

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059956.D
 Acq On : 14 Aug 2018 20:32
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 15 08:55:12 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	5.07	168	122676	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	172140	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	173940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	117001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	156077	70.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.88%	
35) Dibromofluoromethane	4.32	113	123171	72.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	144.92%	
50) Toluene-d8	7.73	98	277621	76.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.08%	
62) 4-Bromofluorobenzene	11.53	95	156073	75.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	125581	61.39	ug/l	87
3) Chloromethane	1.10	50	56019	59.10	ug/l	92
4) Vinyl Chloride	1.17	62	64654	65.74	ug/l	98
5) Bromomethane	1.34	94	57437	62.32	ug/l	98
6) Chloroethane	1.43	64	43200	70.10	ug/l	95
7) Trichlorofluoromethane	1.54	101	184668	67.96	ug/l	100
8) Diethyl Ether	1.71	74	26246	61.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90812	61.38	ug/l	95
10) Methyl Iodide	1.96	142	144709	63.91	ug/l	96
11) Tert butyl alcohol	2.69	59	30058	332.33	ug/l	93
12) 1,1-Dichloroethene	1.87	96	65640	60.56	ug/l	91
13) Acrolein	2.10	56	20341	378.43	ug/l	89
14) Allyl chloride	2.20	41	109352	62.85	ug/l	97
15) Acrylonitrile	3.09	53	45603	288.66	ug/l	95
16) Acetone	2.35	43	137083	334.20	ug/l #	92
17) Carbon Disulfide	1.89	76	169394	59.44	ug/l	96
18) Methyl Acetate	2.47	43	41093	60.88	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	203147	66.16	ug/l	100
20) Methylene Chloride	2.29	84	29341	31.53	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	65039	60.70	ug/l	97
22) Diisopropyl ether	2.94	45	221104	63.68	ug/l	97
23) Vinyl Acetate	3.35	43	583394	345.14	ug/l	100
24) 1,1-Dichloroethane	3.02	63	154757	61.36	ug/l	97
25) 2-Butanone	4.53	43	146104	331.92	ug/l	95
26) 2,2-Dichloropropane	3.79	77	102698	68.56	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	76782	64.37	ug/l	98
28) Bromochloromethane	3.91	49	55944	61.88	ug/l	87
29) Tetrahydrofuran	4.27	42	53259	328.71	ug/l	99
30) Chloroform	4.05	83	218126	63.87	ug/l	96
31) Cyclohexane	3.89	56	81256	65.26	ug/l	90
32) 1,1,1-Trichloroethane	4.30	97	183268	67.00	ug/l	97
36) 1,1-Dichloropropene	4.48	75	135321	69.25	ug/l	99
37) Ethyl Acetate	4.31	43	57424	68.49	ug/l	81
38) Carbon Tetrachloride	4.19	117	211084	72.42	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059956.D
 Acq On : 14 Aug 2018 20:32
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 15 08:55:12 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)
39) Methylcyclohexane	5.65	83	100033	68.63	ug/l	98
40) Benzene	4.83	78	218243	65.37	ug/l	98
41) Methacrylonitrile	4.94	41	29594	67.44	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	176730	64.85	ug/l	97
43) Isopropyl Acetate	7.13	43	64842	73.43	ug/l	99
44) Trichloroethene	5.69	130	85018	65.40	ug/l	95
45) 1,2-Dichloropropane	6.42	63	61748	68.77	ug/l	89
46) Dibromomethane	6.27	93	58899	64.70	ug/l	92
47) Bromodichloromethane	6.57	83	166364	66.71	ug/l	95
48) Methyl methacrylate	6.89	41	53396	78.35	ug/l	89
49) 1,4-Dioxane	6.88	88	7814	1508.29	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	308439	343.93	ug/l	98
52) Toluene	7.80	92	163319	65.80	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	138122	71.53	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	141604	71.76	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	62133	69.60	ug/l	99
56) Ethyl methacrylate	8.78	69	68886	68.38	ug/l	95
57) 1,3-Dichloropropane	9.02	76	105468	68.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	40091	339.51	ug/l	100
59) 2-Hexanone	9.64	43	227153	356.43	ug/l	96
60) Dibromochloromethane	8.88	129	116411	69.17	ug/l	98
61) 1,2-Dibromoethane	9.15	107	74193	68.23	ug/l	98
64) Tetrachloroethene	8.32	164	91095	62.68	ug/l	94
65) Chlorobenzene	9.96	112	234054	67.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	114745	66.66	ug/l	97
67) Ethyl Benzene	10.06	91	407813	67.63	ug/l	94
68) m/p-Xylenes	10.28	106	273497	131.13	ug/l	96
69) o-Xylene	10.85	106	154424	70.57	ug/l	97
70) Styrene	10.91	104	220673	66.81	ug/l	95
71) Bromoform	10.90	173	70845	66.73	ug/l	99
73) Isopropylbenzene	11.24	105	510325	70.48	ug/l	98
74) N-amyl acetate	11.48	43	119031	65.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	80488	59.65	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	72317	62.07	ug/l	95
77) Bromobenzene	11.60	156	129656	65.67	ug/l	83
78) n-propylbenzene	11.70	91	567803	66.28	ug/l	98
79) 2-Chlorotoluene	11.83	91	351876	65.26	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	456336	67.91	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	43236	93.38	ug/l	90
82) 4-Chlorotoluene	12.00	91	382385	64.53	ug/l	97
83) tert-Butylbenzene	12.23	119	453953	68.97	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	464991	66.76	ug/l	98
85) sec-Butylbenzene	12.40	105	582469	66.73	ug/l	95
86) p-Isopropyltoluene	12.55	119	510196	69.77	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	235165	62.91	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	248886	67.63	ug/l	98
89) n-Butylbenzene	12.93	91	495087	70.18	ug/l	99
90) Hexachloroethane	13.00	117	129291	64.85	ug/l	75
91) 1,2-Dichlorobenzene	13.03	146	229756	64.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	22563	66.25	ug/l	88

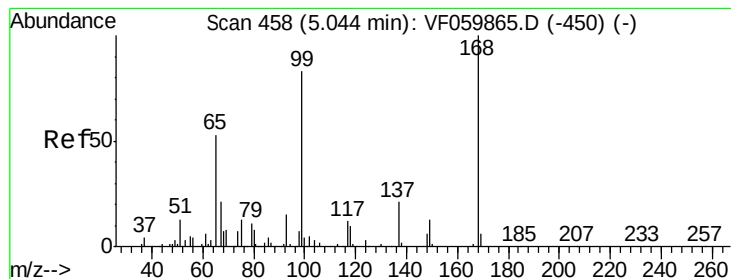
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF081418\
Data File : VF059956.D
Acq On : 14 Aug 2018 20:32
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Quant Time: Aug 15 08:55:12 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.28	180	192186	69.69	ug/l	94
94) Hexachlorobutadiene	14.27	225	135054	69.19	ug/l	97
95) Naphthalene	14.53	128	321948	68.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	185428	68.74	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

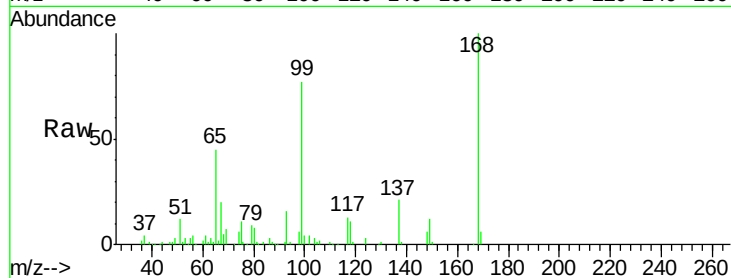
VSTDIC075

Tot Ion:168 Resp: 122676

Ion Ratio Lower Upper

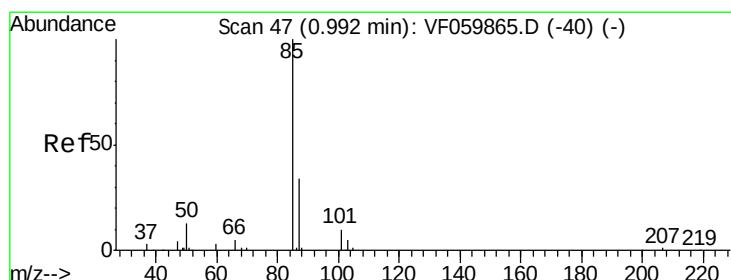
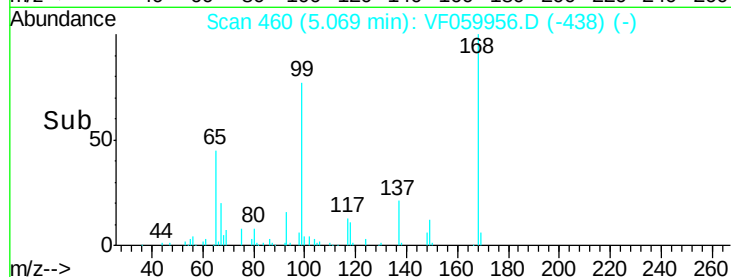
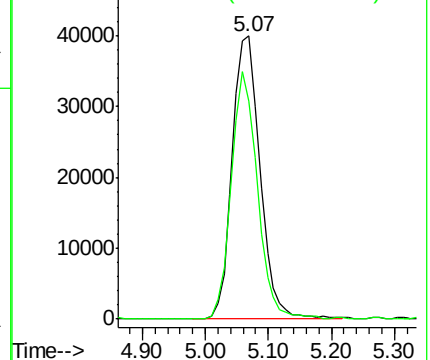
168 100

99 76.9 67.4 101.0



Abundance Ion 168.00 (167.70 to 168.70):

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 61.39 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059956.D

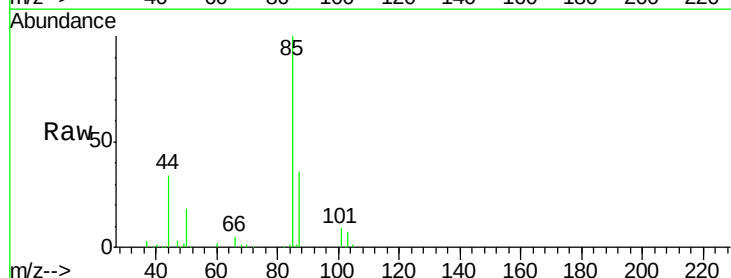
Acq: 14 Aug 2018 20:32

Tgt Ion: 85 Resp: 125581

Ion Ratio Lower Upper

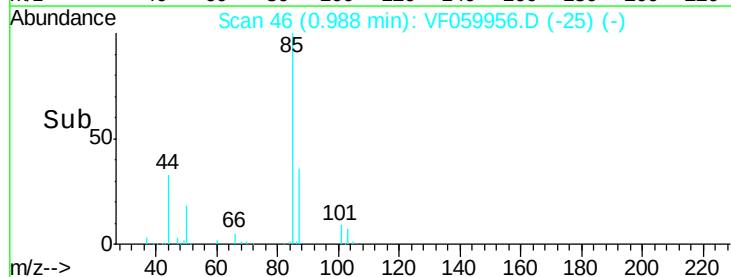
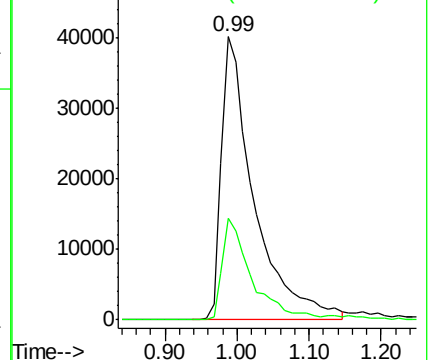
85 100

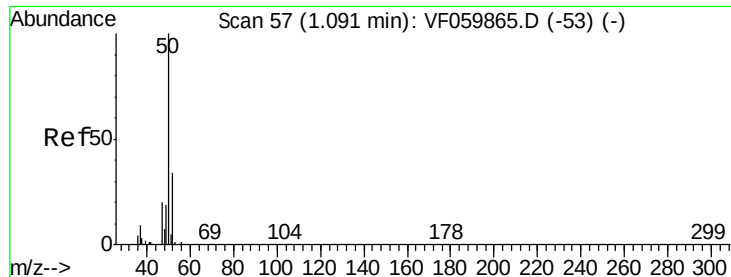
87 35.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 59.10 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

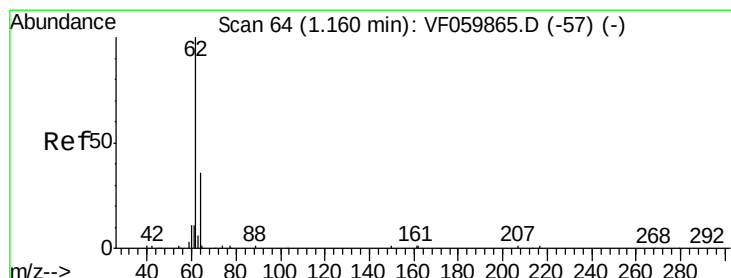
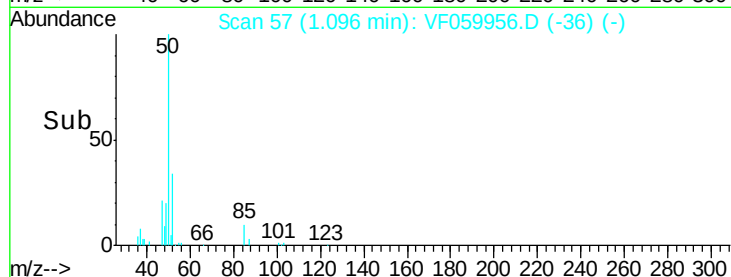
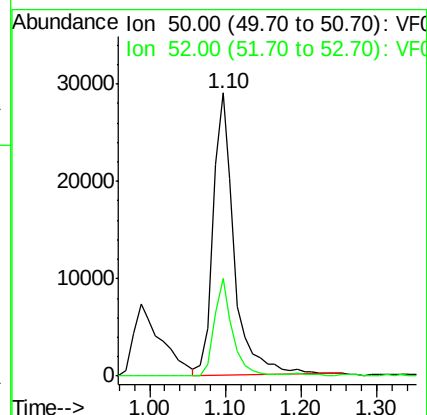
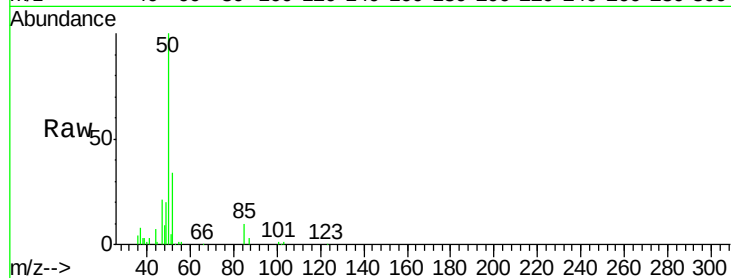
VSTDIC075

Tot Ion: 50 Resp: 56019

Ion Ratio Lower Upper

50 100

52 34.4 24.2 36.2



#4

Vinyl Chloride

Concen: 65.74 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059956.D

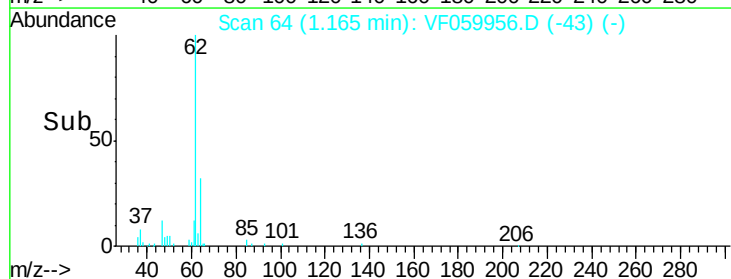
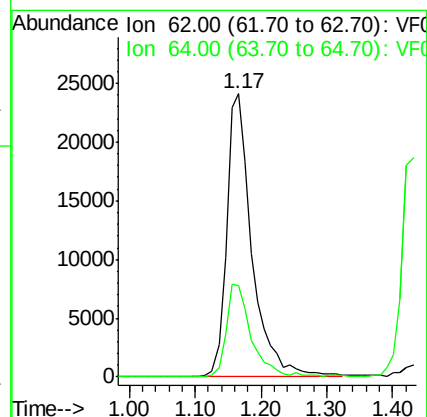
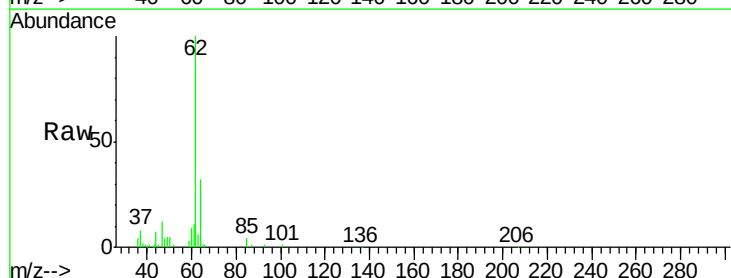
Acq: 14 Aug 2018 20:32

