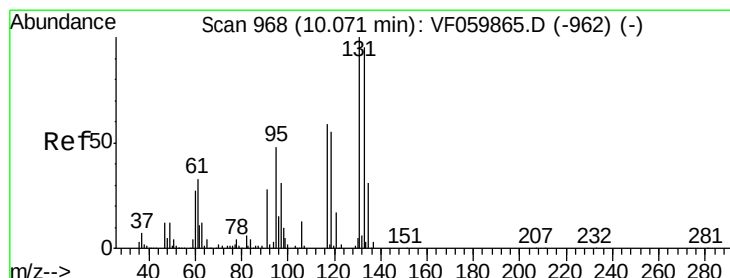
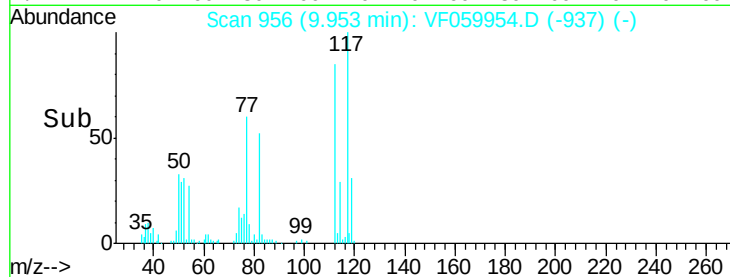
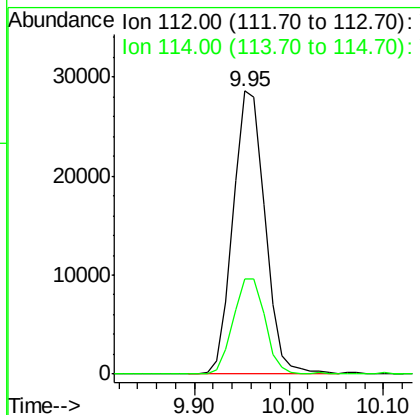
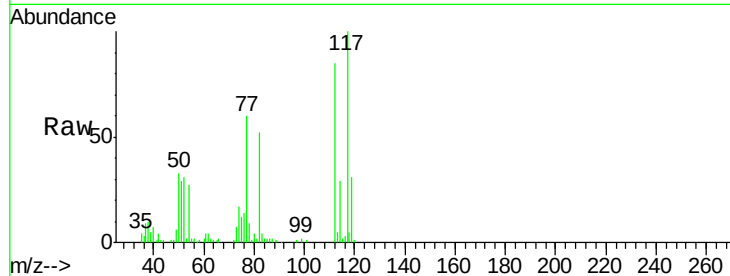
VSTDIC020

Tot Ion:112 Resp: 66947

Ion Ratio Lower Upper

112 100

114 33.6 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.45 ug/l

RT: 10.09 min Scan# 970

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

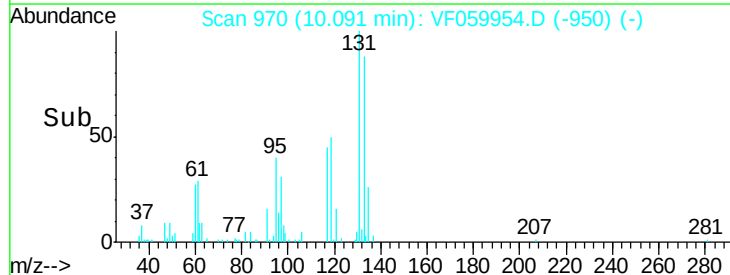
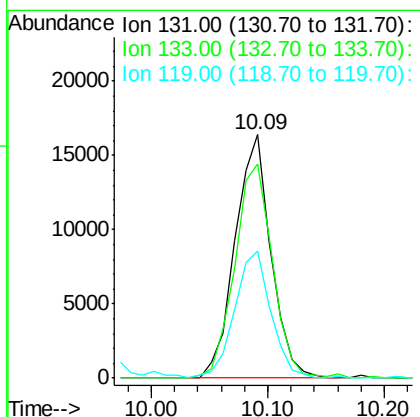
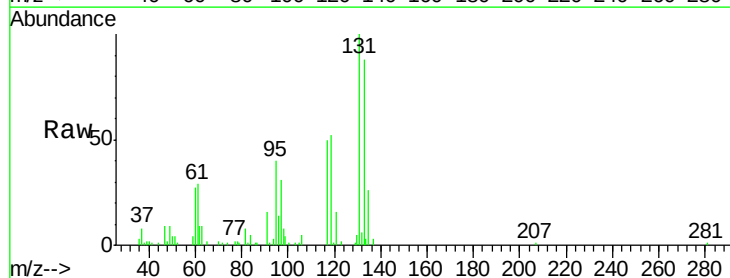
Tgt Ion:131 Resp: 34839

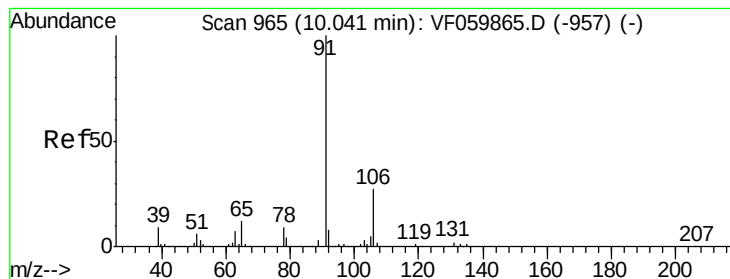
Ion Ratio Lower Upper

131 100

133 87.8 46.4 139.1

119 52.2 27.2 81.5





#67

Ethyl Benzene

Concen: 21.09 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

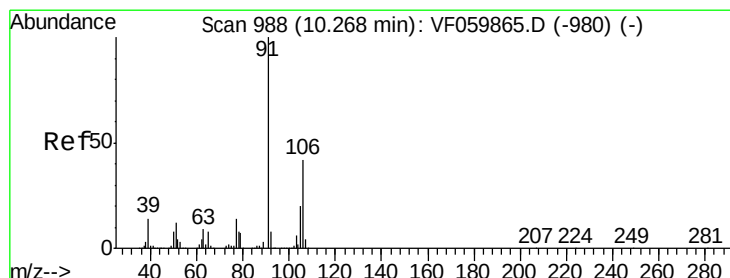
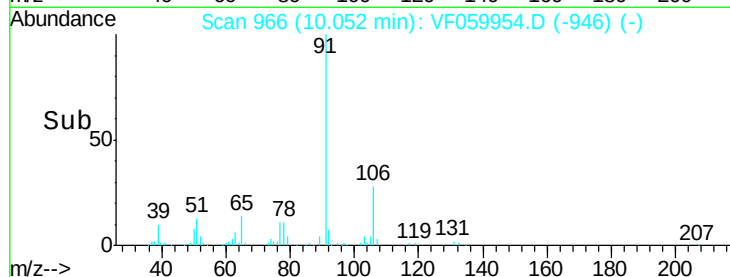
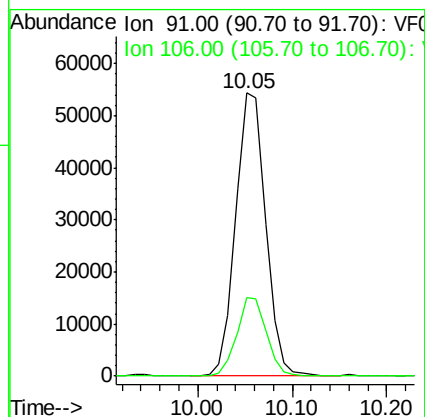
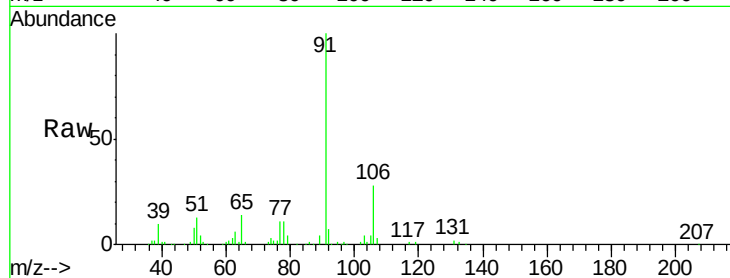
VSTDIC020

Tot Ion: 91 Resp: 120023

Ion Ratio Lower Upper

91 100

106 27.9 20.7 31.1



#68

m/p-Xylenes

Concen: 41.16 ug/l

RT: 10.29 min Scan# 990

Delta R.T. -0.00 min

Lab File: VF059954.D

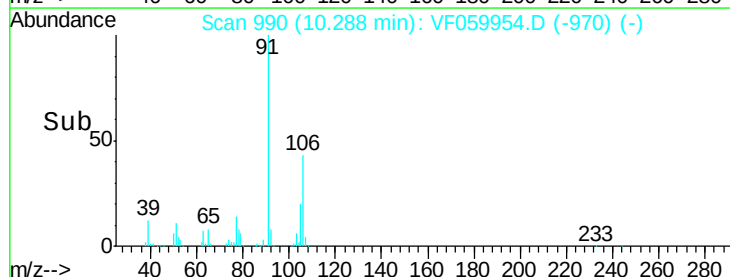
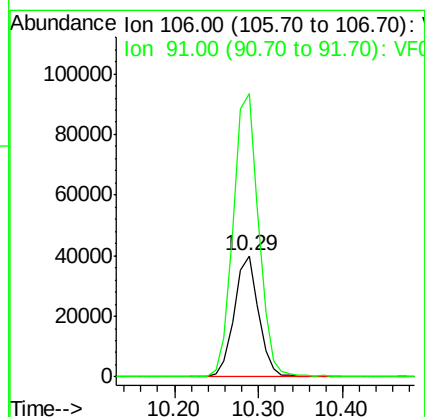
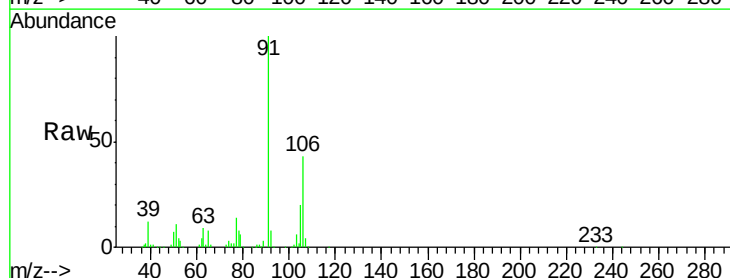
Acq: 14 Aug 2018 19:37