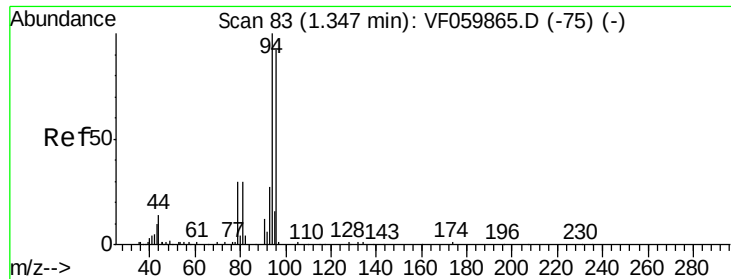
Tgt Ion: 62 Resp: 64654

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 62.32 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

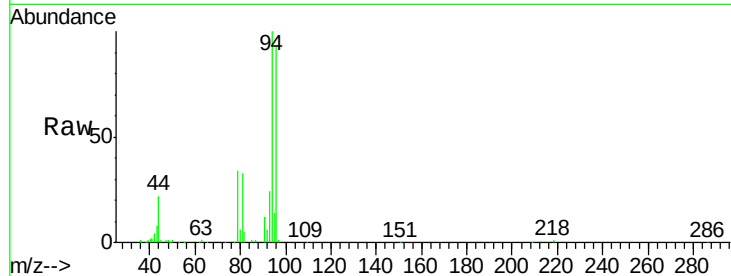
VSTDIC075

Tot Ion: 94 Resp: 57437

Ion Ratio Lower Upper

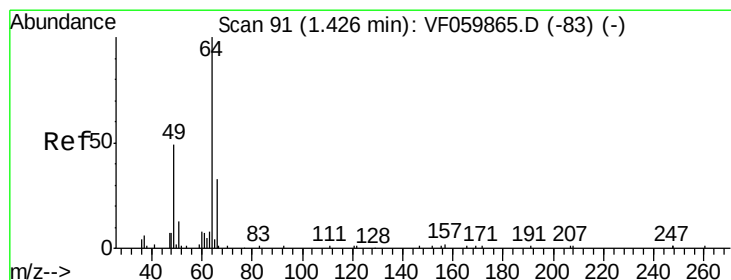
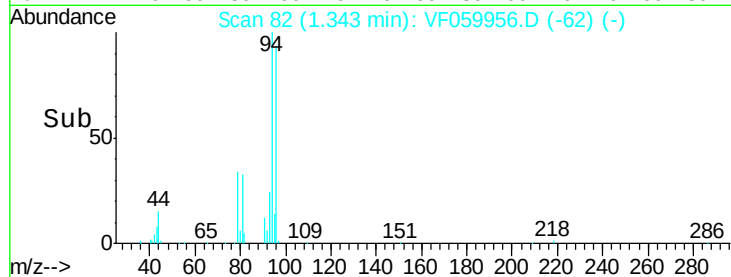
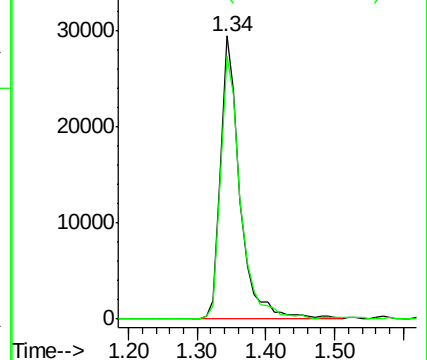
94 100

96 93.0 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 70.10 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059956.D

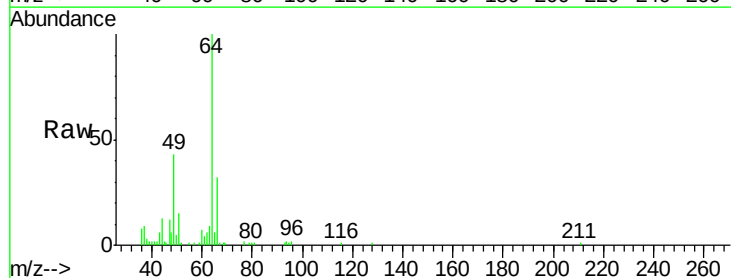
Acq: 14 Aug 2018 20:32

Tgt Ion: 64 Resp: 43200

Ion Ratio Lower Upper

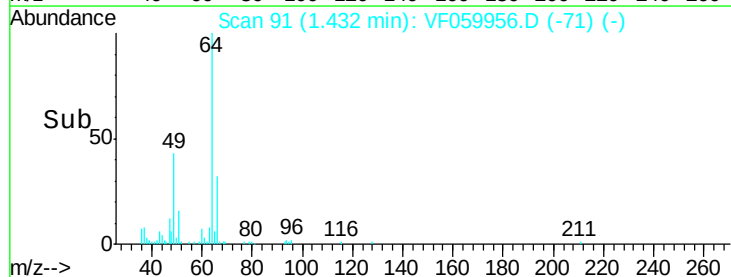
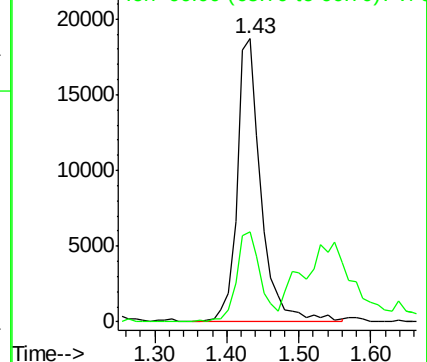
64 100

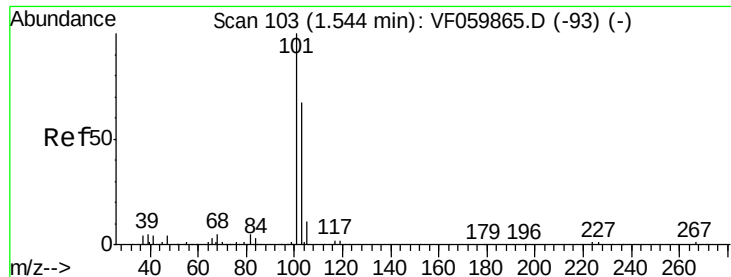
66 32.0 28.2 42.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



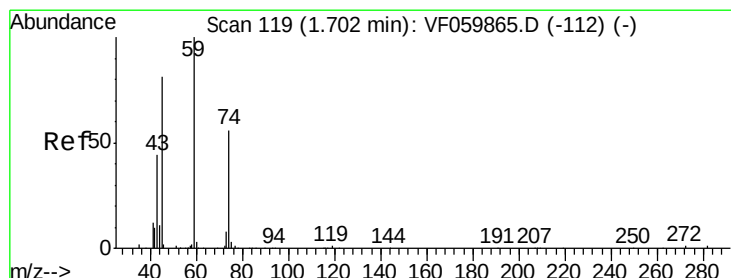
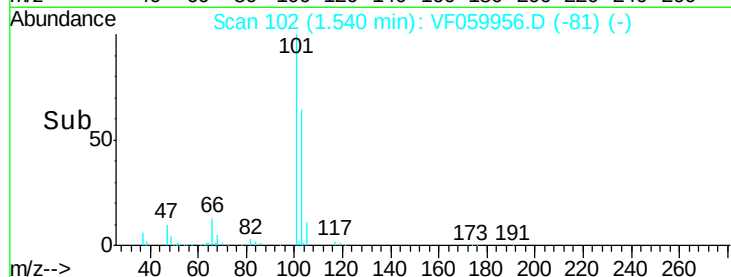
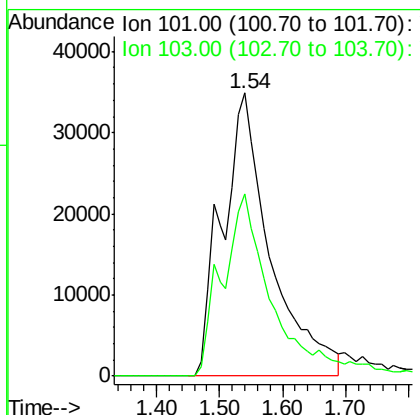
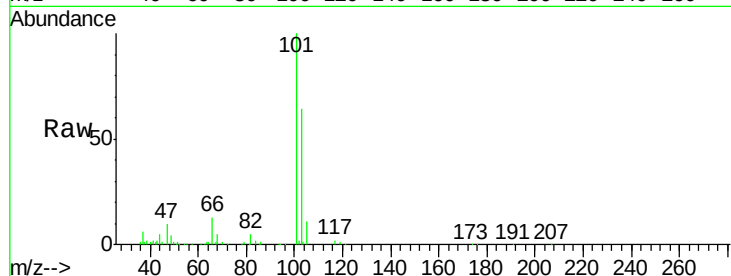


#7

Trichlorofluoromethane
 Concen: 67.96 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

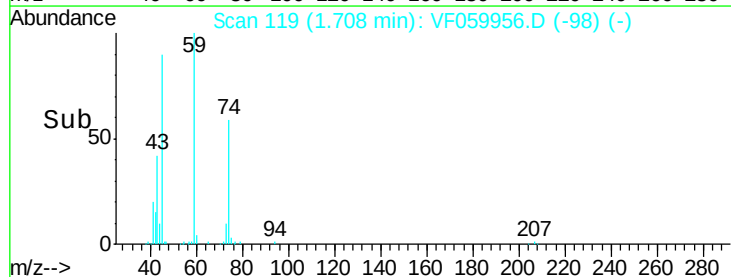
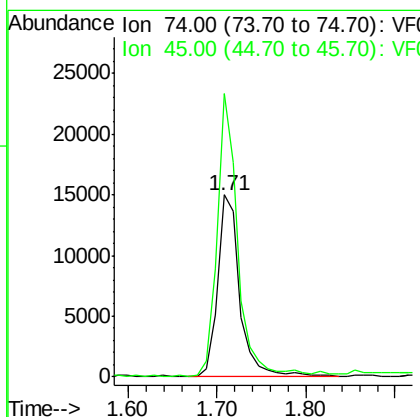
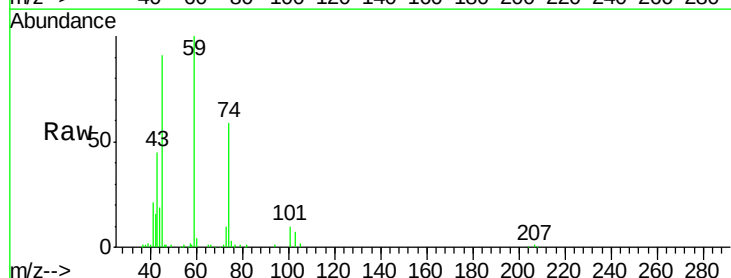
Tot Ion:101 Resp: 184668
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4

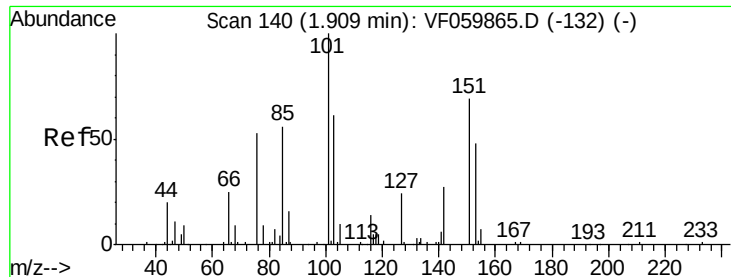


#8

Diethyl Ether
 Concen: 61.82 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion: 74 Resp: 26246
 Ion Ratio Lower Upper
 74 100
 45 155.4 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.38 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

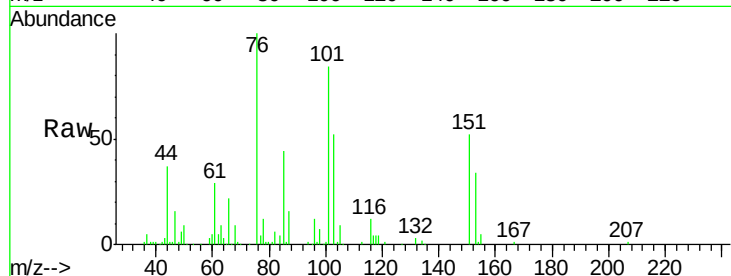
Tot Ion:101 Resp: 90812

Ion Ratio Lower Upper

101 100

85 52.2 42.1 63.1

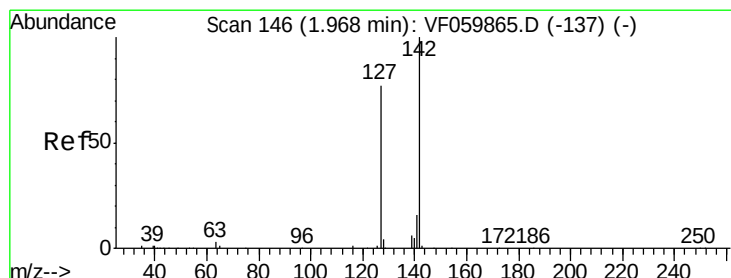
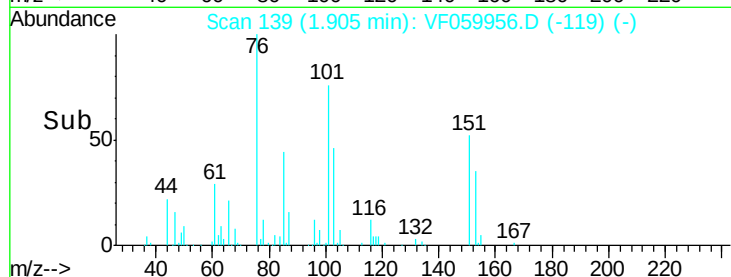
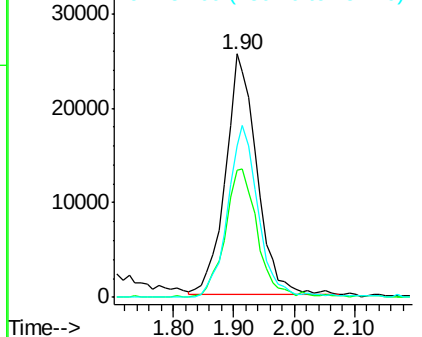
151 62.3 55.4 83.0



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: 63.91 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

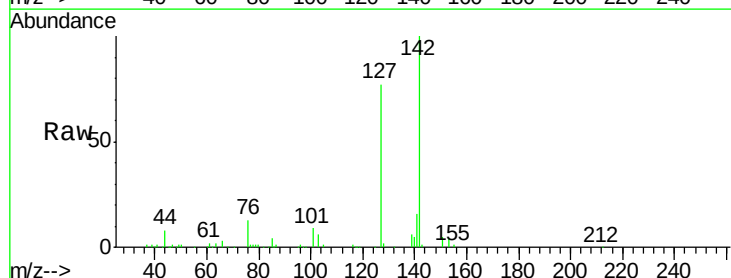
Tgt Ion:142 Resp: 144709

Ion Ratio Lower Upper

142 100

127 77.4 64.5 96.7

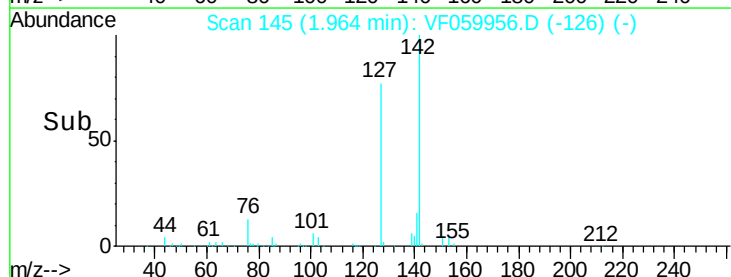
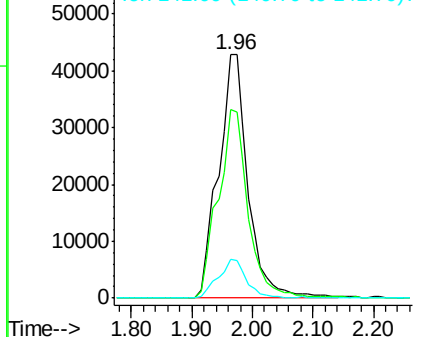
141 15.9 10.8 16.2

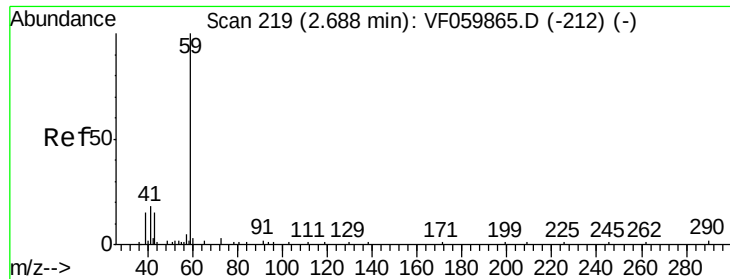


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):



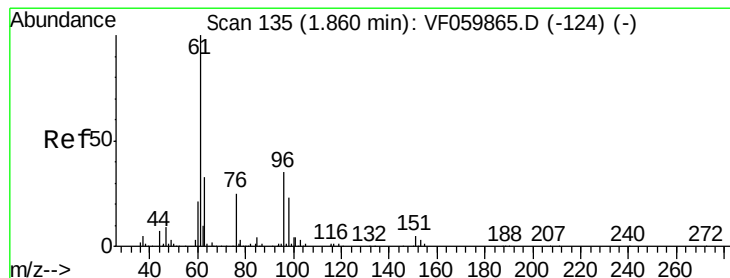
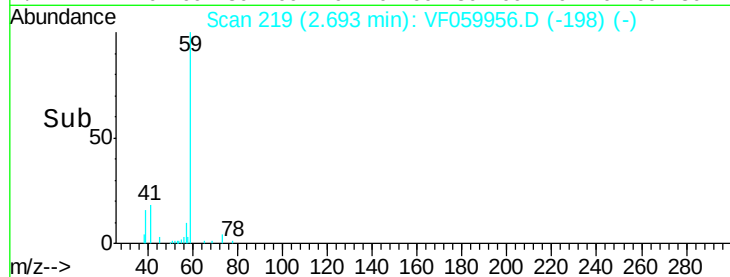
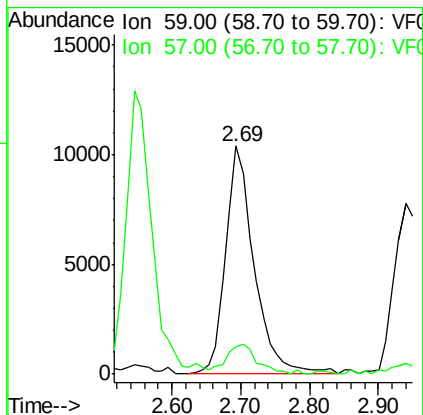
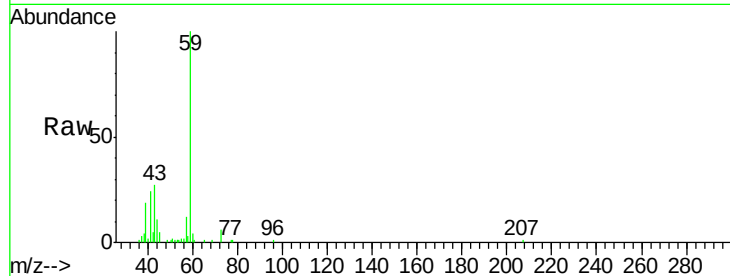


#11

Tert butyl alcohol
Concen: 332.33 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

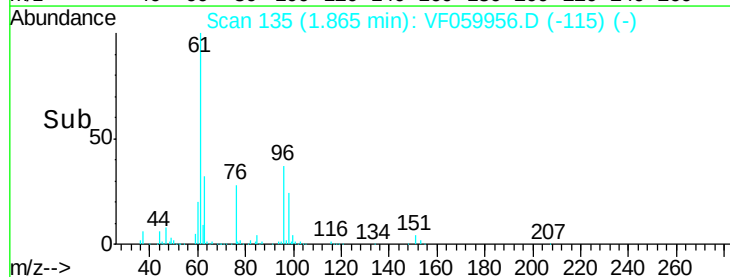
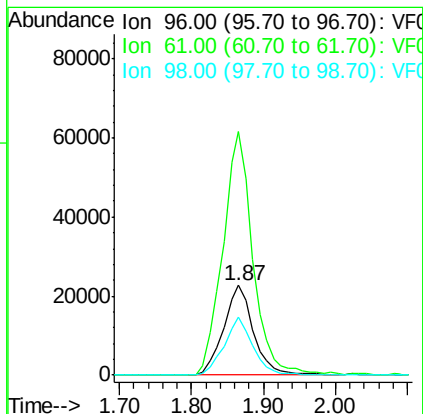
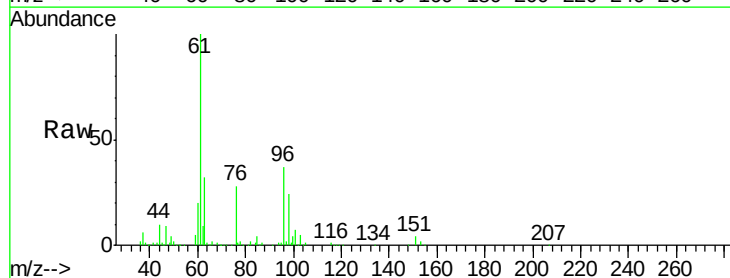
Tot Ion: 59 Resp: 30058
Ion Ratio Lower Upper
59 100
57 12.1 12.0 18.0

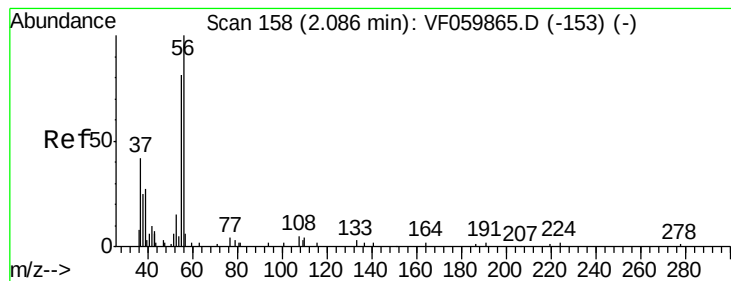


#12

1,1-Dichloroethene
Concen: 60.56 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 96 Resp: 65640
Ion Ratio Lower Upper
96 100
61 271.8 201.0 301.4
98 65.3 51.9 77.9





#13

Acrolein

Concen: 378.43 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

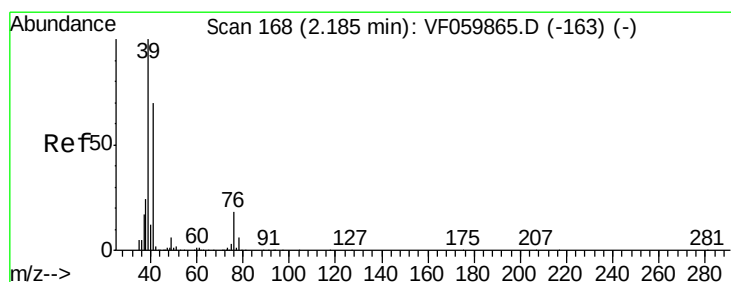
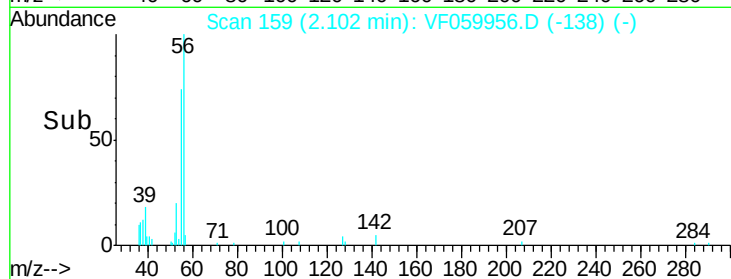
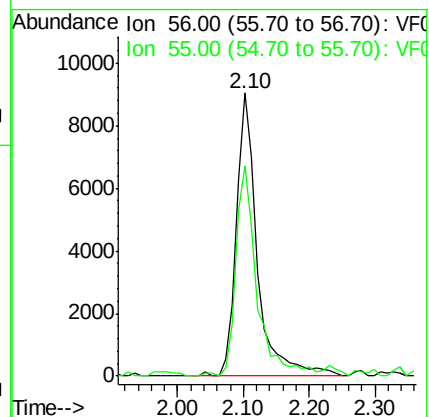
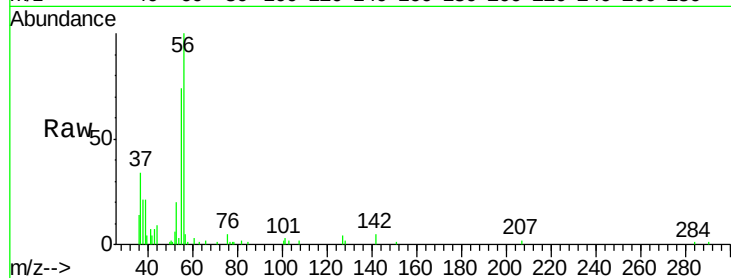
VSTDIC075

Tot Ion: 56 Resp: 20341

Ion Ratio Lower Upper

56 100

55 74.4 67.4 101.2



#14

Allyl chloride

Concen: 62.85 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

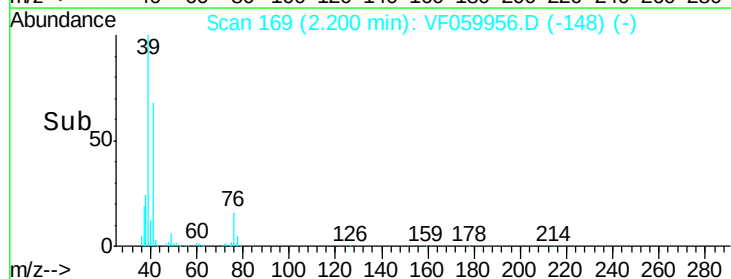
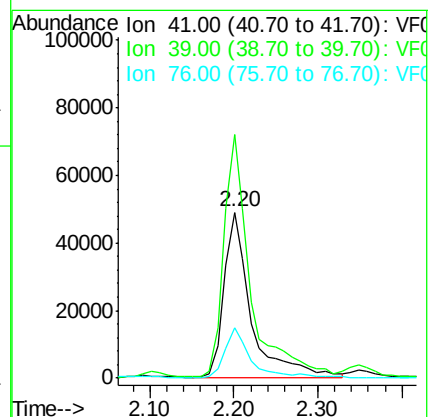
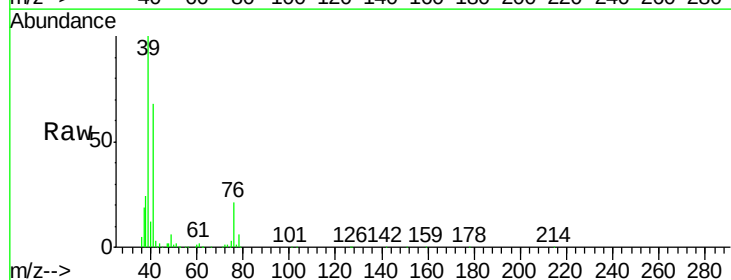
Tgt Ion: 41 Resp: 109352

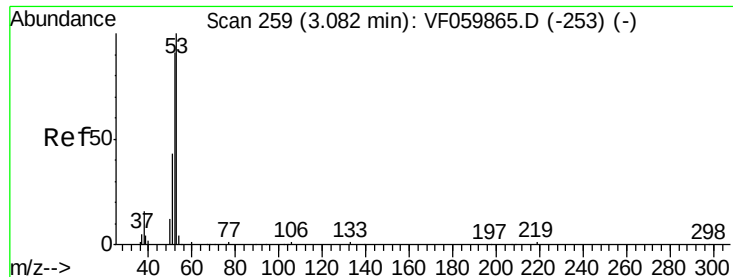
Ion Ratio Lower Upper

41 100

39 146.7 121.0 181.4

76 30.1 23.6 35.4





#15

Acrylonitrile

Concen: 288.66 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

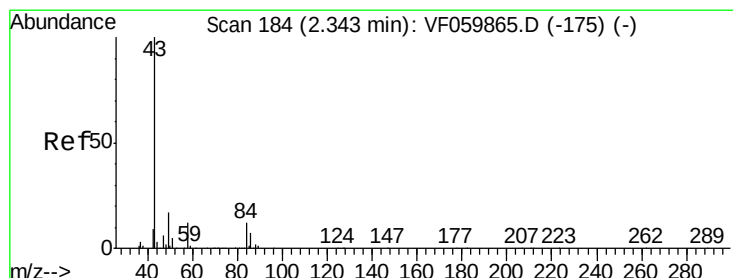
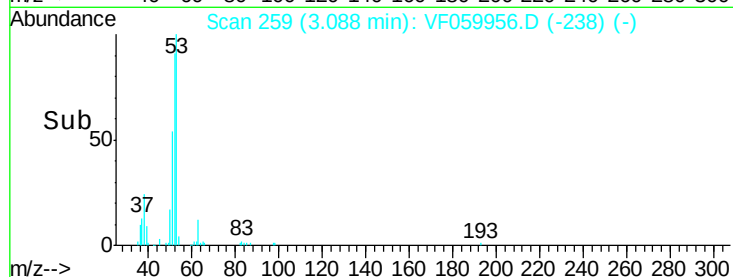
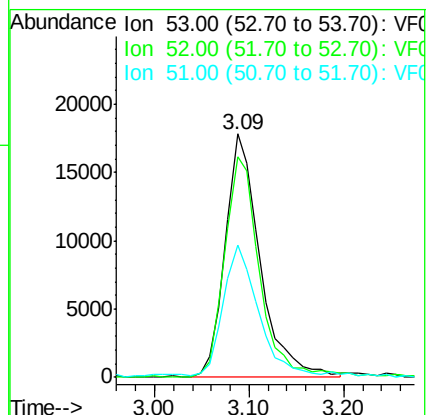
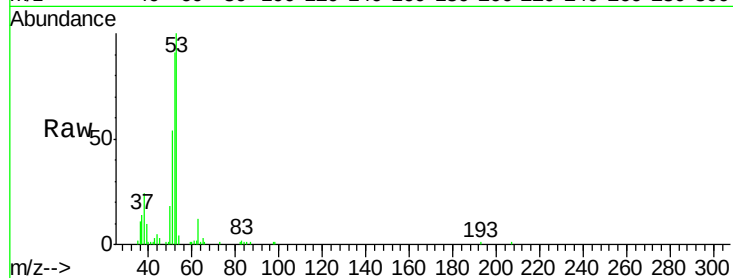
Tot Ion: 53 Resp: 45603

Ion Ratio Lower Upper

53 100

52 90.8 78.1 117.1

51 54.3 44.2 66.4



#16

Acetone

Concen: 334.20 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059956.D

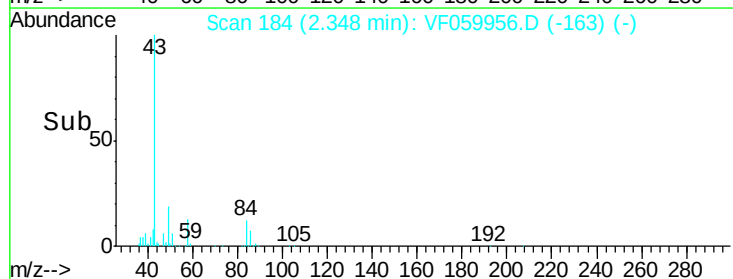
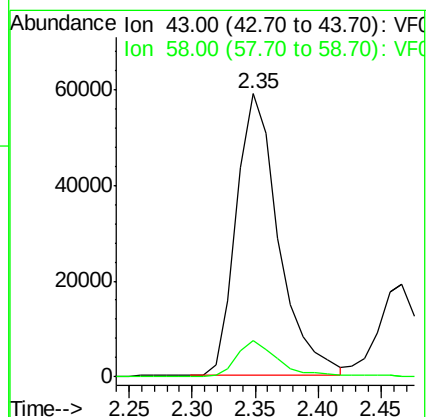
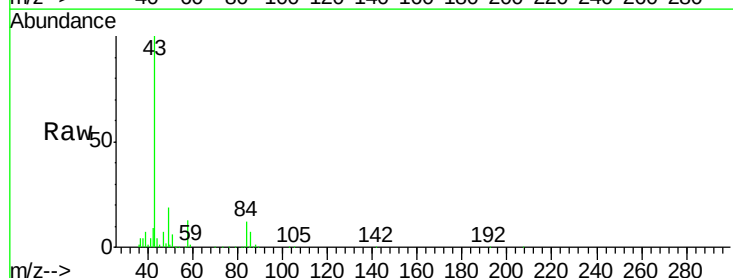
Acq: 14 Aug 2018 20:32