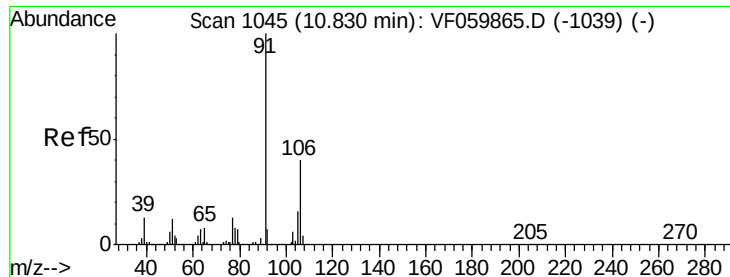
Tgt Ion: 106 Resp: 81027

Ion Ratio Lower Upper

106 100

91 233.2 191.8 287.8

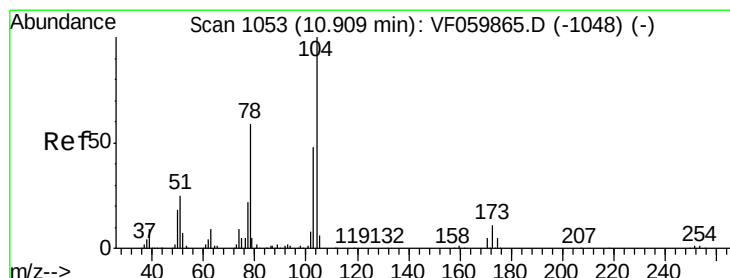
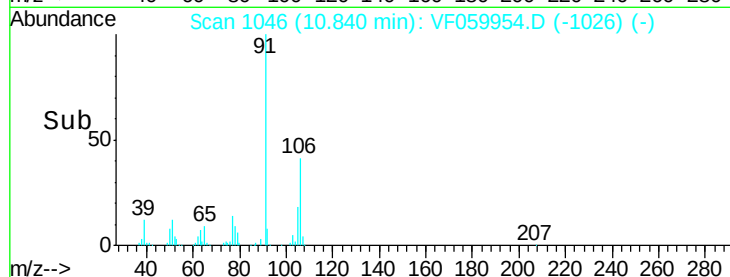
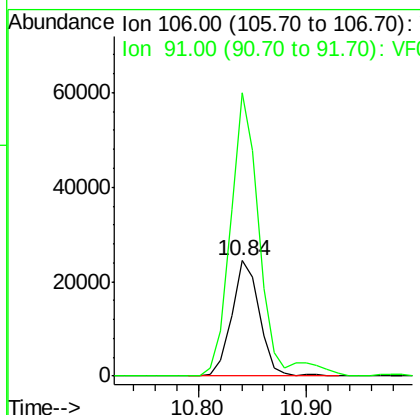
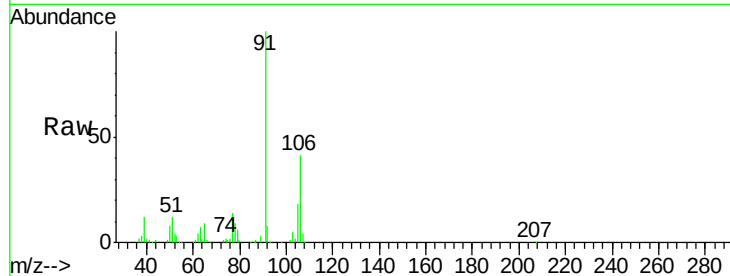




#69
o-Xylene
Concen: 21.11 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

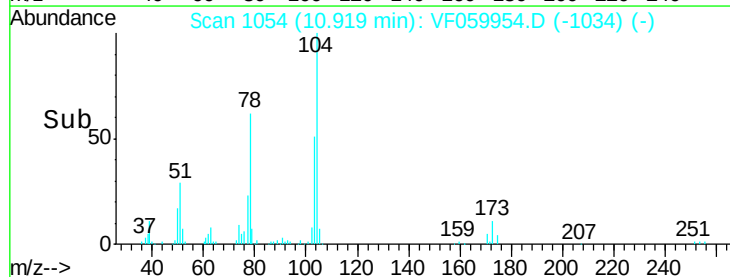
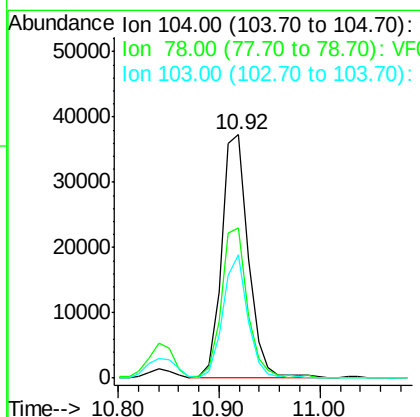
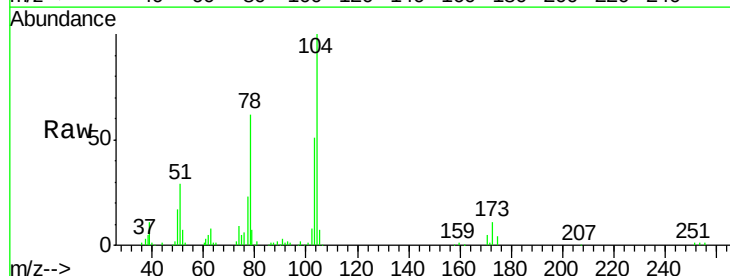
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

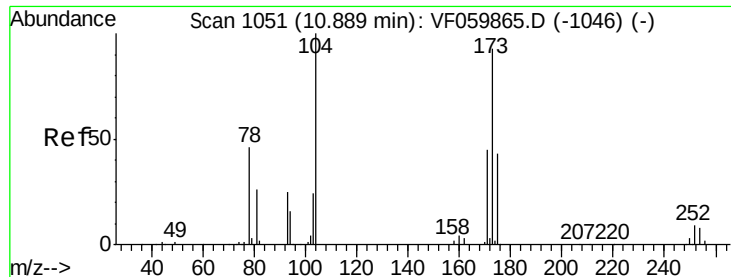
Tot Ion:106 Resp: 43599
Ion Ratio Lower Upper
106 100
91 245.0 126.8 380.6



#70
Styrene
Concen: 22.09 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion:104 Resp: 68876
Ion Ratio Lower Upper
104 100
78 61.8 49.2 73.8
103 50.6 37.4 56.0

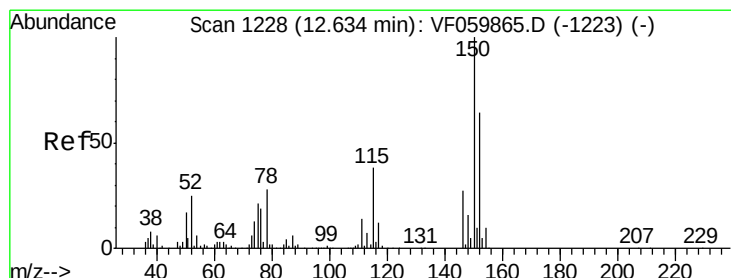
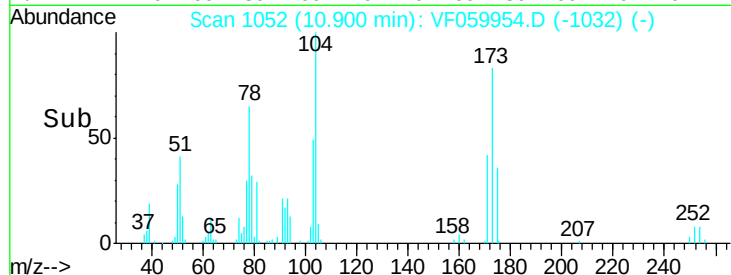
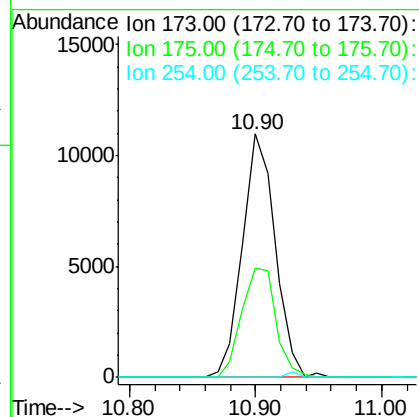
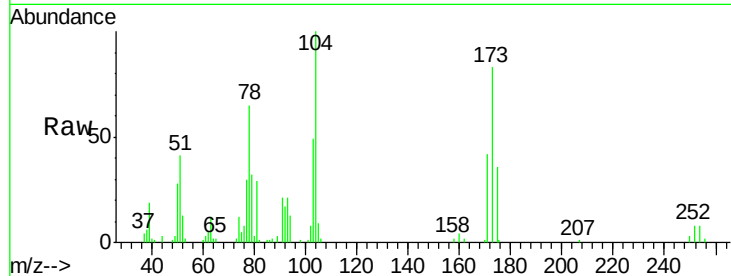




#71
Bromoform
Concen: 19.73 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

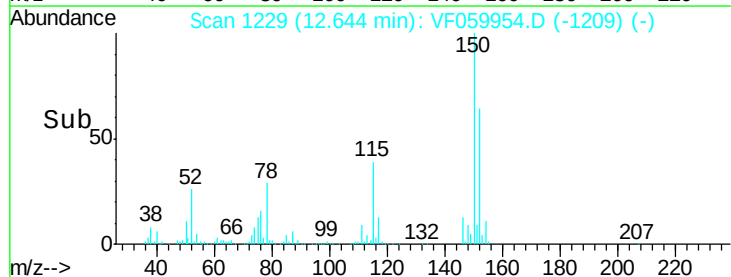
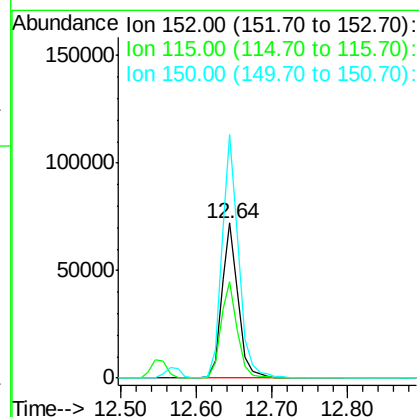
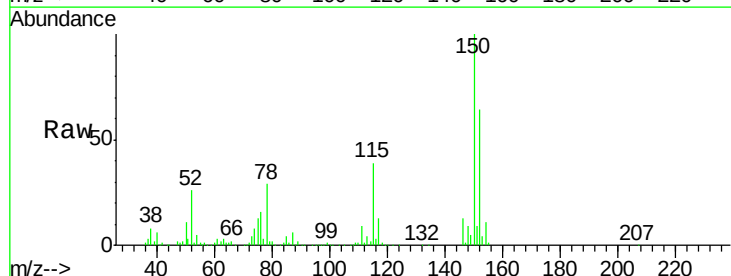
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