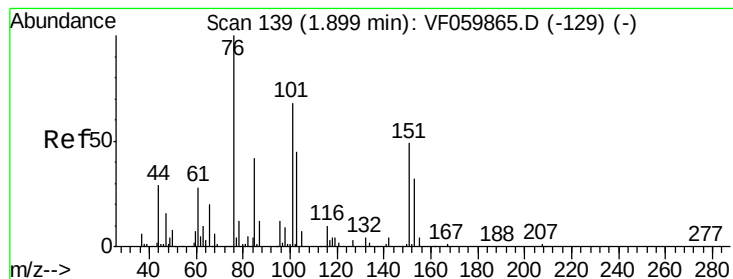
Tgt Ion: 43 Resp: 137083

Ion Ratio Lower Upper

43 100

58 13.0 8.1 12.1#





#17

Carbon Disulfide

Concen: 59.44 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

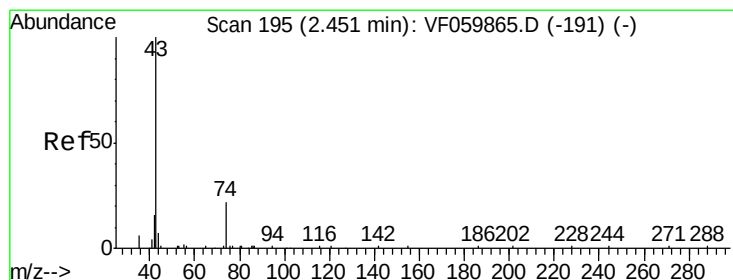
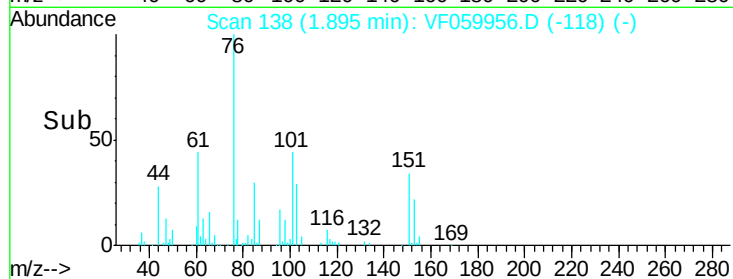
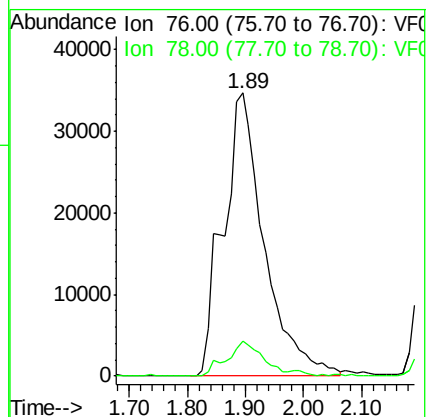
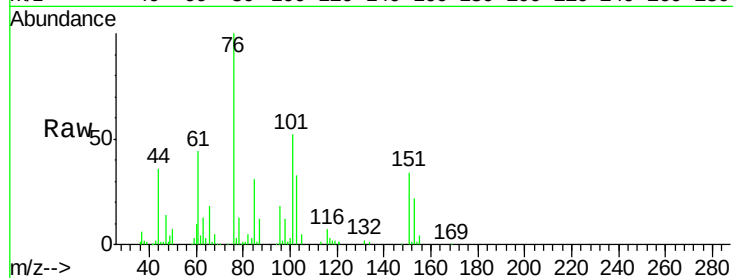
VSTDIC075

Tot Ion: 76 Resp: 169394

Ion Ratio Lower Upper

76 100

78 12.5 11.4 17.0



#18

Methyl Acetate

Concen: 60.88 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF059956.D

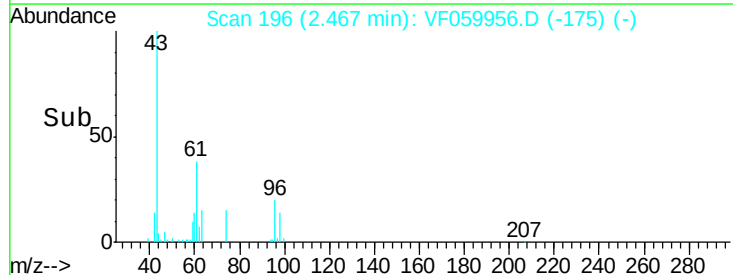
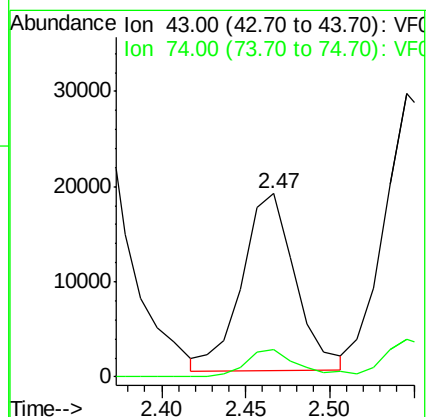
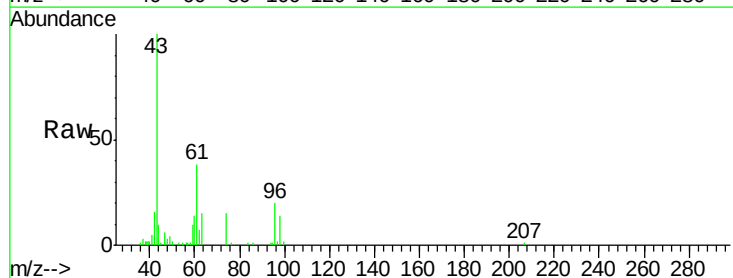
Acq: 14 Aug 2018 20:32

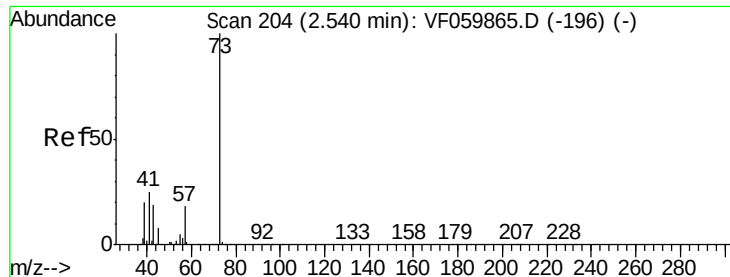
Tgt Ion: 43 Resp: 41093

Ion Ratio Lower Upper

43 100

74 14.9 14.3 21.5



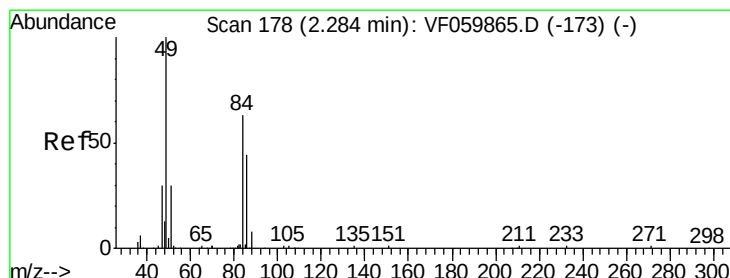
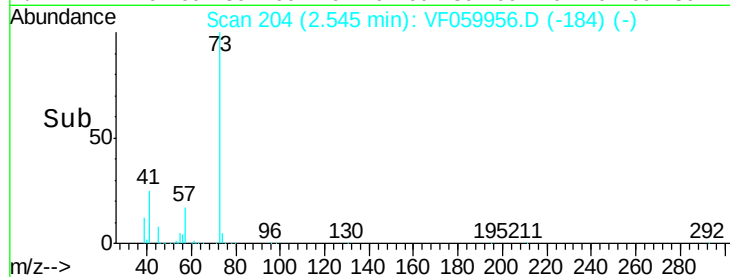
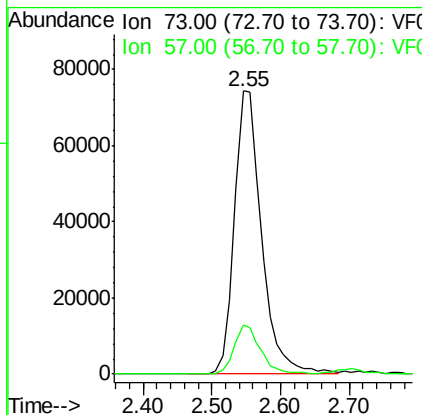
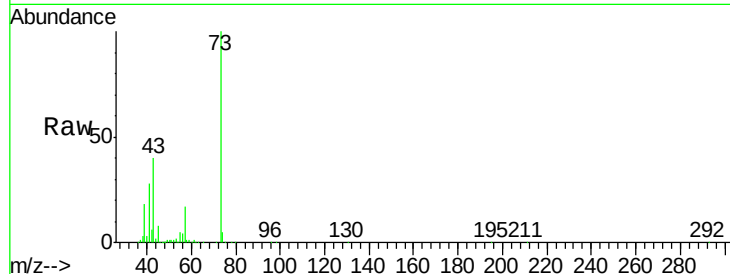


#19

Methyl tert-butyl Ether
 Concen: 66.16 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

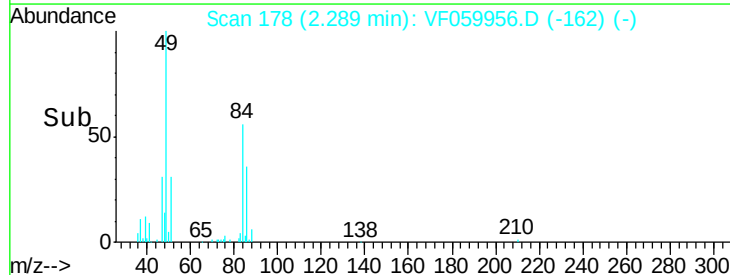
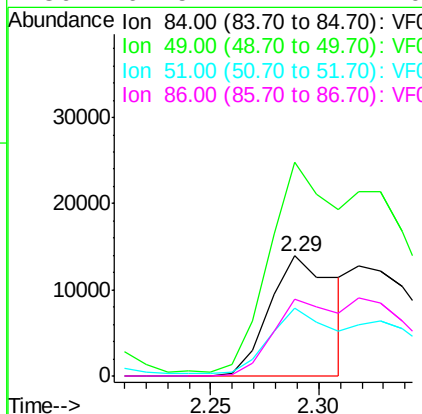
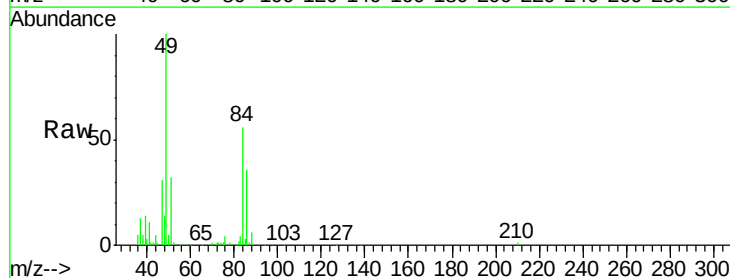
Tot Ion: 73 Resp: 203147
 Ion Ratio Lower Upper
 73 100
 57 17.4 14.0 21.0

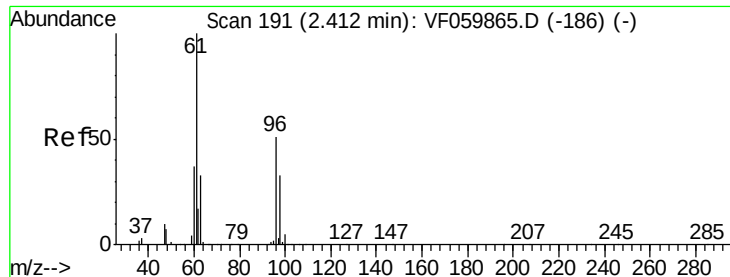


#20

Methylene Chloride
 Concen: 31.53 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. -0.05 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion: 84 Resp: 29341
 Ion Ratio Lower Upper
 84 100
 49 178.1 138.6 207.8
 51 56.5 40.2 60.4
 86 64.5 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 60.70 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

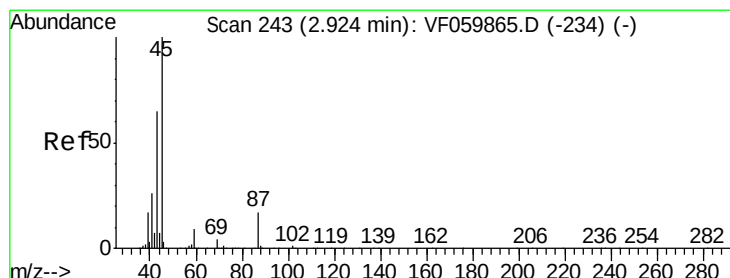
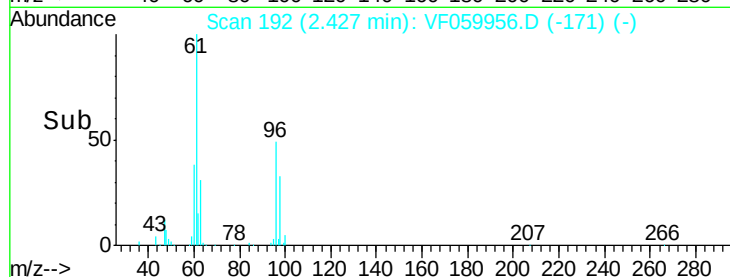
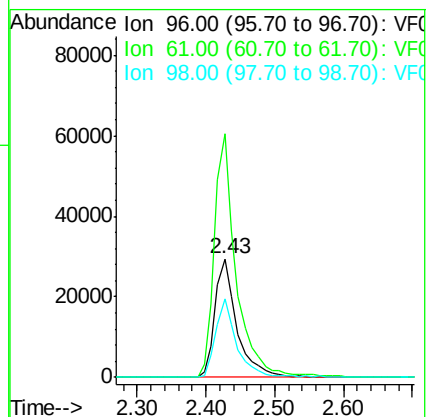
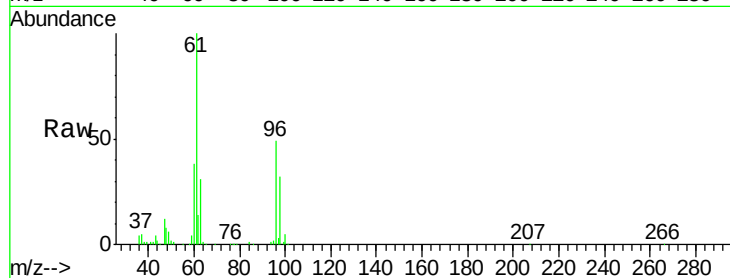
Tot Ion: 96 Resp: 65039

Ion Ratio Lower Upper

96 100

61 205.7 159.5 239.3

98 66.7 53.8 80.6



#22

Diisopropyl ether

Concen: 63.68 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion: 45 Resp: 221104

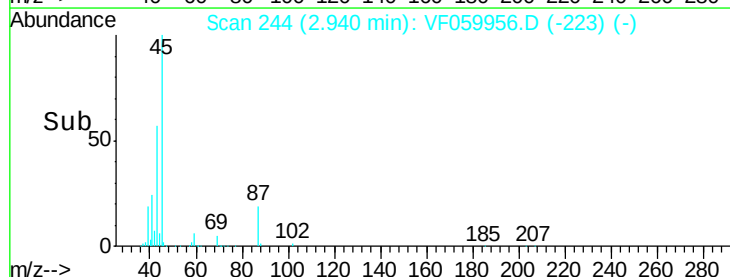
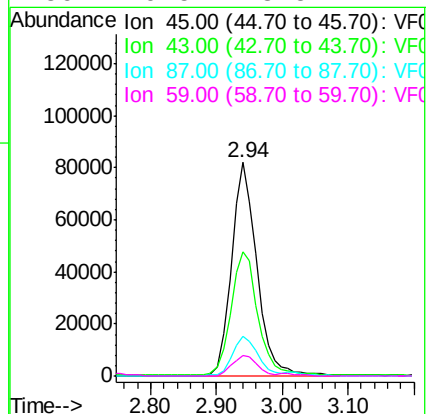
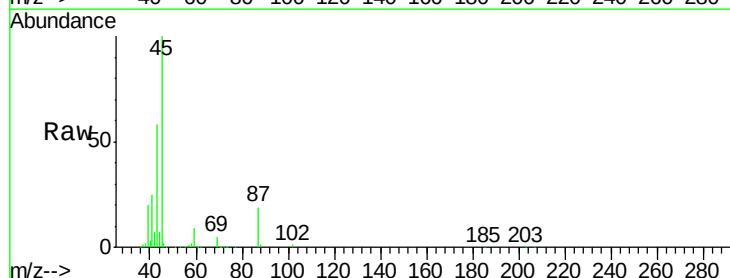
Ion Ratio Lower Upper

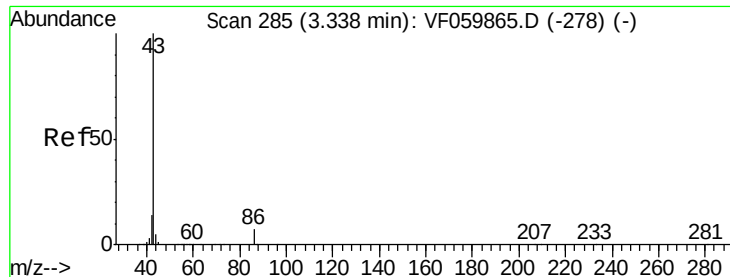
45 100

43 57.9 48.7 73.1

87 18.5 15.3 22.9

59 9.5 8.5 12.7





#23

Vinyl Acetate

Concen: 345.14 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

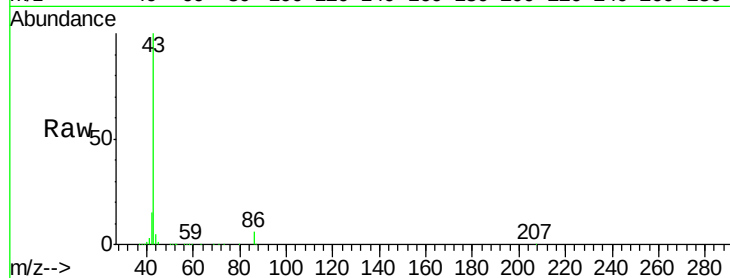
VSTDIC075

Tot Ion: 43 Resp: 583394

Ion Ratio Lower Upper

43 100

86 6.3 4.9 7.3



Abundance Ion 43.00 (42.70 to 43.70): VF059865.D (-278) (-)

Ion 86.00 (85.70 to 86.70): VF059865.D (-278) (-)

250000

200000

150000

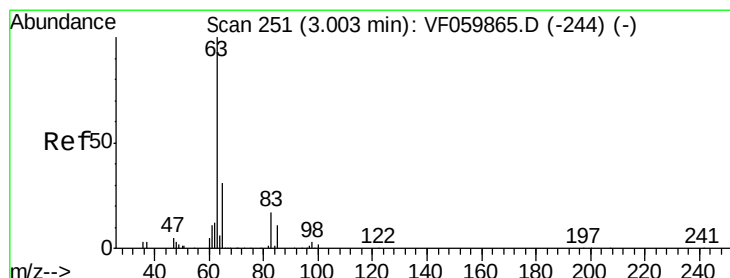
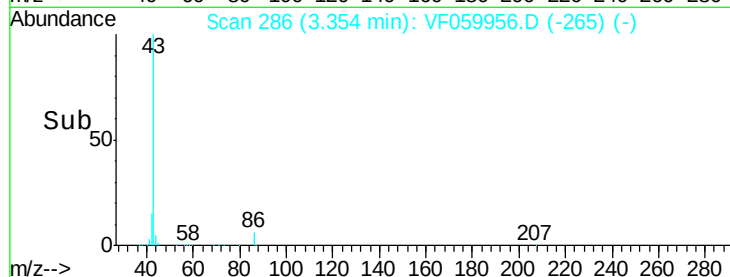
100000

50000

0

3.20 3.30 3.40 3.50 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 61.36 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

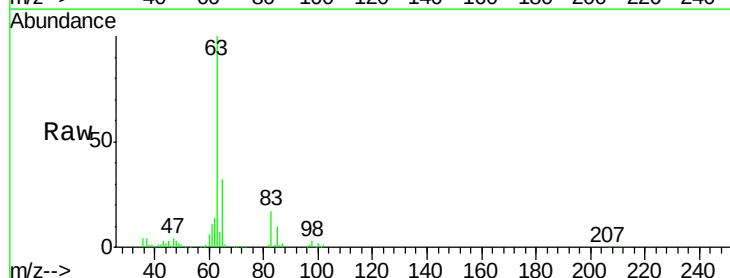
Tgt Ion: 63 Resp: 154757

Ion Ratio Lower Upper

63 100

98 3.4 2.1 6.2

100 2.4 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF059865.D (-244) (-)

Ion 98.00 (97.70 to 98.70): VF059865.D (-244) (-)

Ion 100.00 (99.70 to 100.70): VF059865.D (-244) (-)

80000

60000

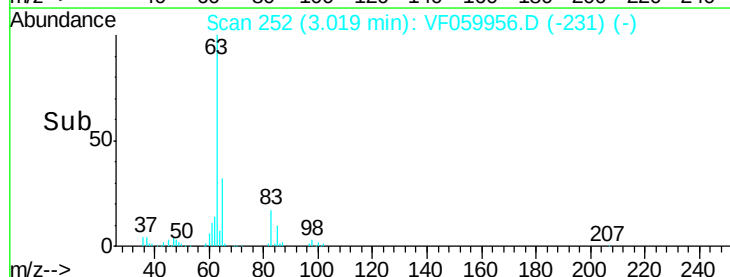
40000

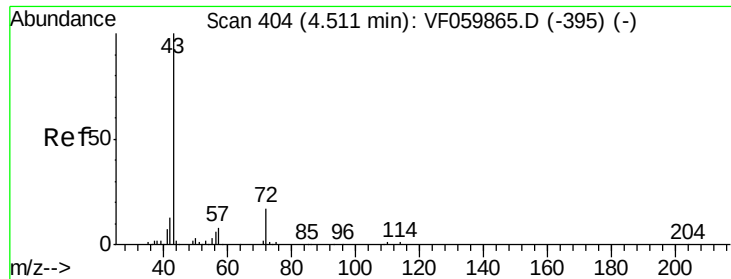
20000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 331.92 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

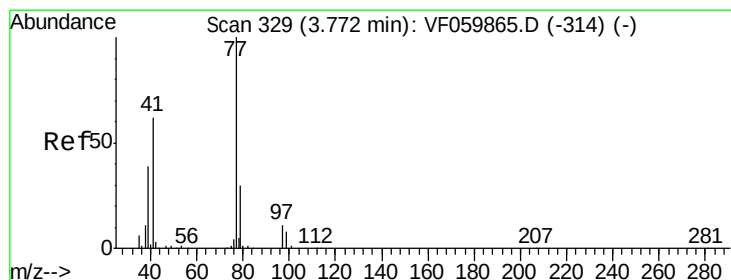
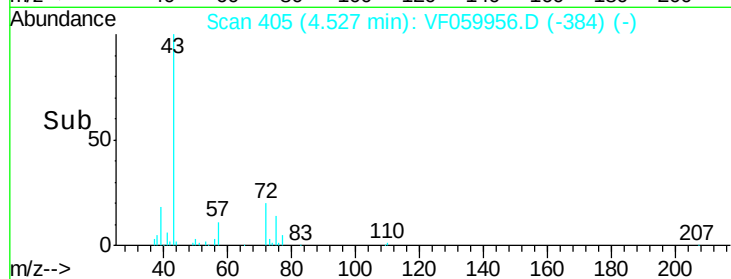
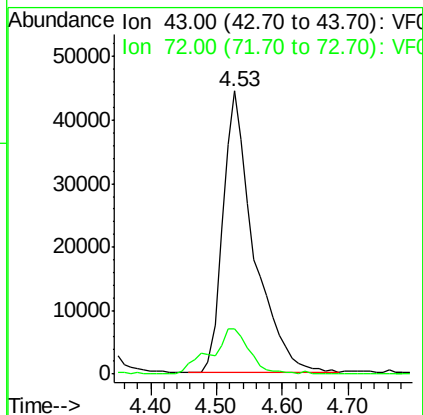
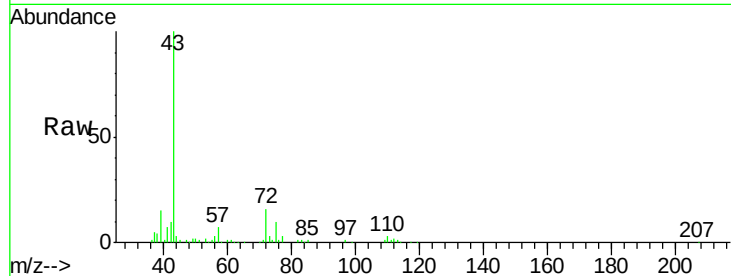
VSTDIC075

Tot Ion: 43 Resp: 146104

Ion Ratio Lower Upper

43 100

72 16.2 14.6 22.0



#26

2,2-Dichloropropane

Concen: 68.56 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059956.D

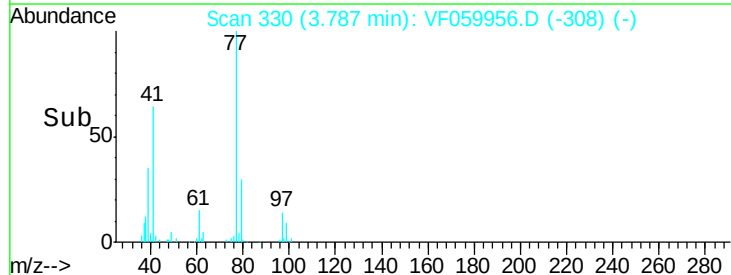
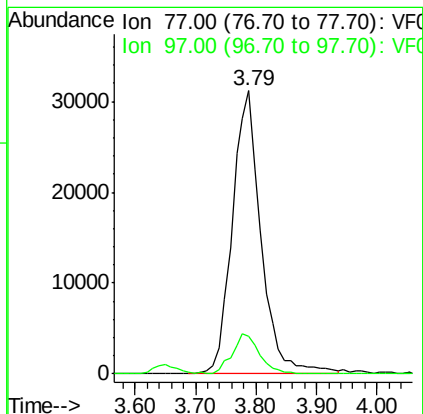
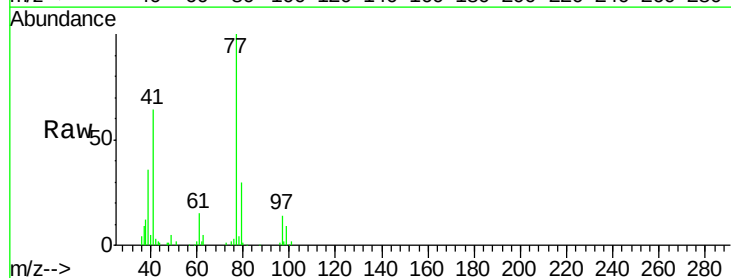
Acq: 14 Aug 2018 20:32

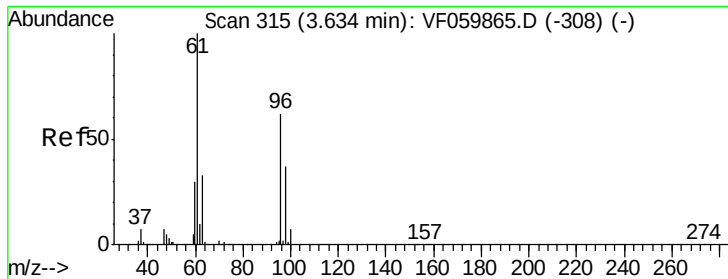
Tgt Ion: 77 Resp: 102698

Ion Ratio Lower Upper

77 100

97 13.5 6.6 19.7



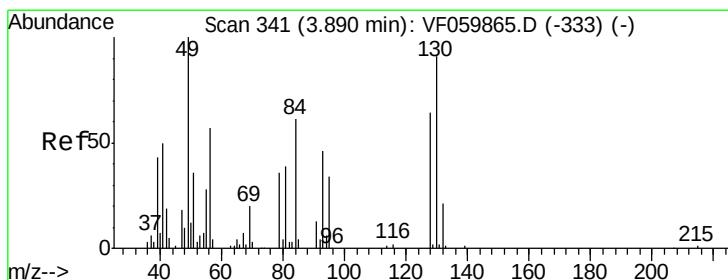
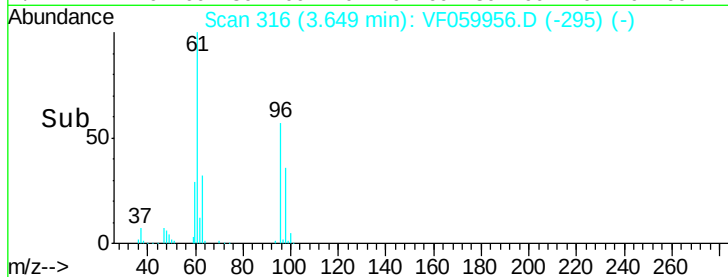
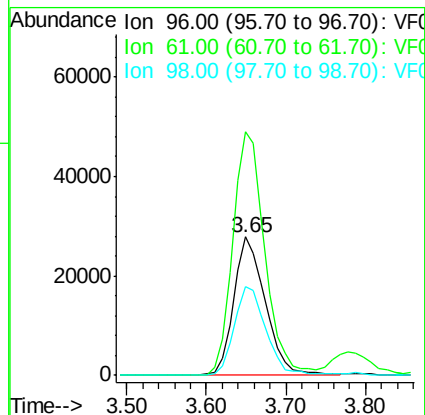
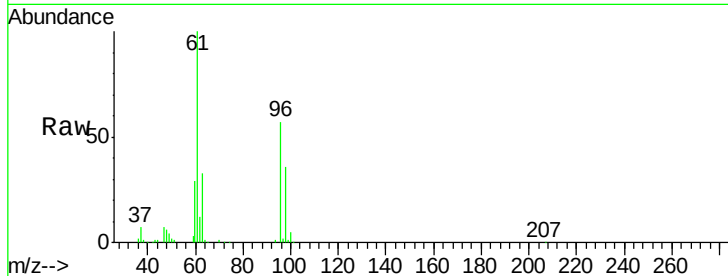


#27

cis-1,2-Dichloroethene
Concen: 64.37 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

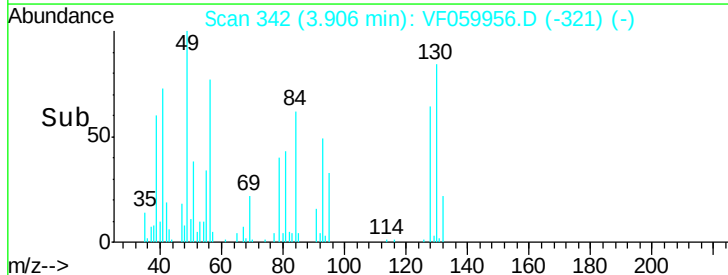
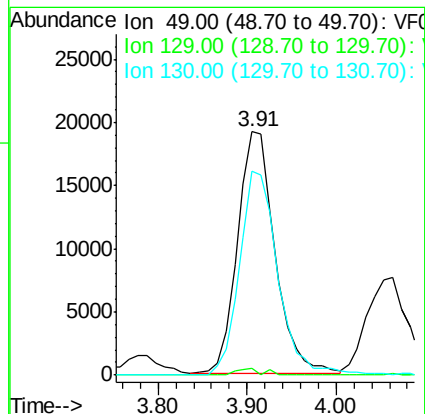
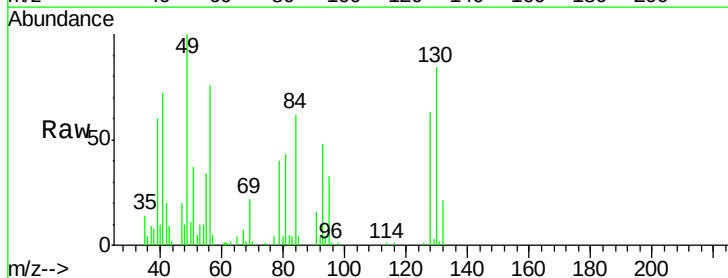
Tot Ion: 96 Resp: 76782
Ion Ratio Lower Upper
96 100
61 175.9 0.0 349.4
98 63.9 0.0 134.6

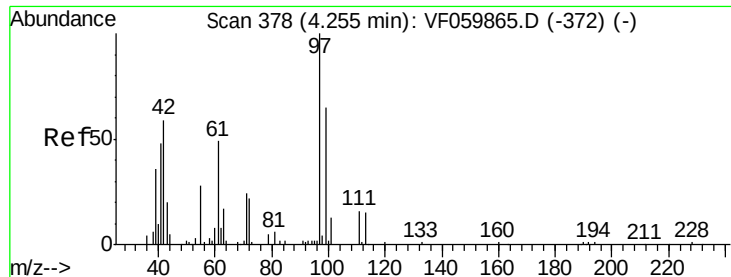


#28

Bromochloromethane
Concen: 61.88 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 49 Resp: 55944
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.2
130 83.6 58.1 87.1

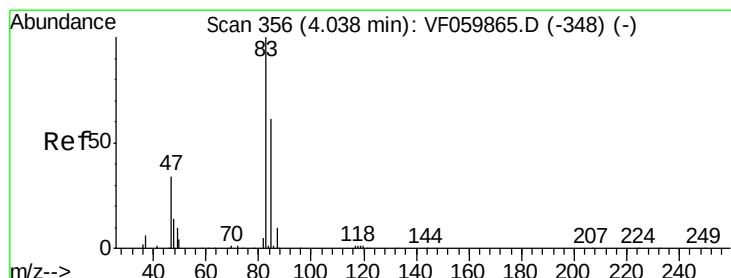
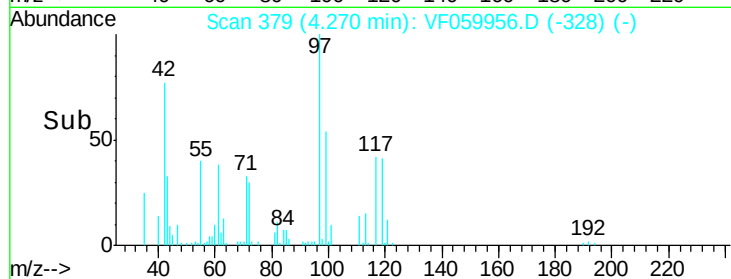
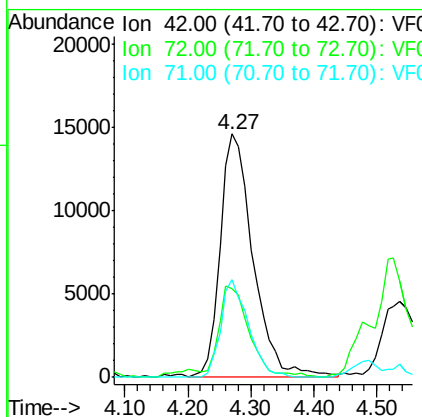
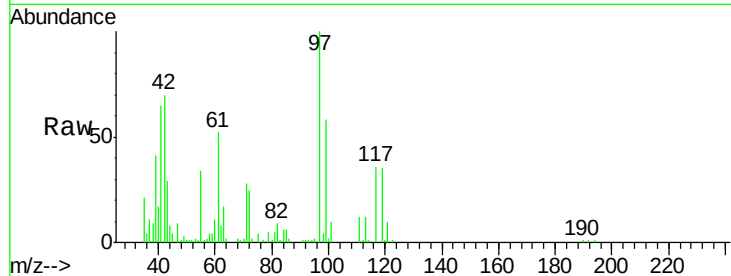