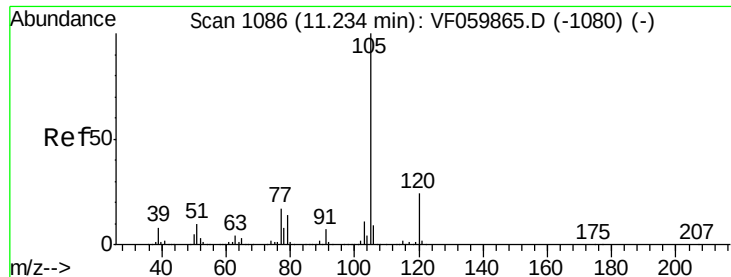
Tot Ion:173 Resp: 19770
Ion Ratio Lower Upper
173 100
175 45.0 24.6 73.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion:152 Resp: 108944
Ion Ratio Lower Upper
152 100
115 62.1 31.4 94.0
150 157.4 0.0 326.2





#73

Isopropylbenzene

Concen: 22.28 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

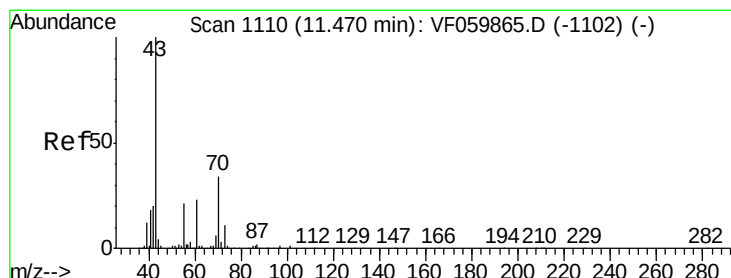
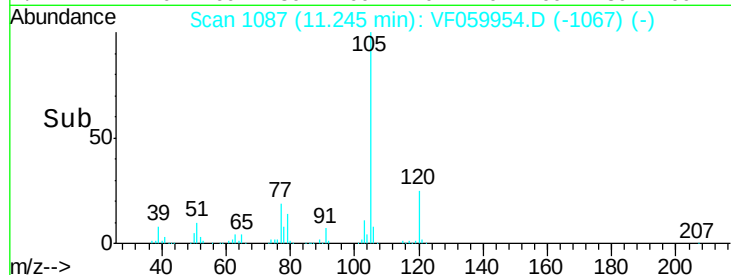
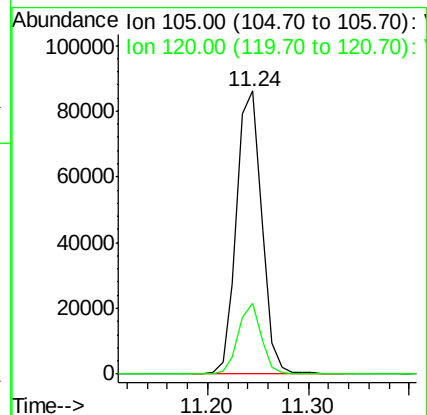
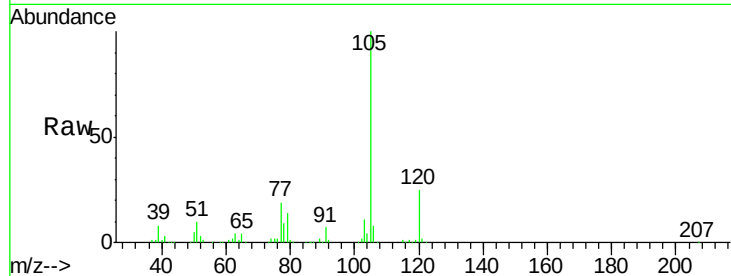
VSTDIC020

Tot Ion:105 Resp: 150224

Ion Ratio Lower Upper

105 100

120 25.2 11.9 35.9



#74

N-ethyl acetate

Concen: 20.62 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion: 43 Resp: 31478

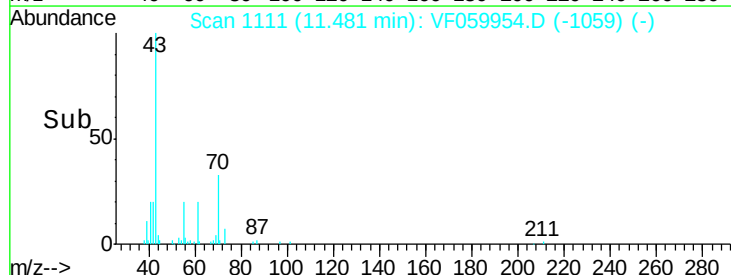
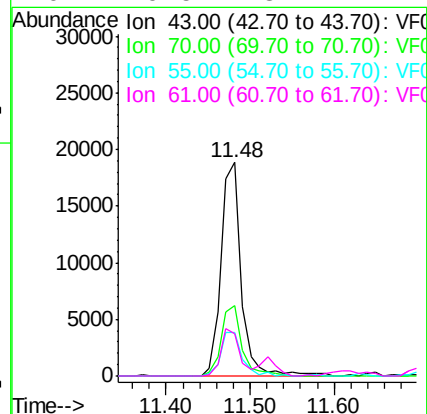
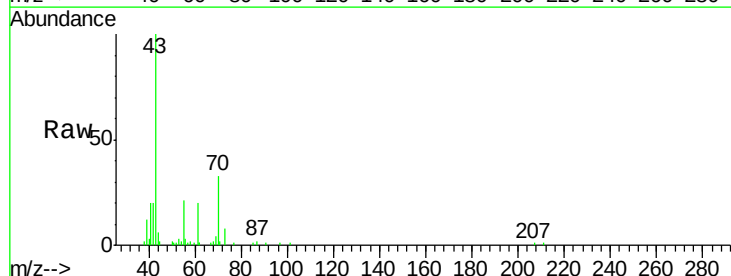
Ion Ratio Lower Upper

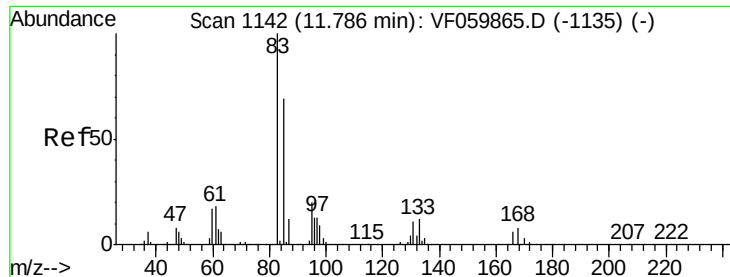
43 100

70 32.9 26.9 40.3

55 20.6 16.9 25.3

61 19.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.67 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

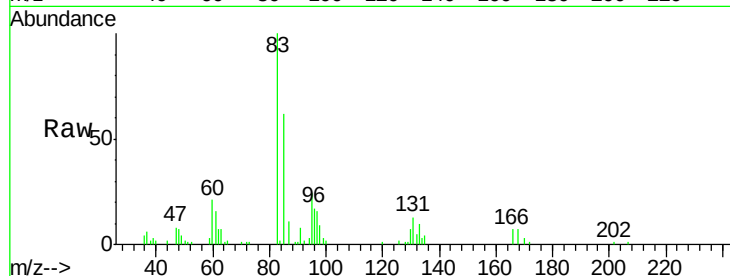
Tot Ion: 83 Resp: 23461

Ion Ratio Lower Upper

83 100

131 13.3 6.3 19.1

85 62.2 33.9 101.7

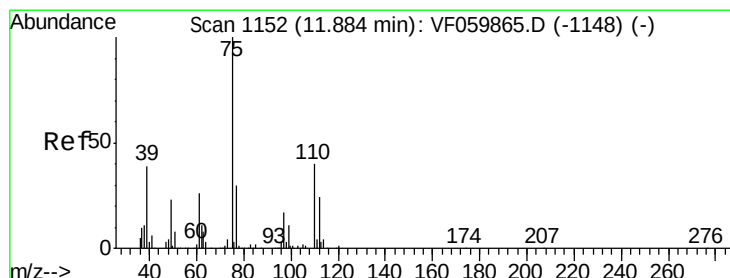
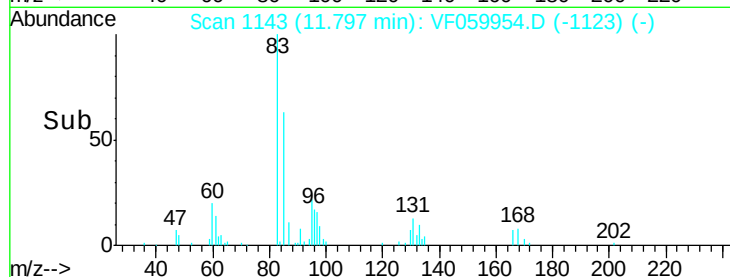


Abundance Ion 83.00 (82.70 to 83.70): VF059865.D (-1135) (-)

Ion 131.00 (130.70 to 131.70): VF059865.D (-1135) (-)

Ion 85.00 (84.70 to 85.70): VF059865.D (-1135) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.82 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF059954.D

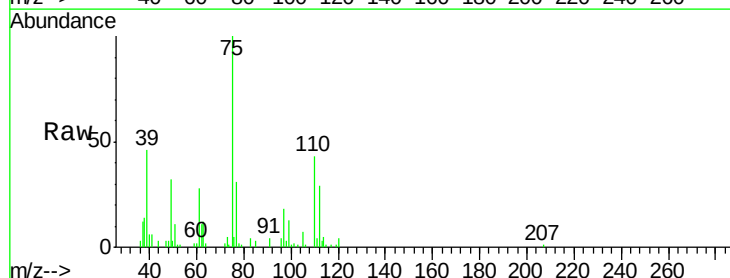
Acq: 14 Aug 2018 19:37

Tgt Ion: 75 Resp: 20414

Ion Ratio Lower Upper

75 100

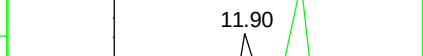
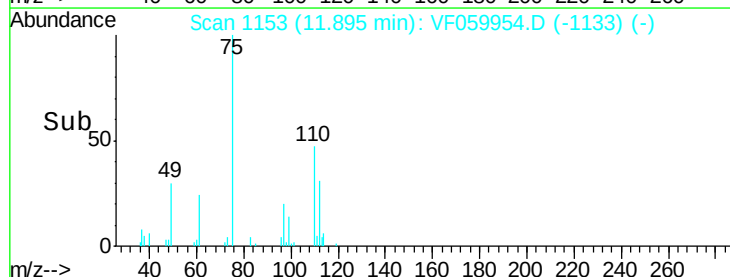
77 30.9 16.6 49.7