#29
Tetrahydrofuran
Concen: 328.71 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

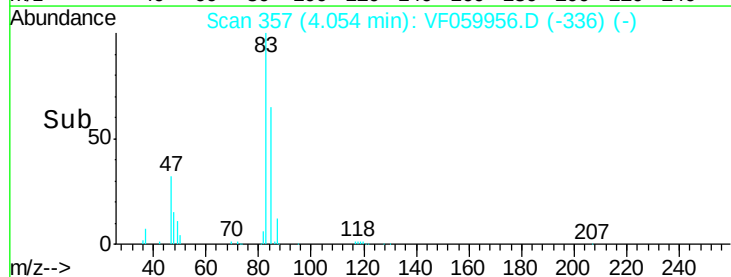
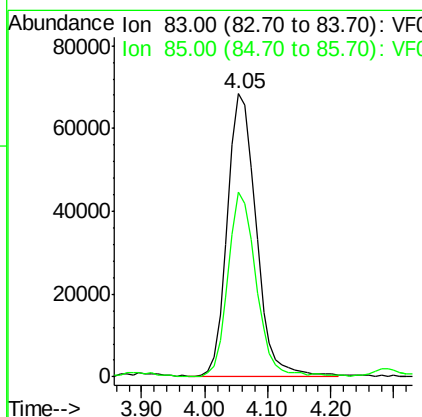
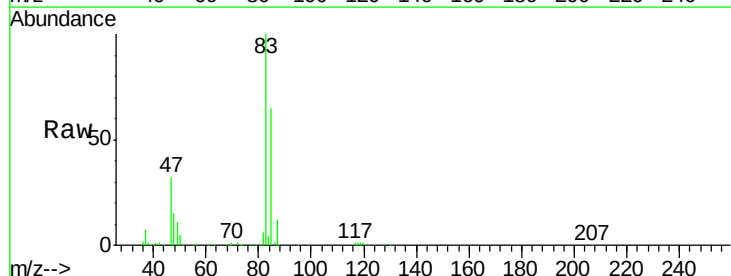
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

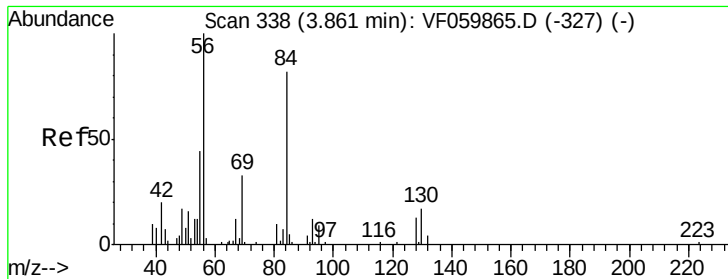
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.7	41.5
71	33.9	28.2	42.4



#30
Chloroform
Concen: 63.87 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.4	81.6

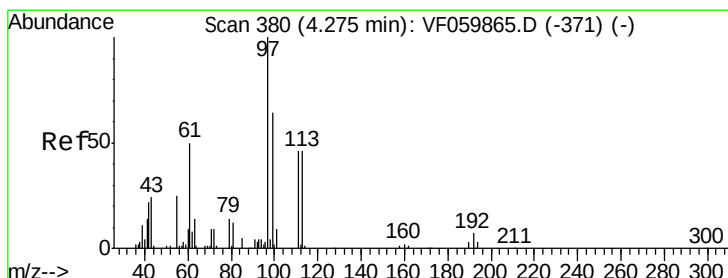
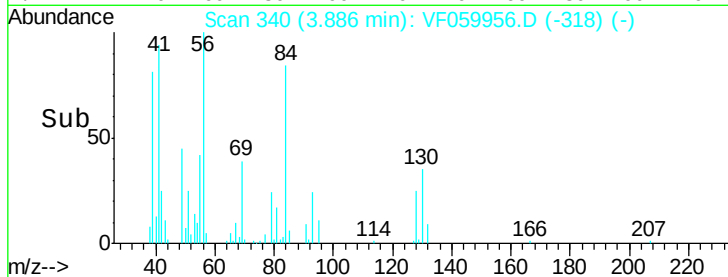
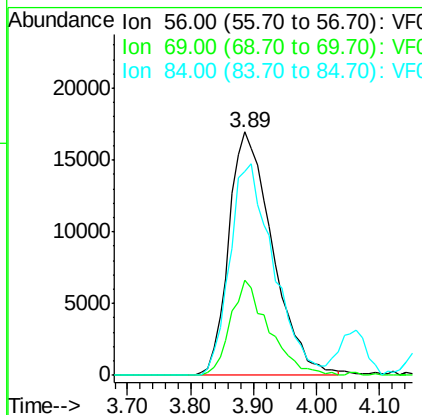
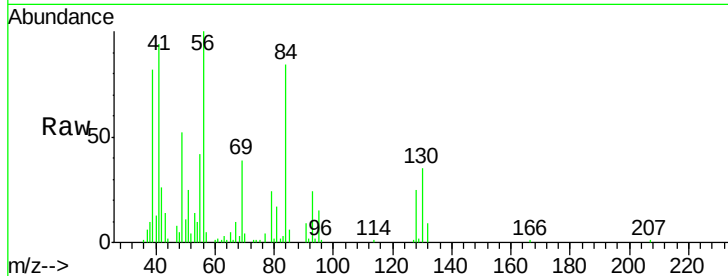




#31
Cyclohexane
Concen: 65.26 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

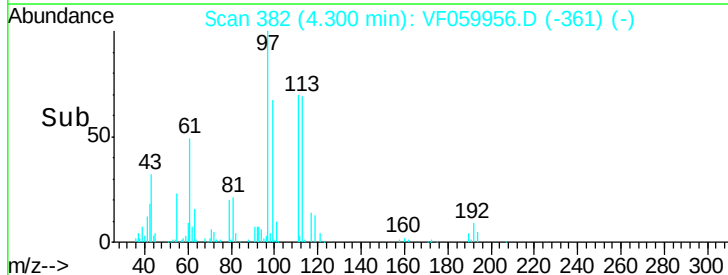
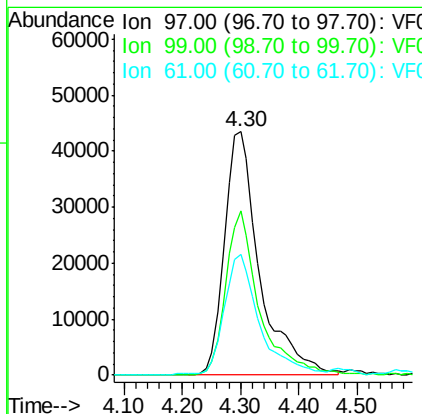
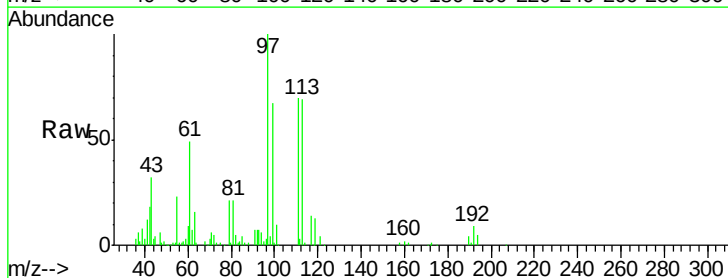
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

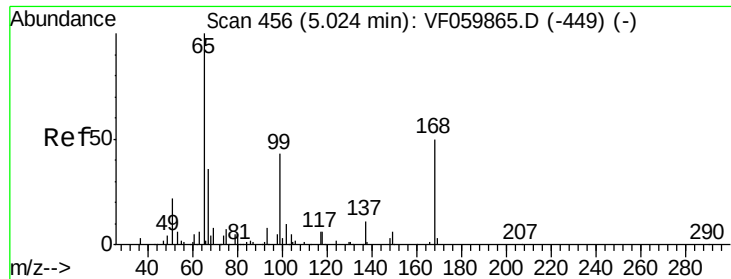
Tot Ion	56	Resp	81256
Ion	Ratio	Lower	Upper
56	100		
69	39.1	26.2	39.2
84	83.9	61.0	91.4



#32
1,1,1-Trichloroethane
Concen: 67.00 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	97	Resp	183268
Ion	Ratio	Lower	Upper
97	100		
99	67.5	53.0	79.4
61	49.4	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 70.44 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

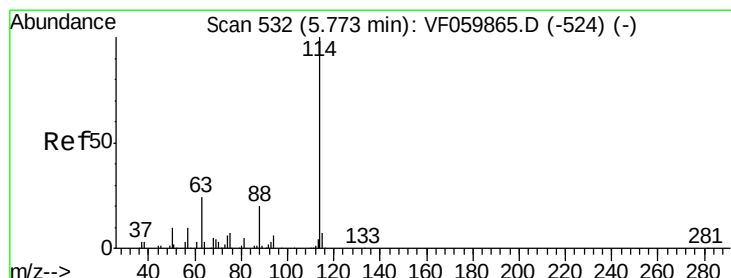
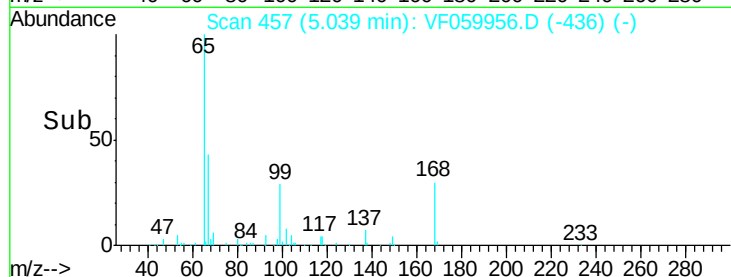
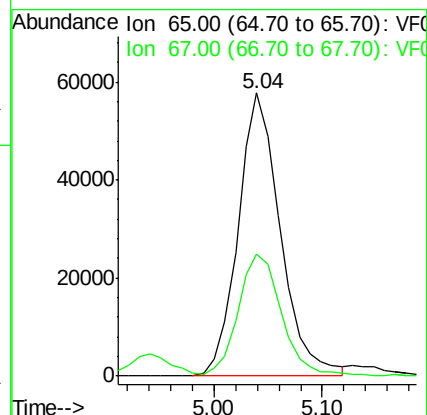
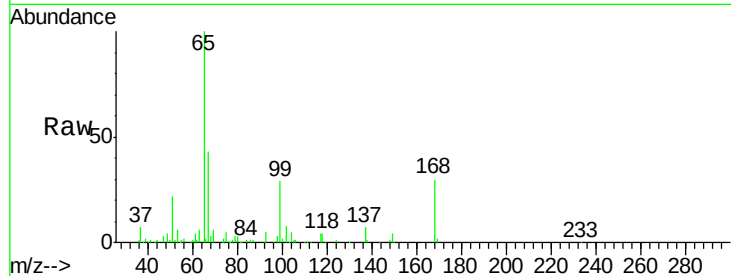
VSTDIC075

Tot Ion: 65 Resp: 156077

Ion Ratio Lower Upper

65 100

67 43.3 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

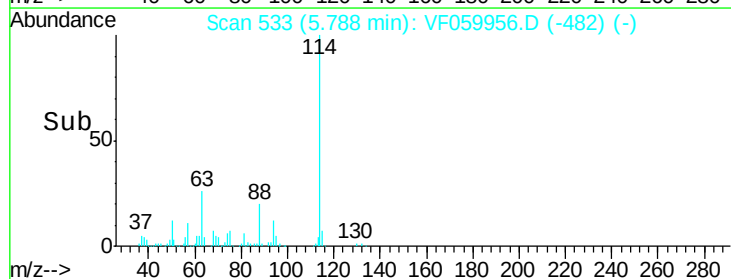
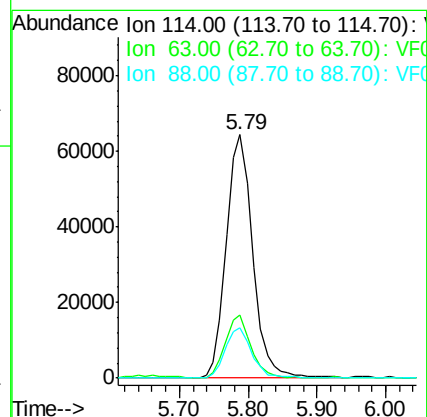
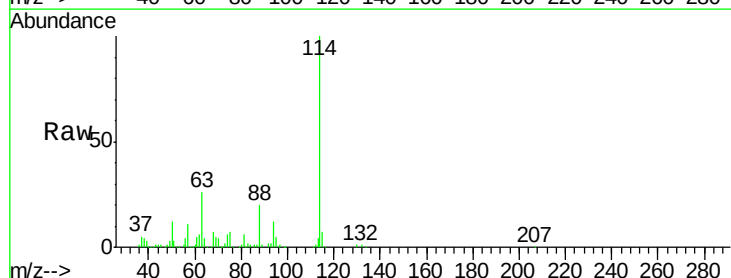
Tgt Ion: 114 Resp: 172140

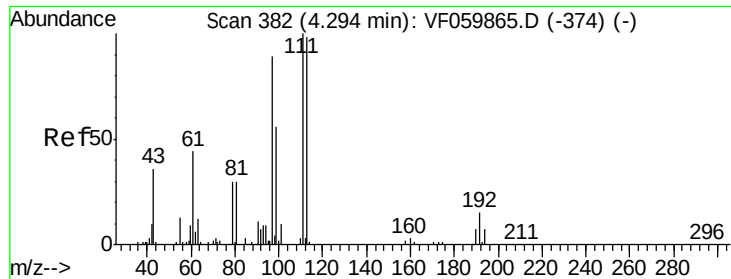
Ion Ratio Lower Upper

114 100

63 25.9 0.0 50.2

88 20.4 0.0 46.8





#35

Dibromofluoromethane

Concen: 72.46 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

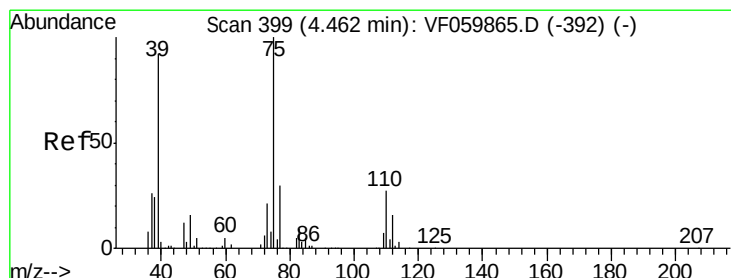
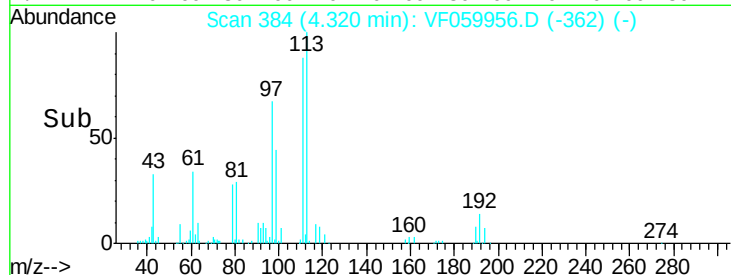
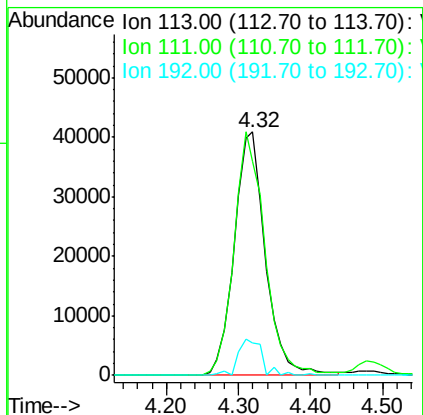
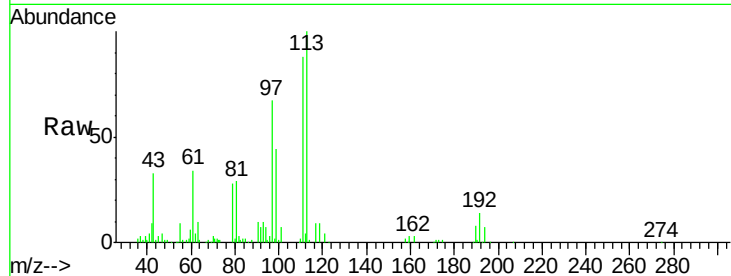
Tot Ion:113 Resp: 123171