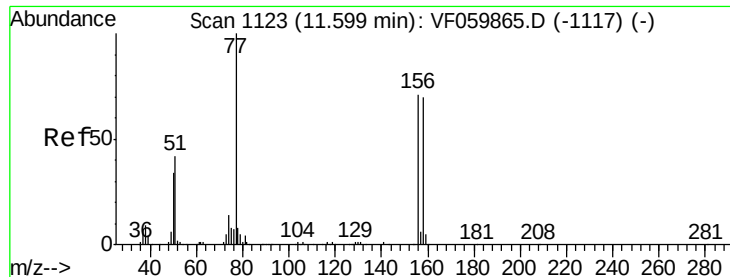


Abundance Ion 75.00 (74.70 to 75.70): VF059865.D (-1148) (-)

Ion 77.00 (76.70 to 77.70): VF059865.D (-1148) (-)

Time-->





#77

Bromobenzene

Concen: 20.71 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

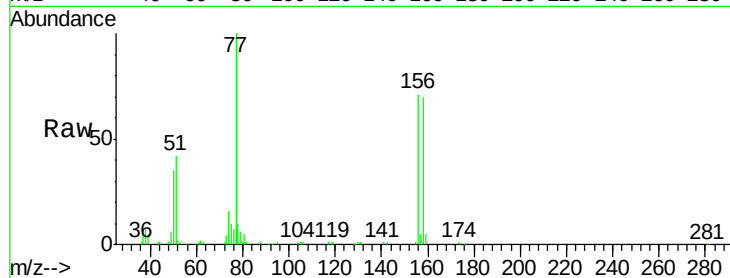
Tot Ion:156 Resp: 38077

Ion Ratio Lower Upper

156 100

77 141.5 67.8 203.2

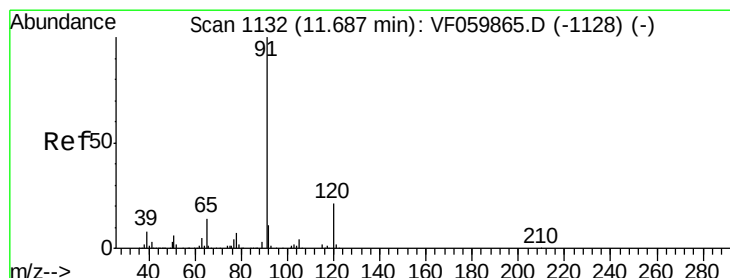
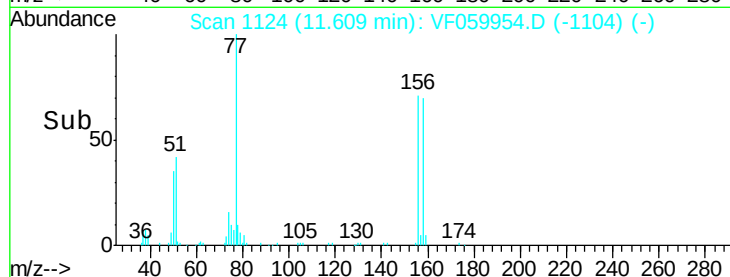
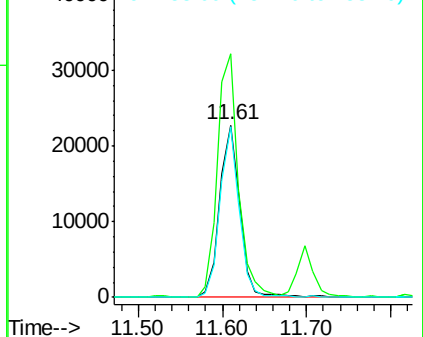
158 99.5 51.7 155.2



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: 21.75 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059954.D

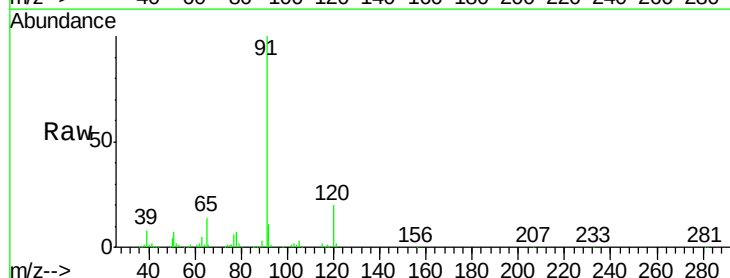
Acq: 14 Aug 2018 19:37

Tgt Ion: 91 Resp: 173462

Ion Ratio Lower Upper

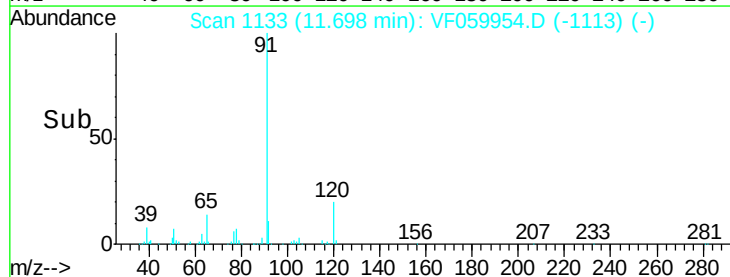
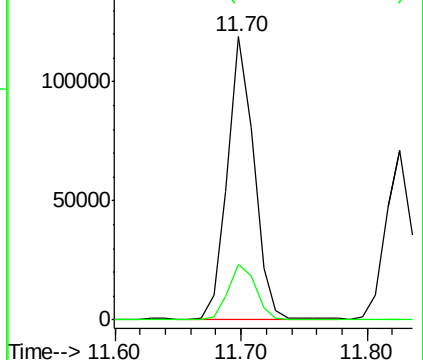
91 100

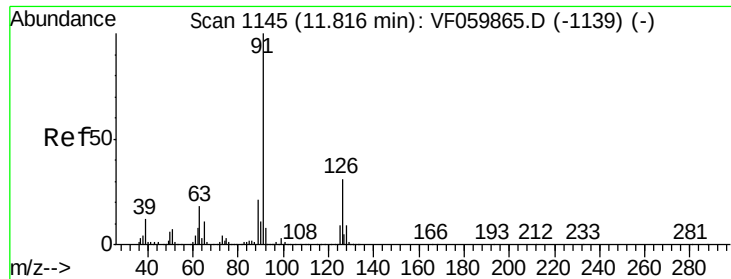
120 19.7 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 20.74 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

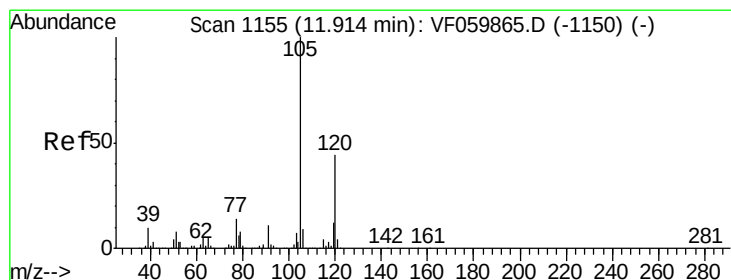
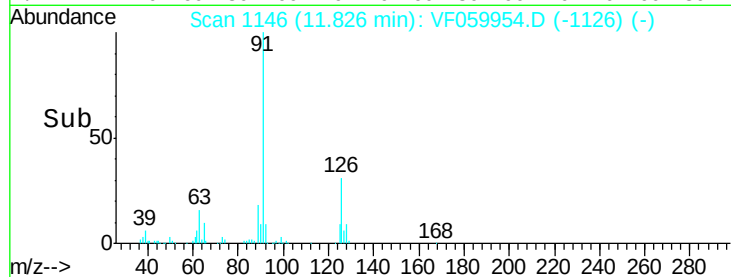
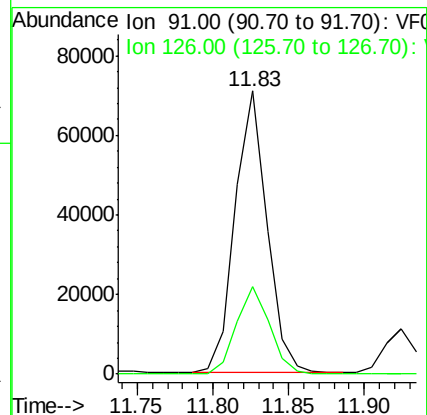
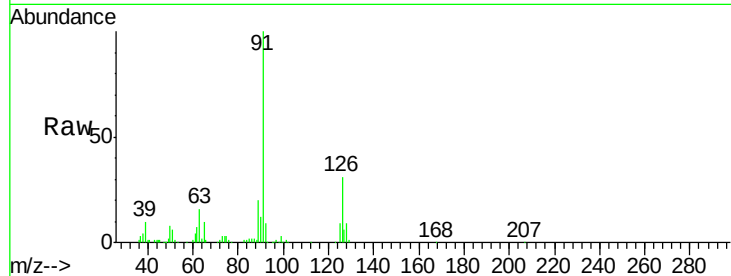
VSTDIC020

Tot Ion: 91 Resp: 104116

Ion Ratio Lower Upper

91 100

126 31.1 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 21.73 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059954.D

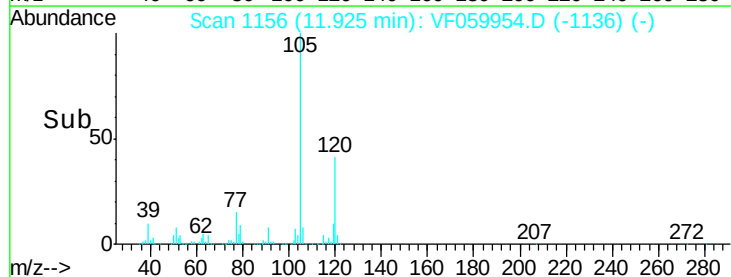
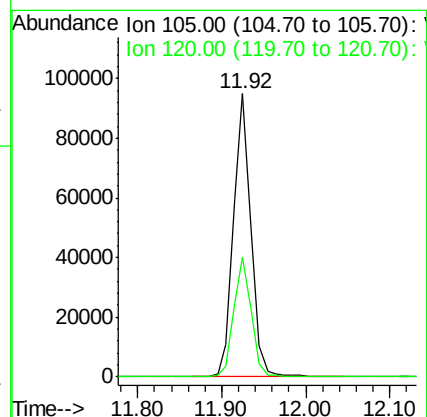
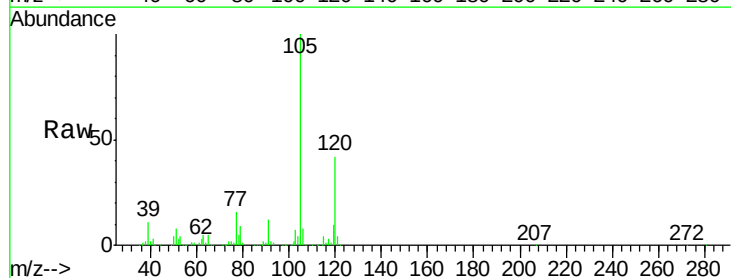
Acq: 14 Aug 2018 19:37