Ion Ratio Lower Upper

113 100

111 88.2 80.6 121.0

192 13.6 11.7 17.5



#36

1,1-Dichloropropene

Concen: 69.25 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

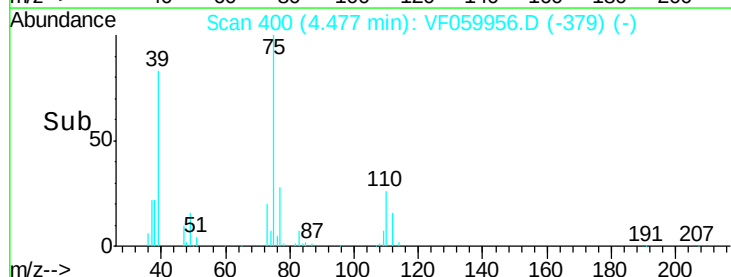
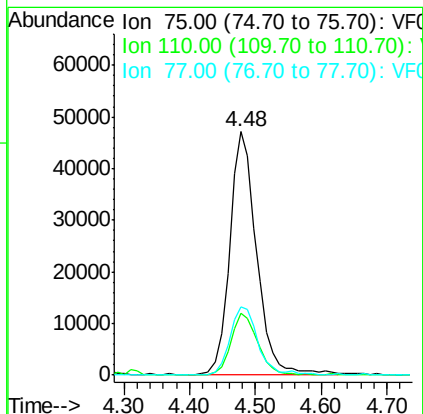
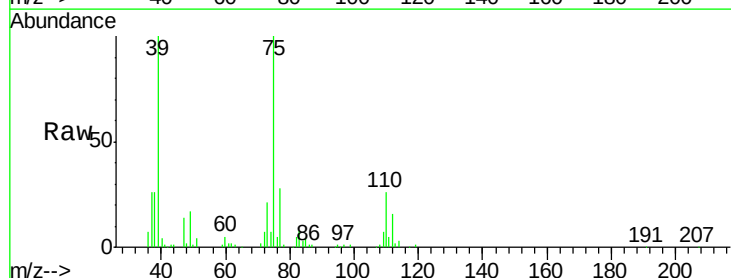
Tgt Ion: 75 Resp: 135321

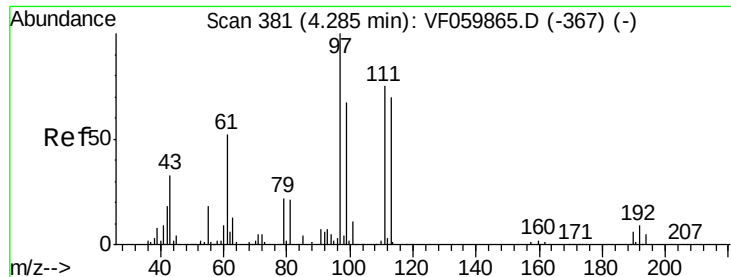
Ion Ratio Lower Upper

75 100

110 25.6 12.6 37.8

77 27.9 22.7 34.1





#37

Ethyl Acetate

Concen: 68.49 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

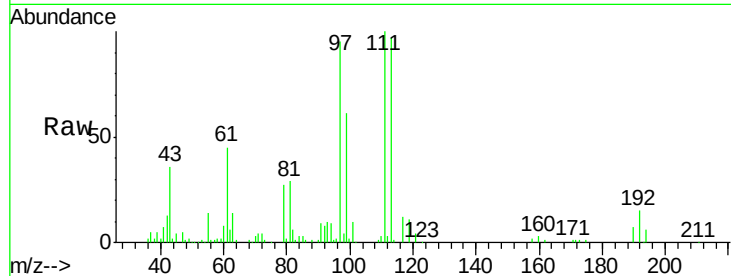
Tot Ion: 43 Resp: 57424

Ion Ratio Lower Upper

43 100

61 125.7 84.3 126.5

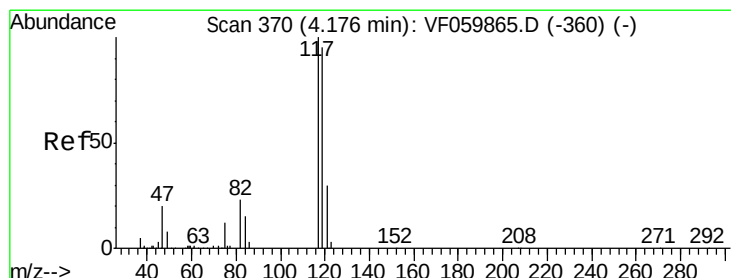
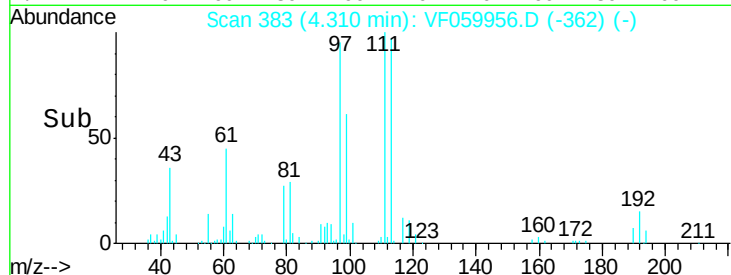
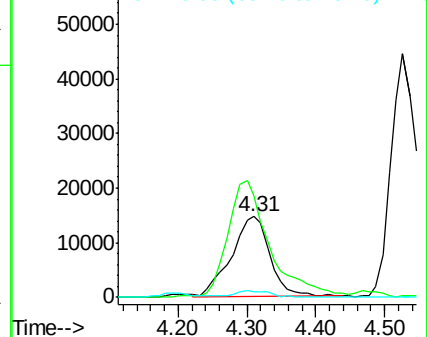
70 7.4 5.5 8.3



Abundance Ion 43.00 (42.70 to 43.70): VF059865.D (-367) (-)

Ion 61.00 (60.70 to 61.70): VF059865.D (-367) (-)

Ion 70.00 (69.70 to 70.70): VF059865.D (-367) (-)



#38

Carbon Tetrachloride

Concen: 72.42 ug/l

RT: 4.19 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

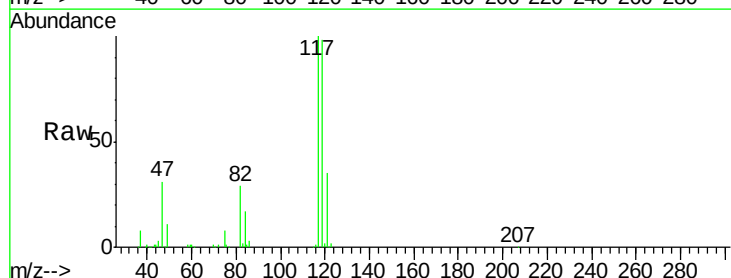
Tgt Ion: 117 Resp: 211084

Ion Ratio Lower Upper

117 100

119 98.1 76.9 115.3

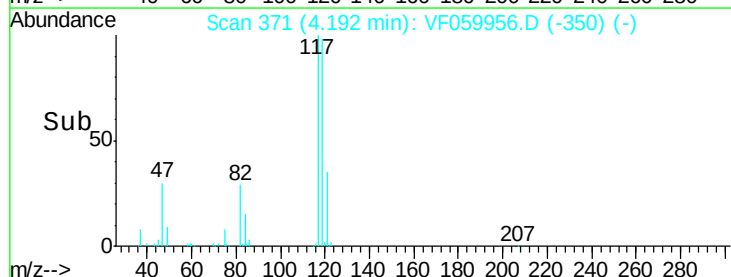
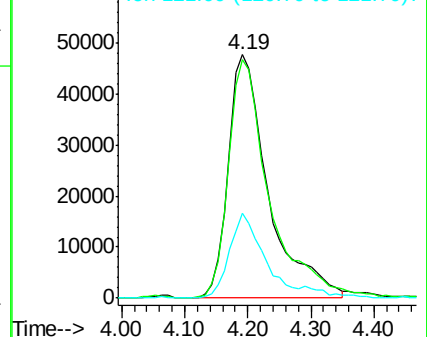
121 35.1 24.9 37.3

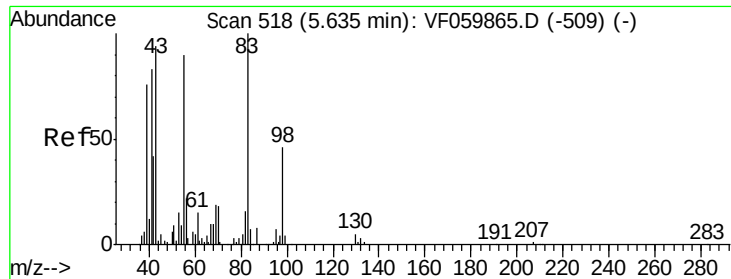


Abundance Ion 117.00 (116.70 to 117.70): VF059865.D (-360) (-)

Ion 119.00 (118.70 to 119.70): VF059865.D (-360) (-)

Ion 121.00 (120.70 to 121.70): VF059865.D (-360) (-)

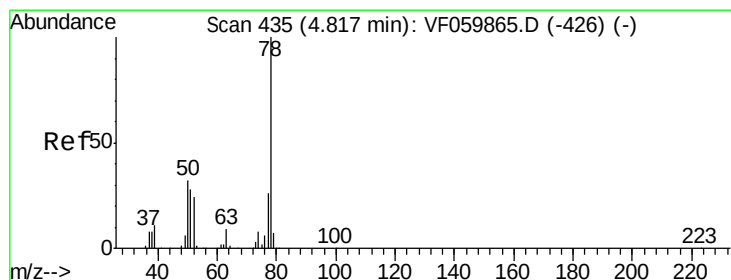
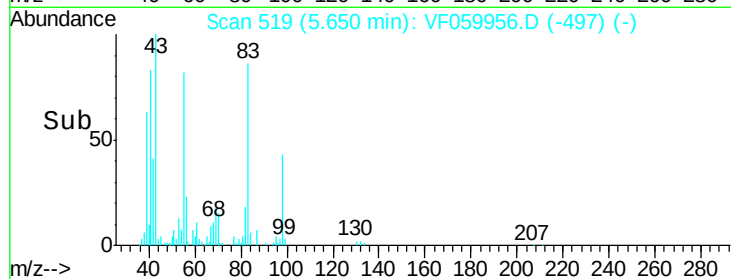
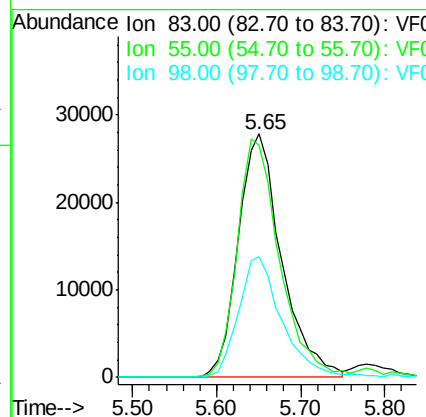
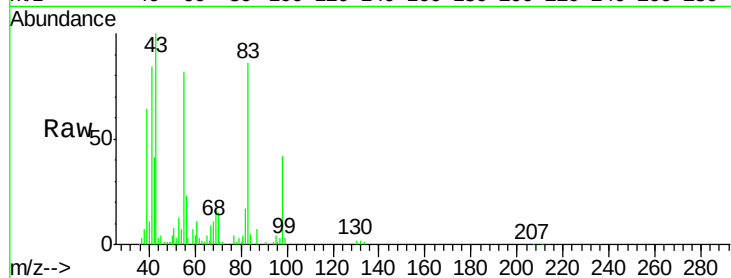




#39
Methylcyclohexane
Concen: 68.63 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

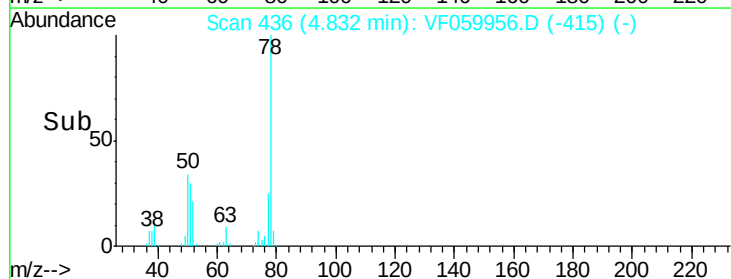
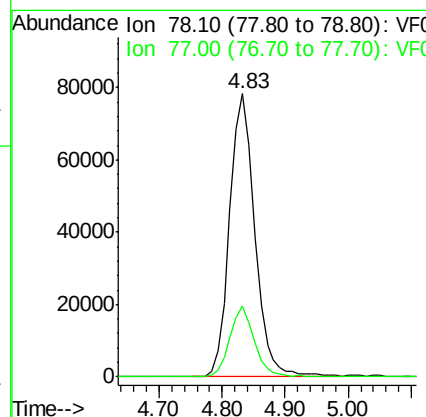
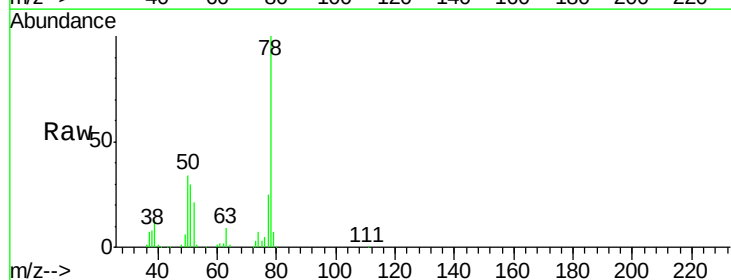
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

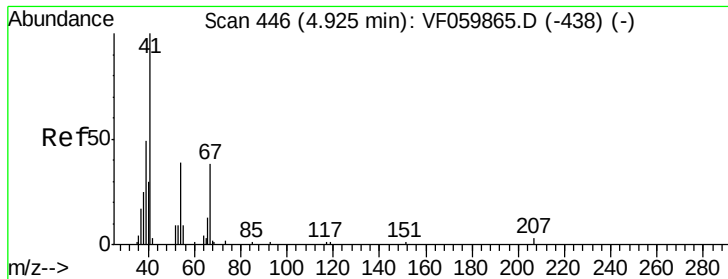
Tot Ion: 83 Resp: 100033
Ion Ratio Lower Upper
83 100
55 95.5 77.4 116.2
98 49.6 41.5 62.3



#40
Benzene
Concen: 65.37 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 78 Resp: 218243
Ion Ratio Lower Upper
78 100
77 25.1 21.1 31.7

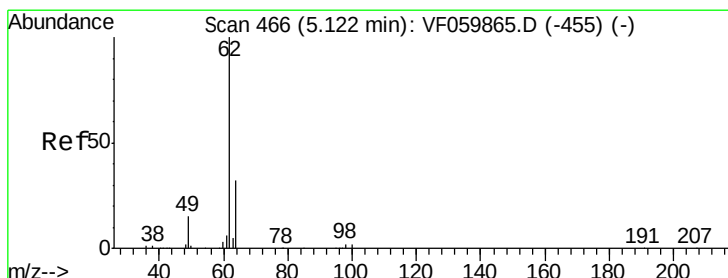
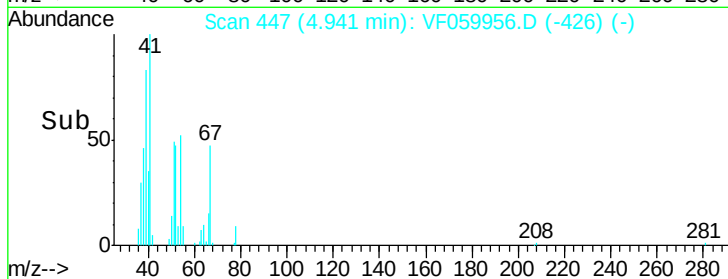
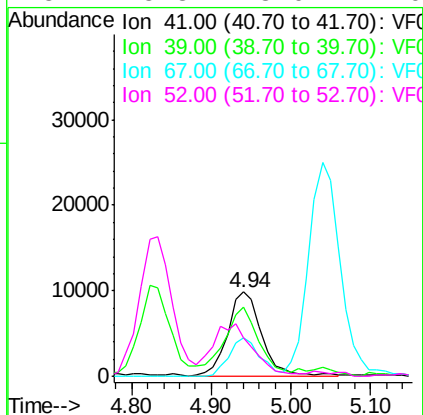
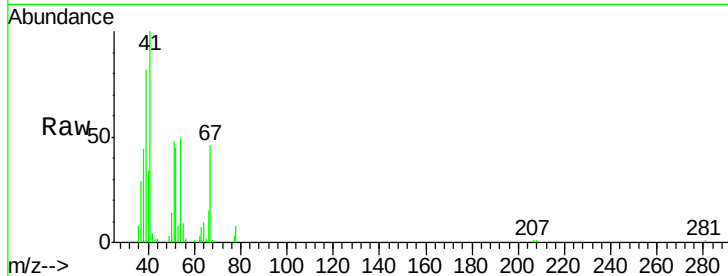




#41
Methacrylonitrile
Concen: 67.44 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