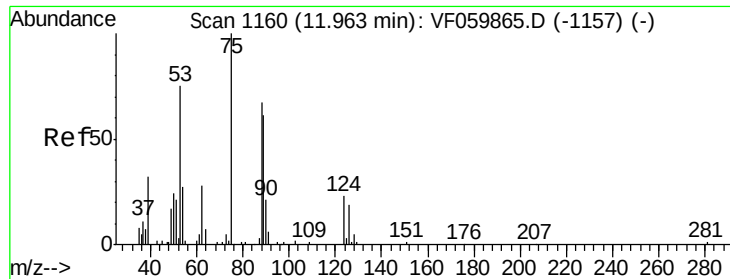
Tgt Ion: 105 Resp: 135956

Ion Ratio Lower Upper

105 100

120 42.2 21.1 63.3

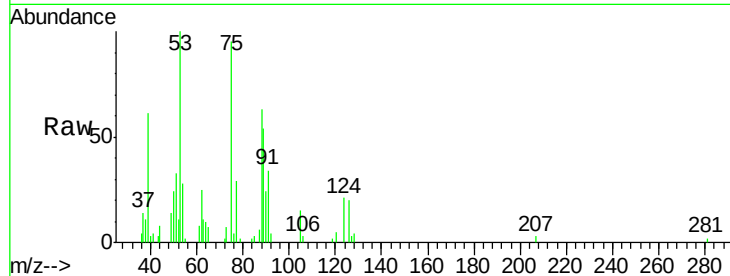




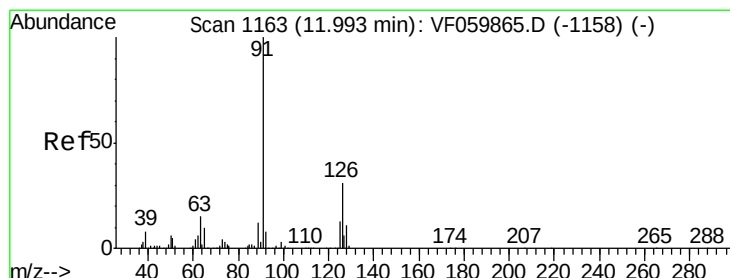
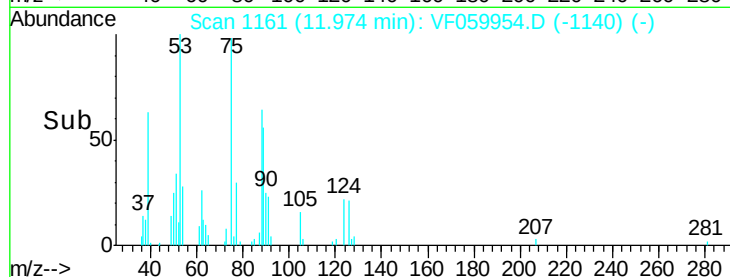
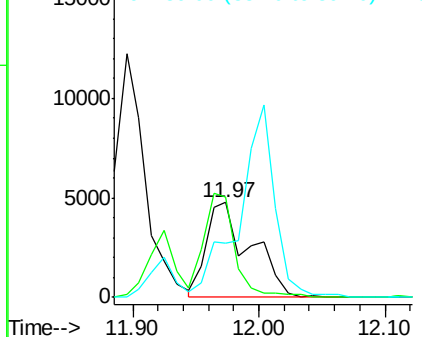
#81
trans-1,4-Dichloro-2-butene
Concen: 27.10 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 11682
Ion Ratio Lower Upper
75 100
53 105.5 97.1 145.7
89 57.0 43.6 65.4

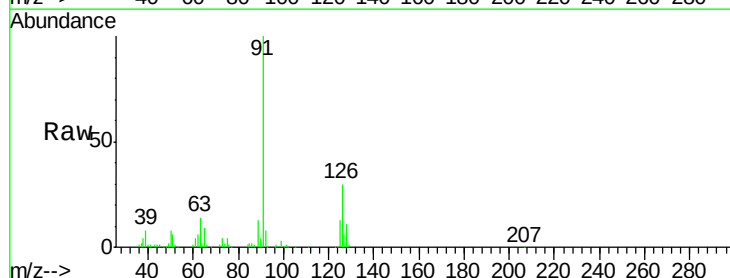


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

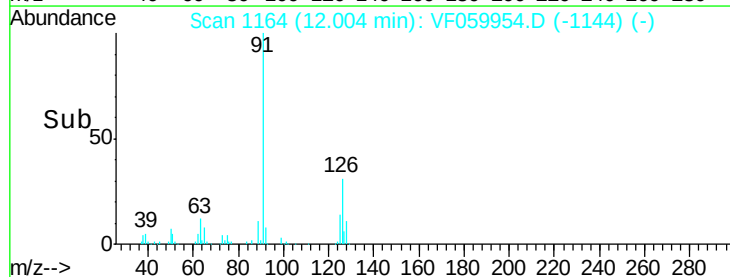
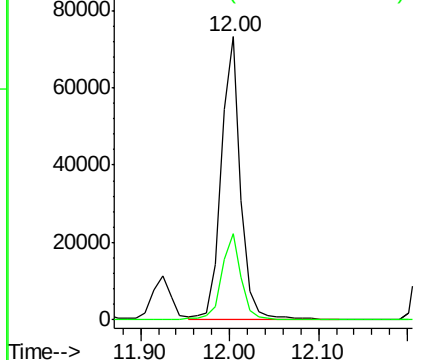


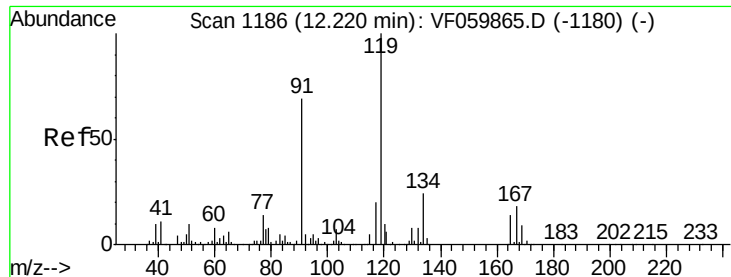
#82
4-Chlorotoluene
Concen: 20.11 ug/l
RT: 12.00 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 91 Resp: 110975
Ion Ratio Lower Upper
91 100
126 30.4 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): VF0

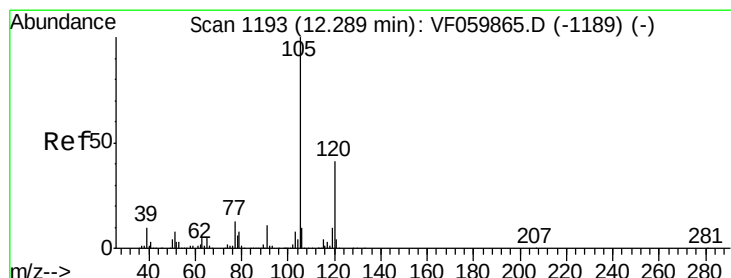
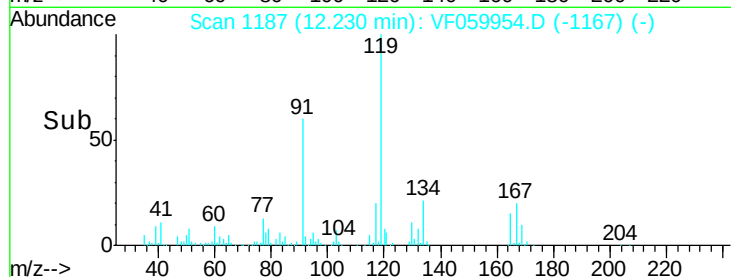
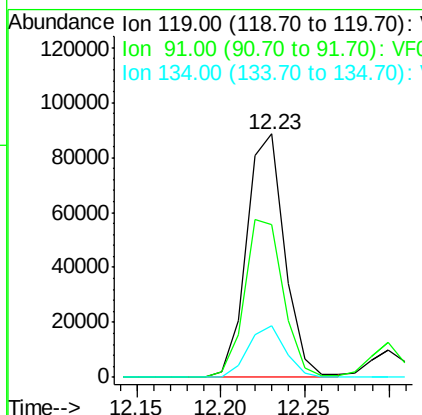
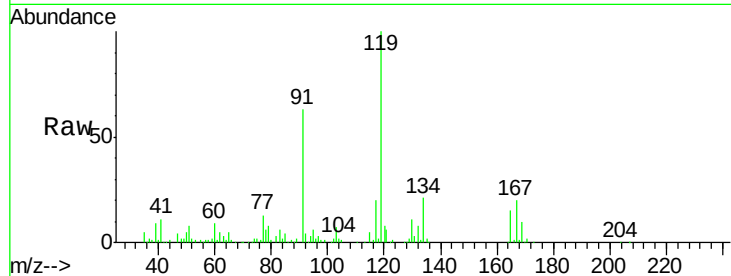




#83
 tert-Butylbenzene
 Concen: 22.70 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

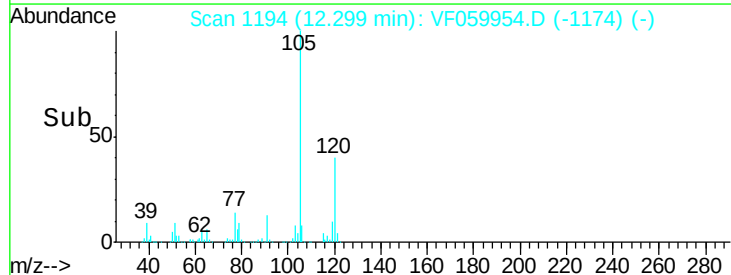
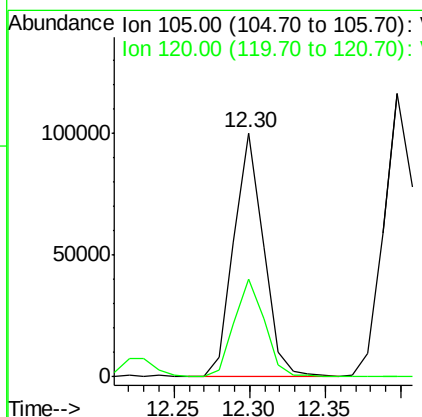
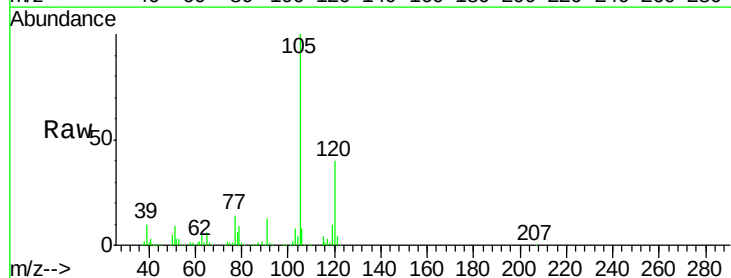
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

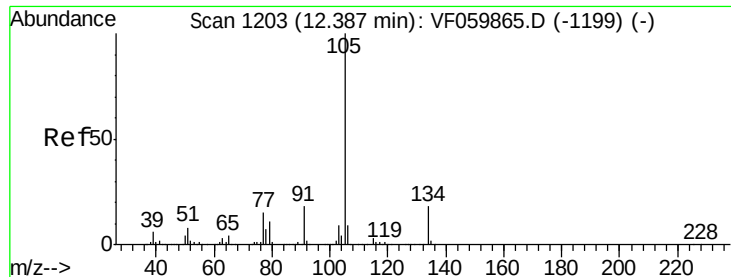
Tot Ion:119 Resp: 139144
 Ion Ratio Lower Upper
 119 100
 91 62.7 32.6 98.0
 134 21.4 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.15 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion:105 Resp: 137201
 Ion Ratio Lower Upper
 105 100
 120 40.3 20.6 61.9





#85

sec-Butylbenzene

Concen: 20.89 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampled :

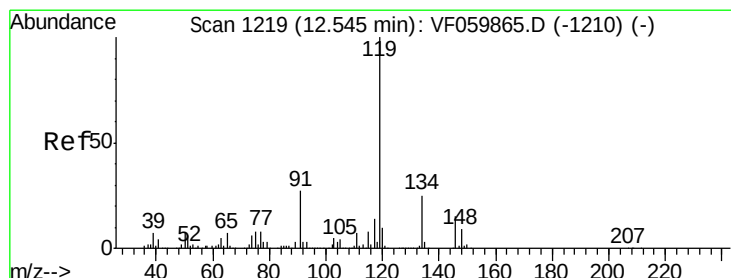
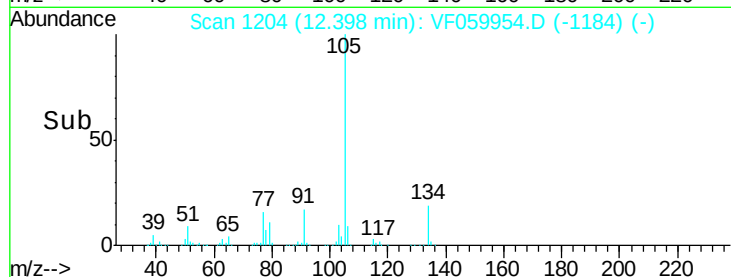
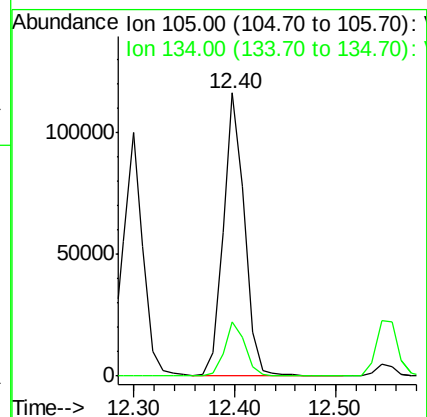
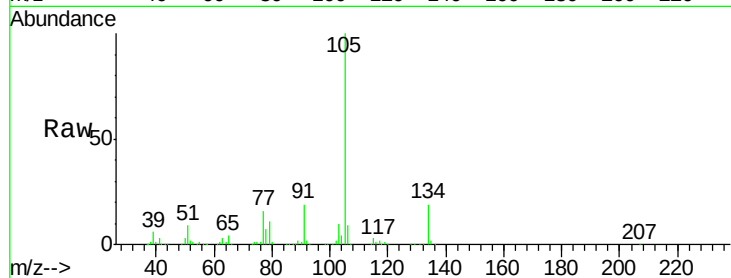
VSTDIC020

Tot Ion:105 Resp: 169777

Ion Ratio Lower Upper

105 100

134 19.0 8.9 26.7



#86

p-Isopropyltoluene

Concen: 22.40 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

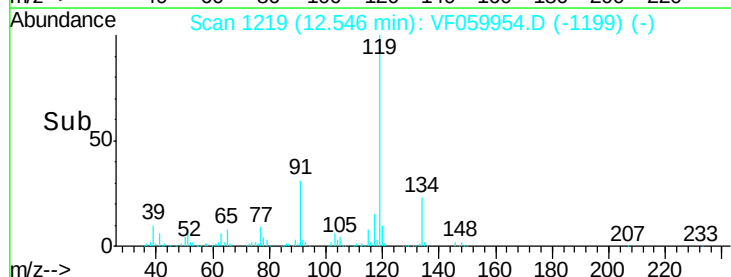
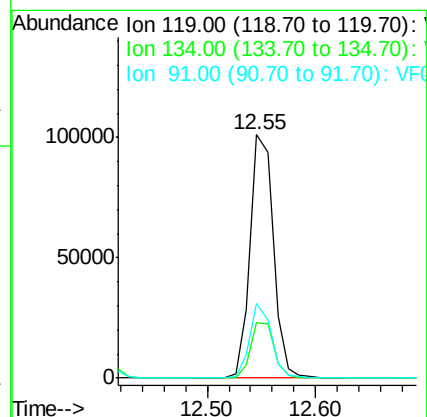
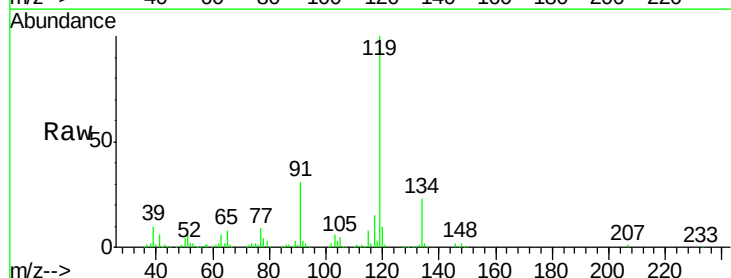
Tgt Ion:119 Resp: 152525

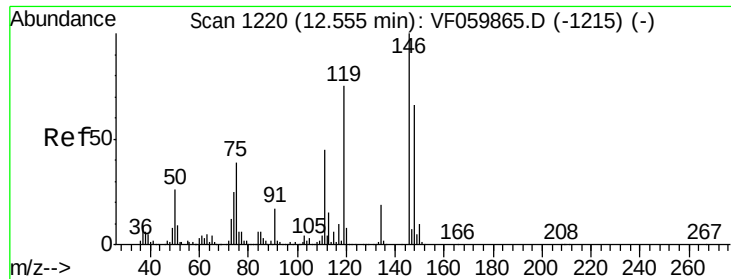
Ion Ratio Lower Upper

119 100

134 22.6 11.4 34.2

91 30.7 14.8 44.4

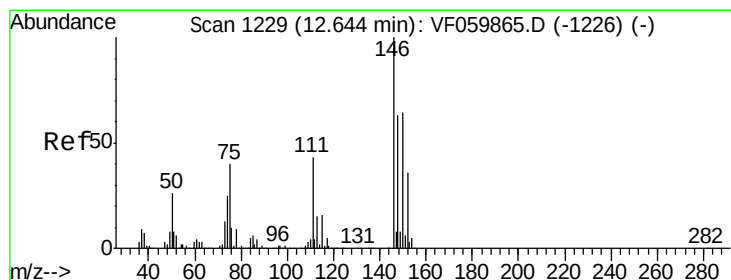
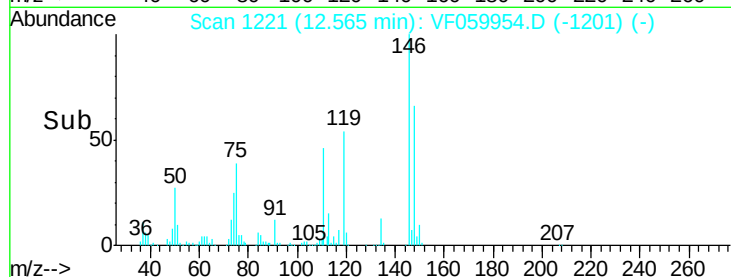
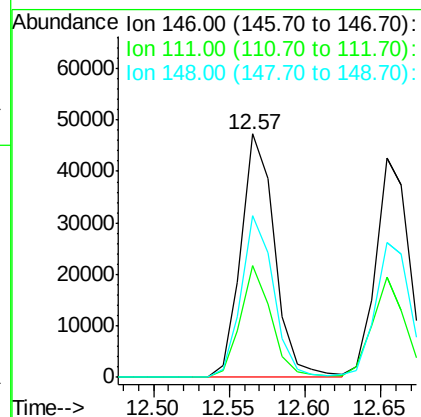
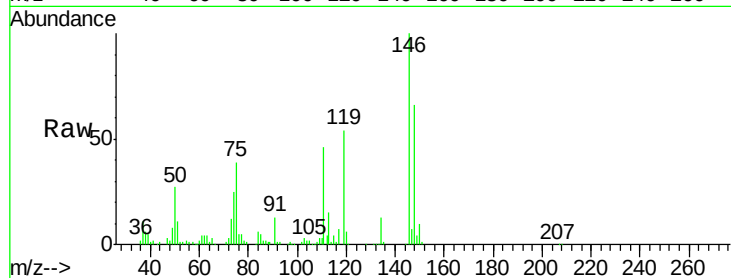




#87
 1,3-Dichlorobenzene
 Concen: 21.05 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

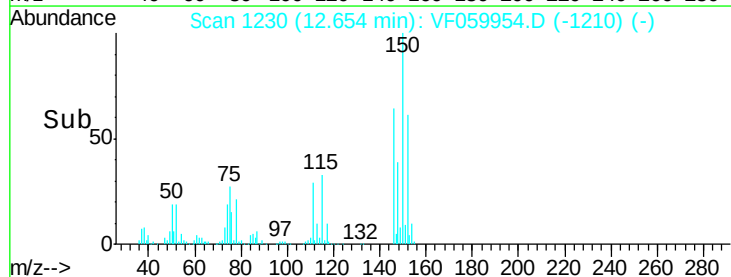
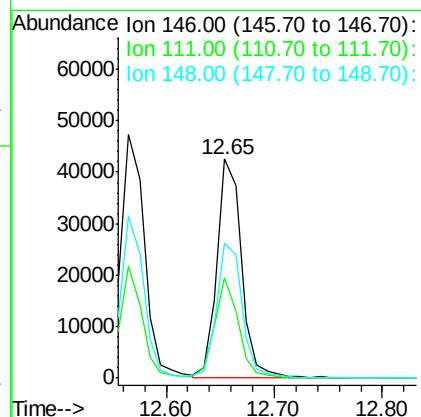
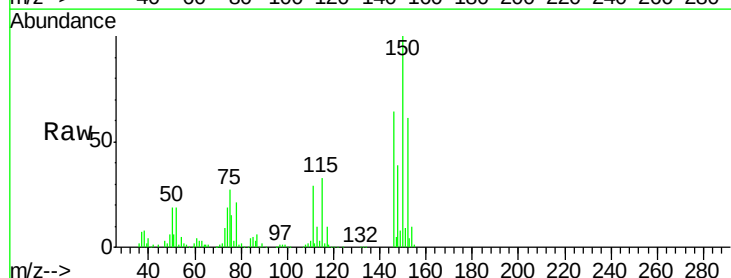
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

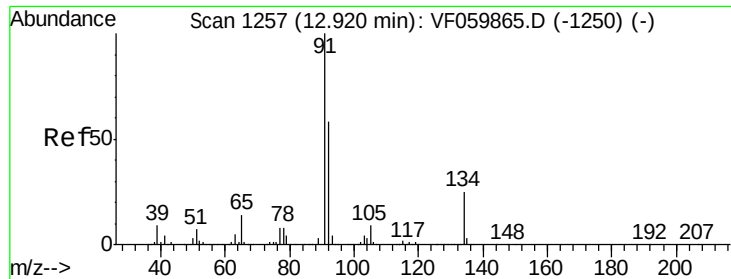
Tot Ion:146 Resp: 73281
 Ion Ratio Lower Upper
 146 100
 111 45.9 21.3 63.9
 148 66.4 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion:146 Resp: 67339
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.1 63.1
 148 61.9 31.7 95.1

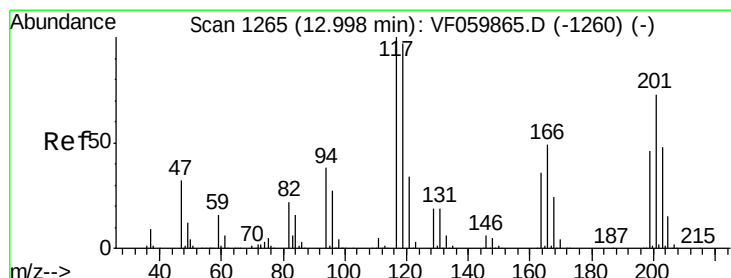
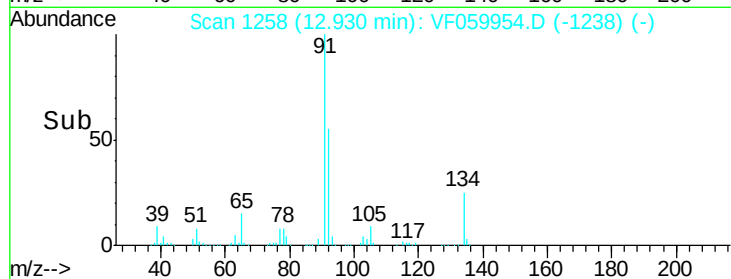
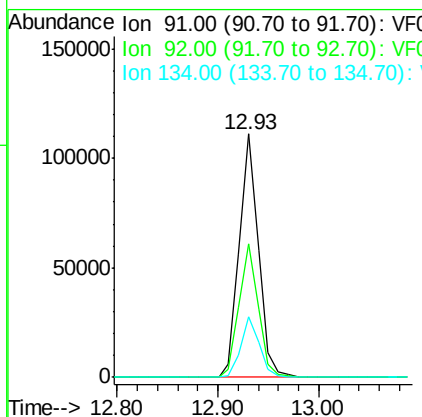
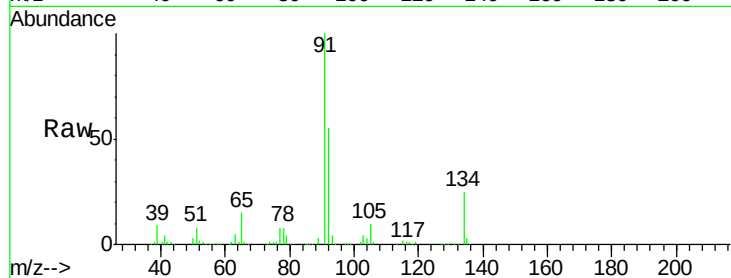




#89
n-Butylbenzene
Concen: 22.43 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

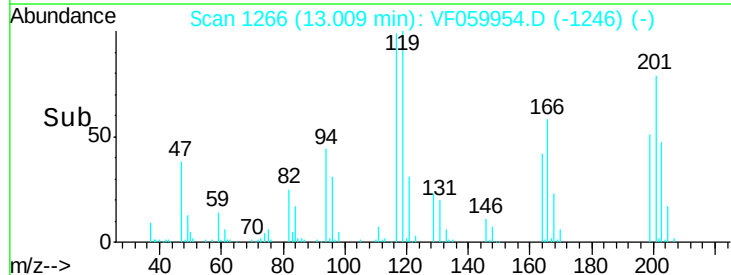
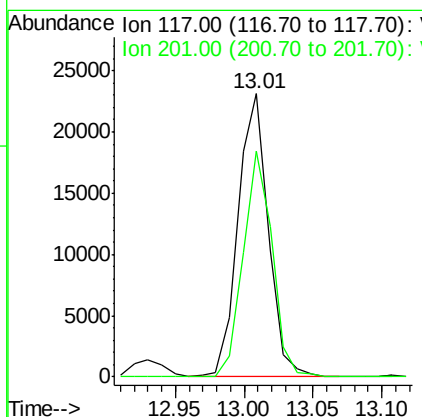
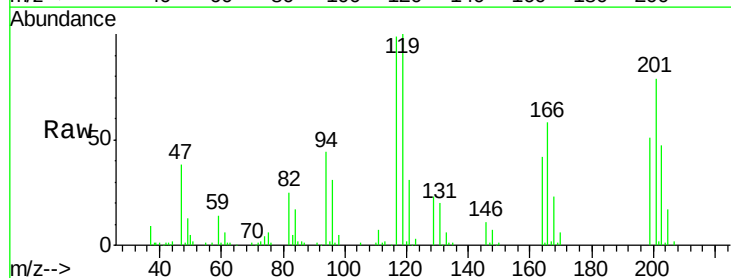
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

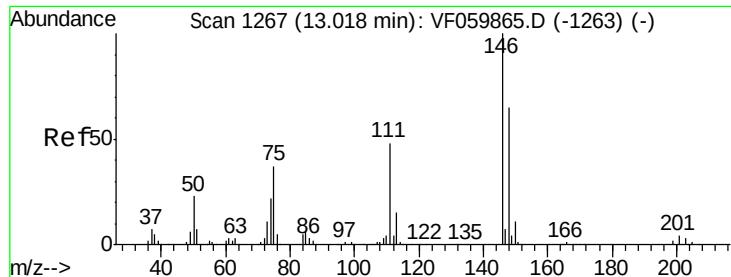
Tot Ion: 91 Resp: 147330
Ion Ratio Lower Upper
91 100
92 54.9 29.2 87.6
134 25.1 12.8 38.3



#90
Hexachloroethane
Concen: 19.06 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion: 117 Resp: 35375
Ion Ratio Lower Upper
117 100
201 79.8 41.8 125.3

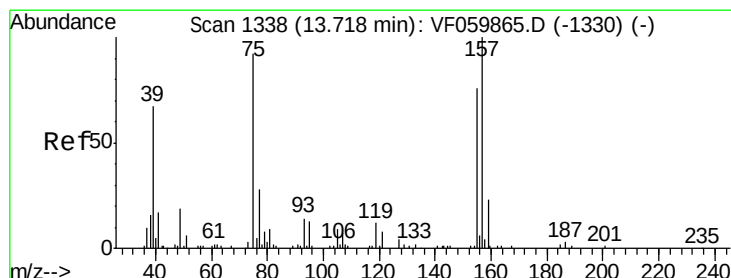
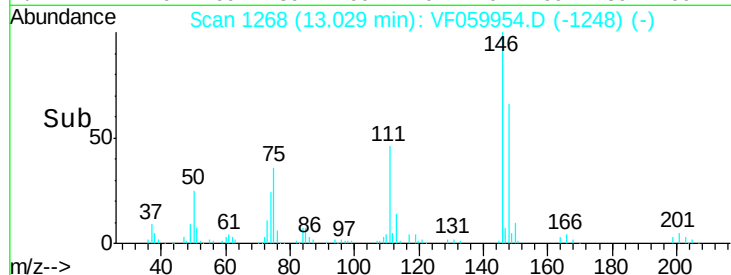
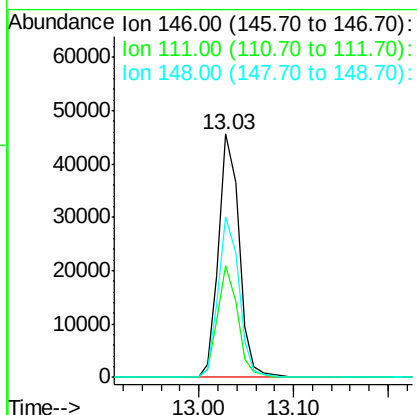
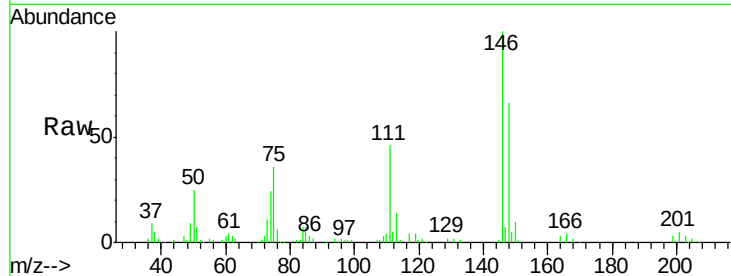




#91
 1,2-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

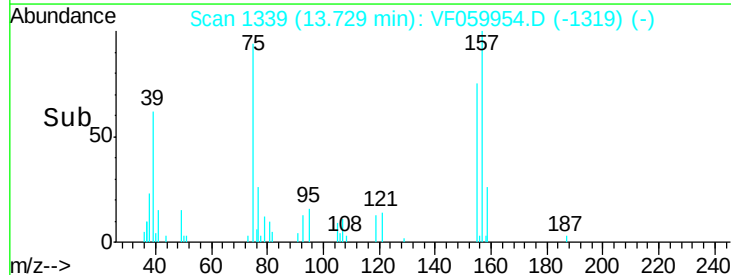
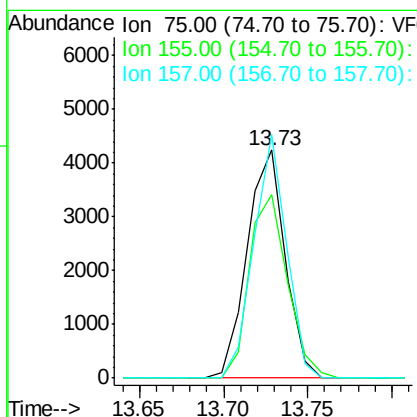
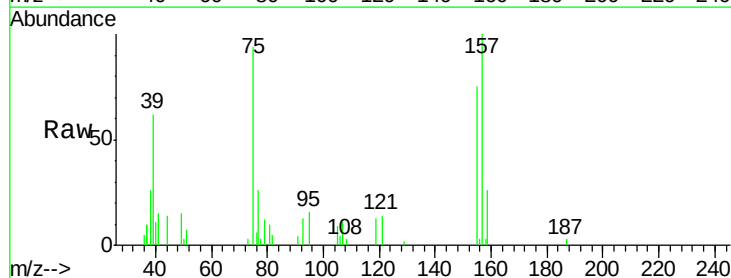
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

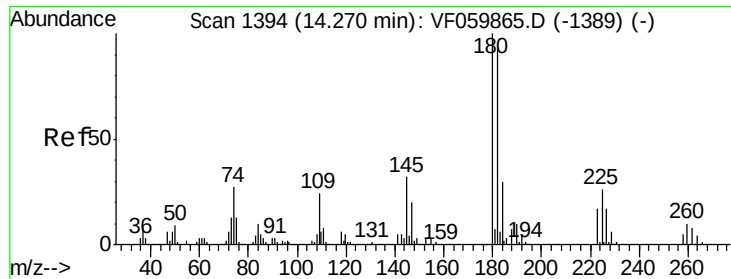
Tot Ion:146 Resp: 69552
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.0 66.0
 148 66.0 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.84 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion: 75 Resp: 6609
 Ion Ratio Lower Upper
 75 100
 155 80.3 44.6 134.0
 157 106.8 54.8 164.3

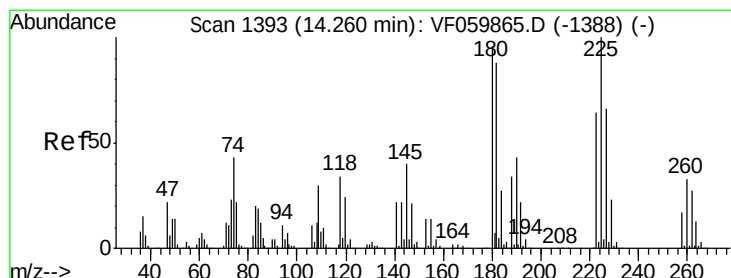
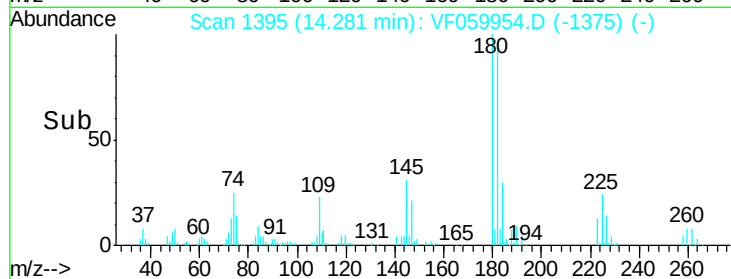
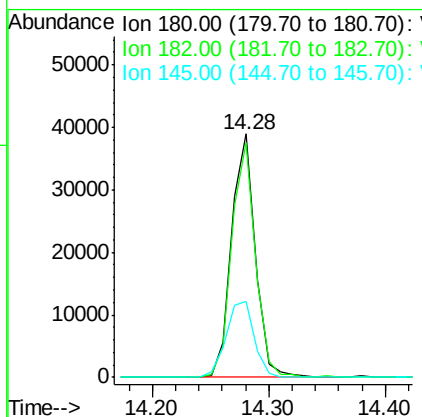
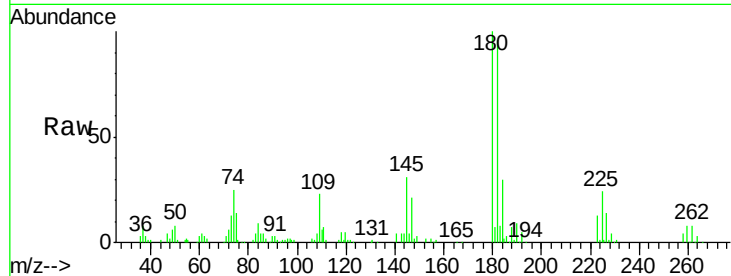




#93
 1,2,4-Trichlorobenzene
 Concen: 21.44 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

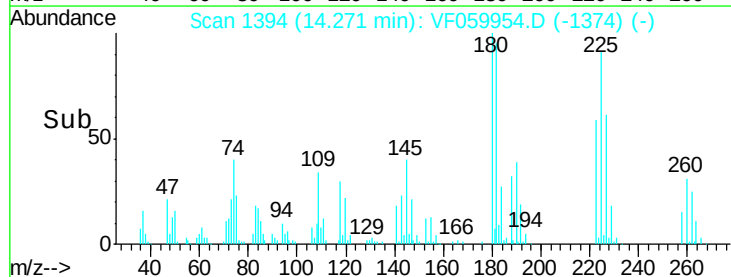
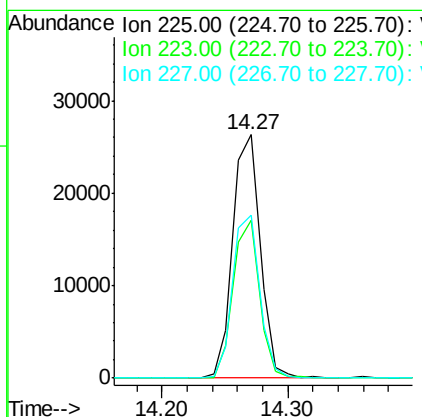
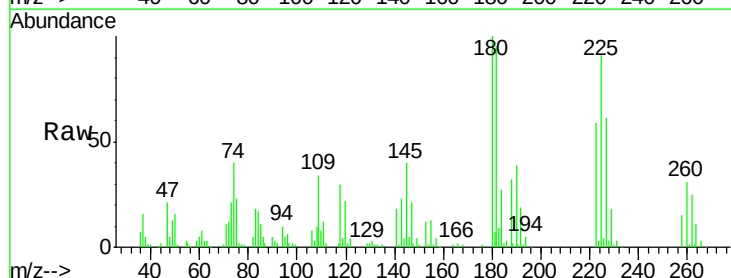
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

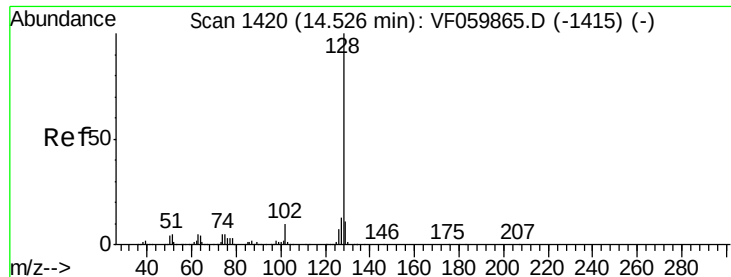
Tot Ion:180 Resp: 55049
 Ion Ratio Lower Upper
 180 100
 182 96.4 50.2 150.7
 145 31.3 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 21.75 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion:225 Resp: 39538
 Ion Ratio Lower Upper
 225 100
 223 64.7 29.6 88.8
 227 66.8 32.5 97.5

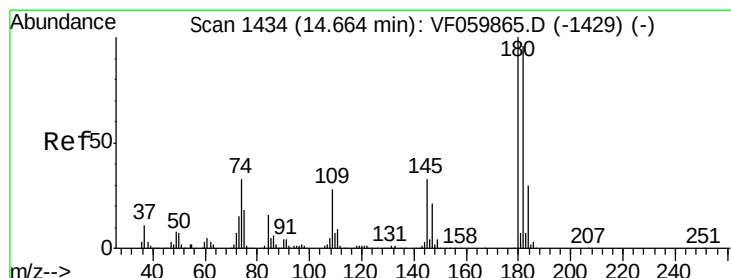
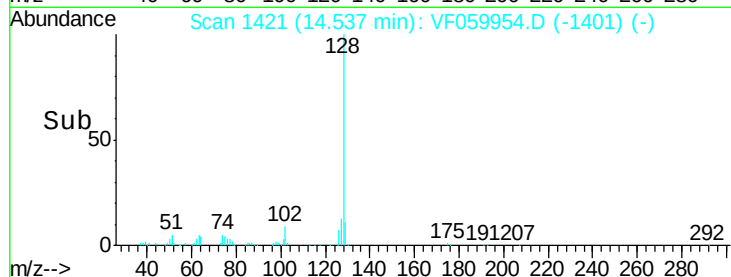
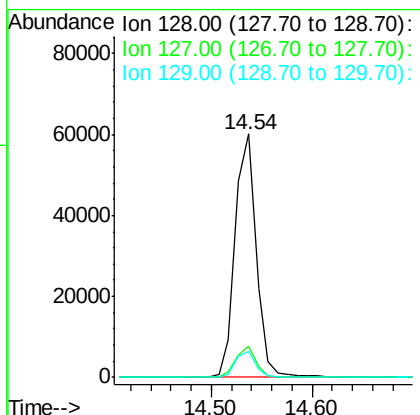
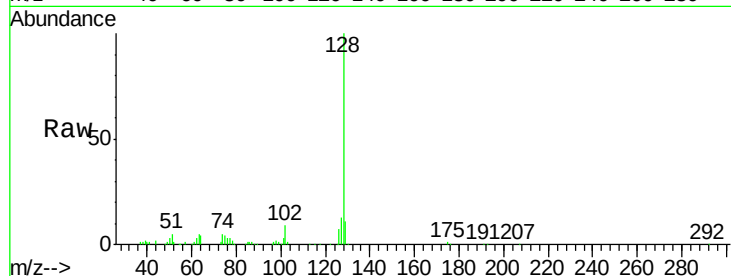




#95
Naphthalene
Concen: 19.97 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 87722
Ion Ratio Lower Upper
128 100
127 13.0 9.9 14.9
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.46 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion:180 Resp: 51383
Ion Ratio Lower Upper
180 100
182 96.0 47.5 142.6
145 37.9 17.6 52.8