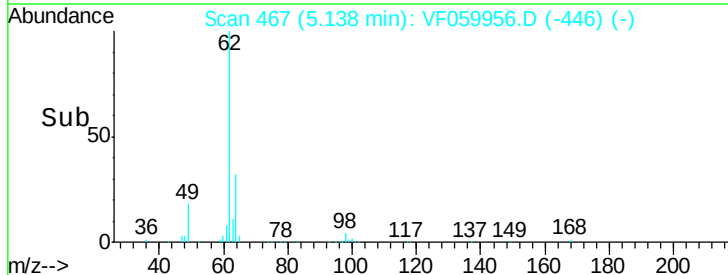
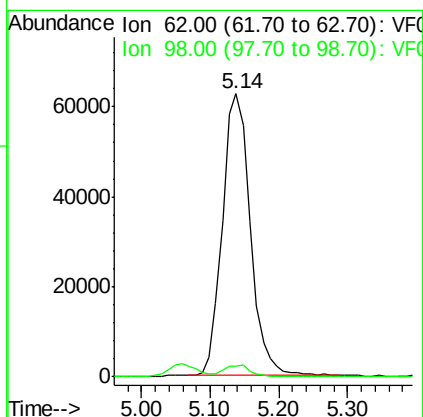
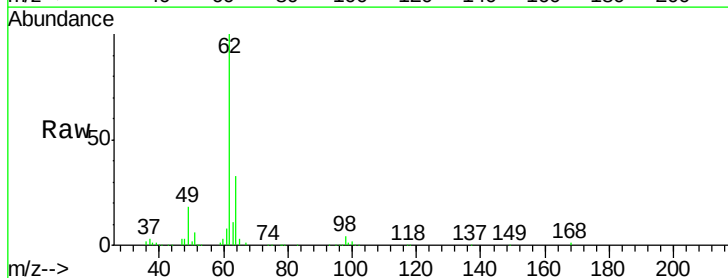
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

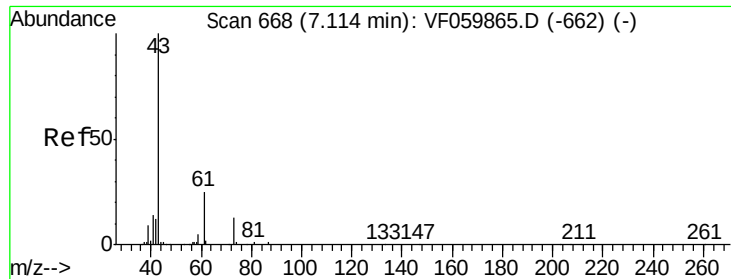
Tot Ion: 41 Resp: 29594
Ion Ratio Lower Upper
41 100
39 82.3 75.7 113.5
67 45.7 36.1 54.1
52 45.3 48.0 72.0#



#42
1,2-Dichloroethane
Concen: 64.85 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion: 62 Resp: 176730
Ion Ratio Lower Upper
62 100
98 3.7 0.0 5.0





#43

Isopropyl Acetate

Concen: 73.43 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

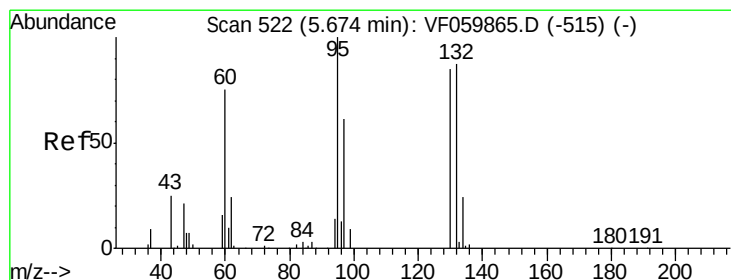
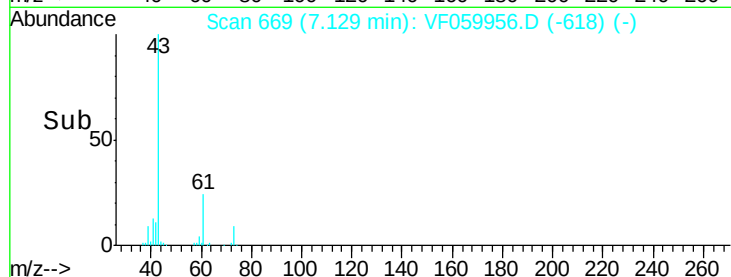
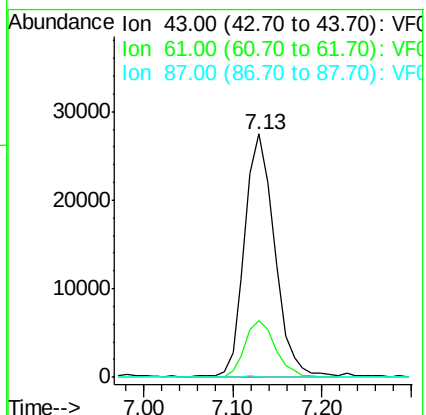
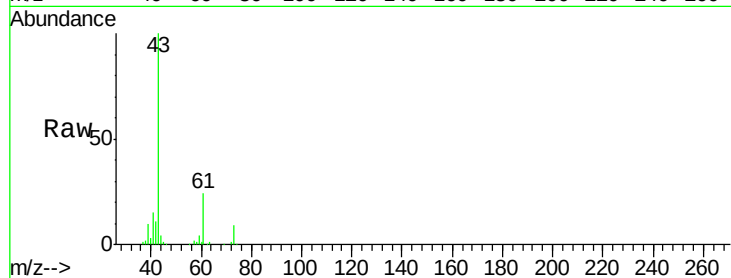
Tot Ion: 43 Resp: 64842

Ion Ratio Lower Upper

43 100

61 23.6 18.6 27.8

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 65.40 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.01 min

Lab File: VF059956.D

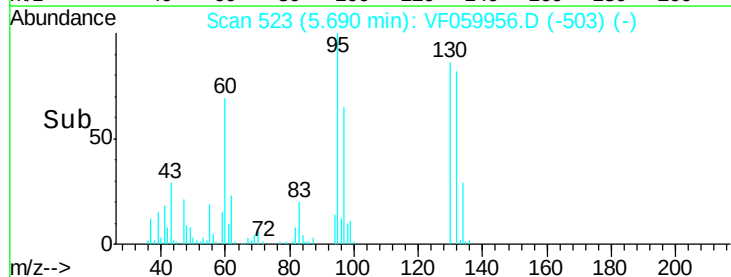
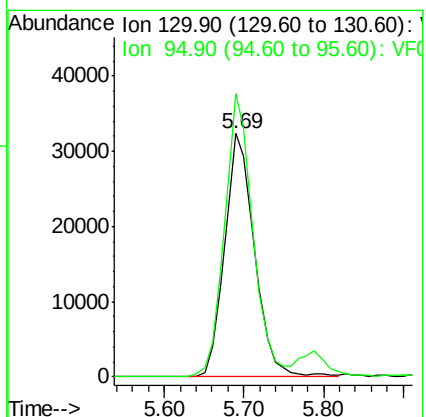
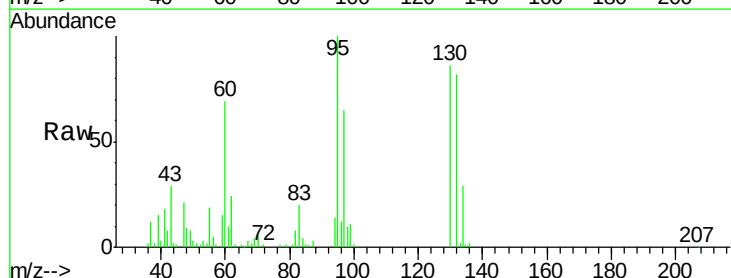
Acq: 14 Aug 2018 20:32

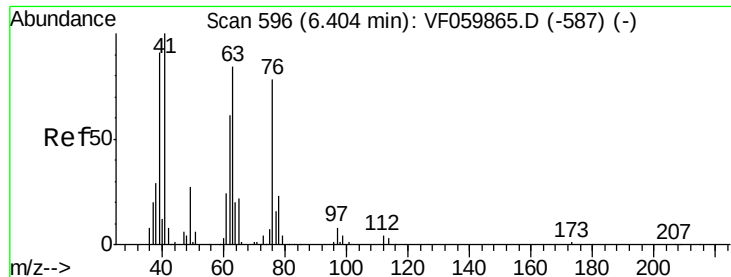
Tgt Ion: 130 Resp: 85018

Ion Ratio Lower Upper

130 100

95 116.2 0.0 222.0





#45

1,2-Dichloropropane

Concen: 68.77 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

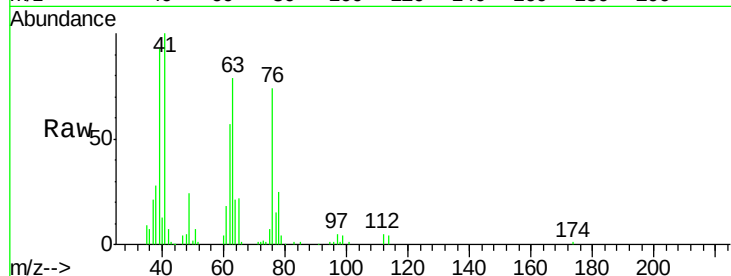
VSTDIC075

Tot Ion: 63 Resp: 61748

Ion Ratio Lower Upper

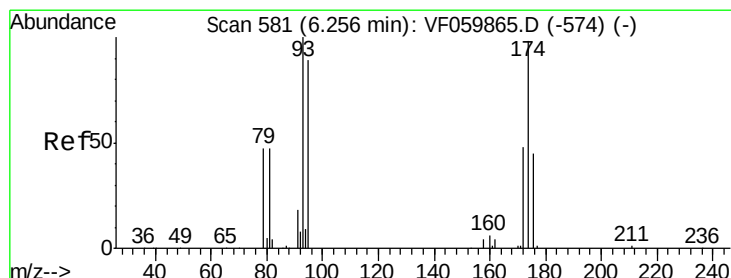
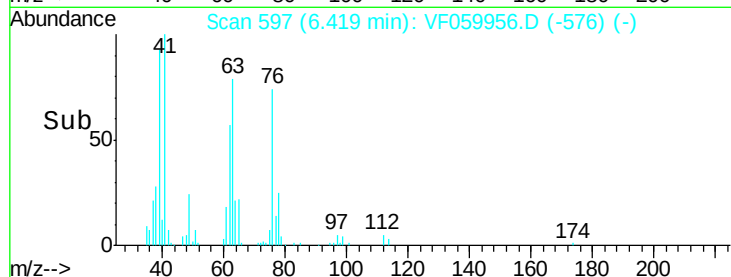
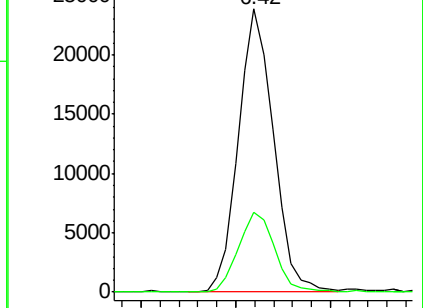
63 100

65 28.1 27.8 41.6



Abundance Ion 63.00 (62.70 to 63.70): VF059865.D (-587) (-)

Ion 65.00 (64.70 to 65.70): VF059865.D (-587) (-)



#46

Dibromomethane

Concen: 64.70 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

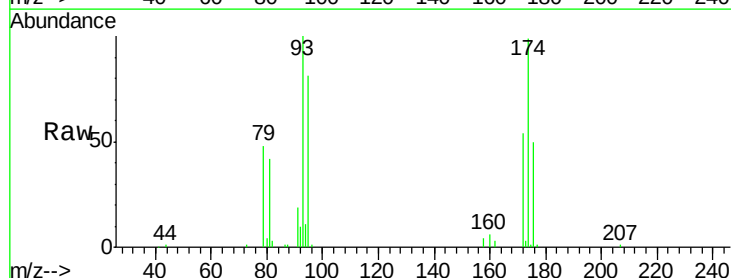
Tgt Ion: 93 Resp: 58899

Ion Ratio Lower Upper

93 100

95 81.2 72.4 108.6

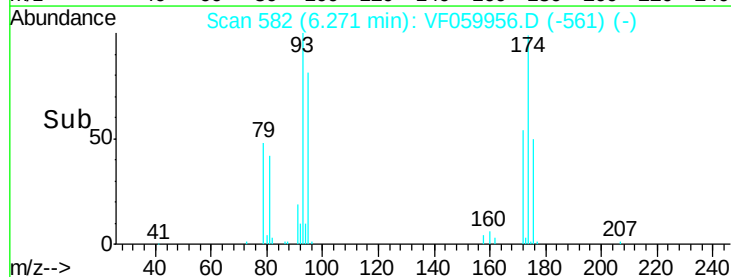
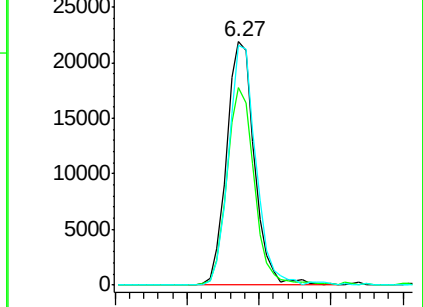
174 100.0 75.9 113.9

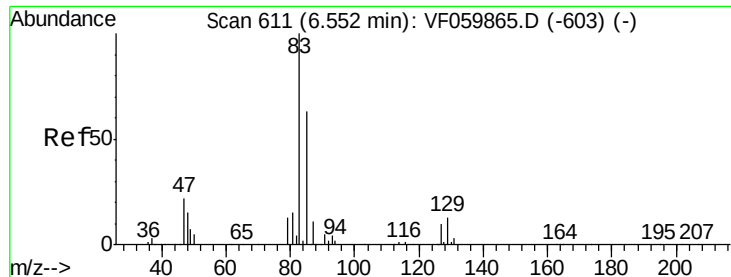


Abundance Ion 93.00 (92.70 to 93.70): VF059865.D (-574) (-)

Ion 95.00 (94.70 to 95.70): VF059865.D (-574) (-)

Ion 174.00 (173.70 to 174.70): VF059865.D (-574) (-)





#47

Bromodichloromethane

Concen: 66.71 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

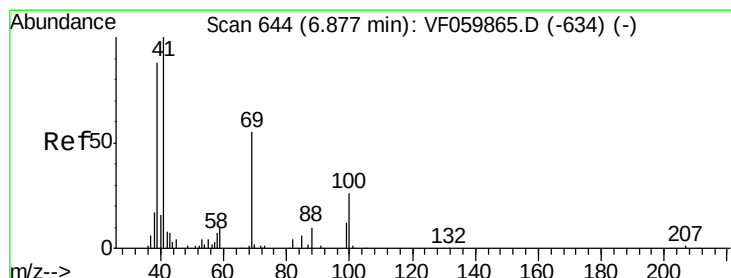
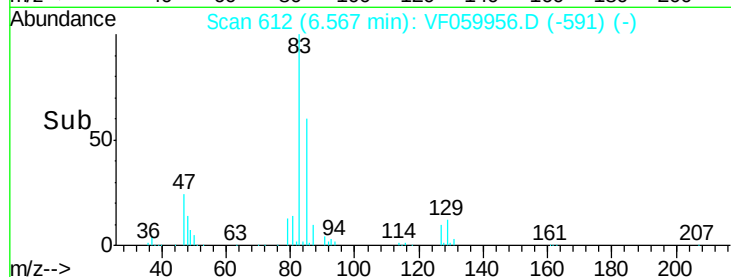
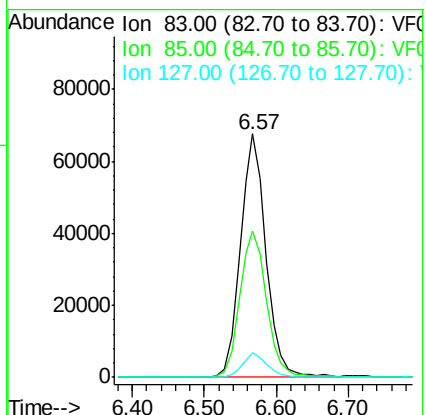
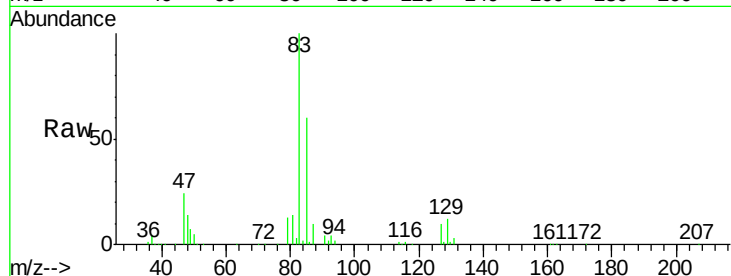
Tot Ion: 83 Resp: 166364

Ion Ratio Lower Upper

83 100

85 60.3 51.5 77.3

127 10.0 7.5 11.3



#48

Methyl methacrylate

Concen: 78.35 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

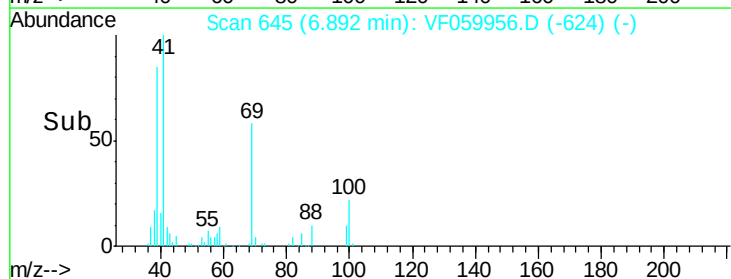
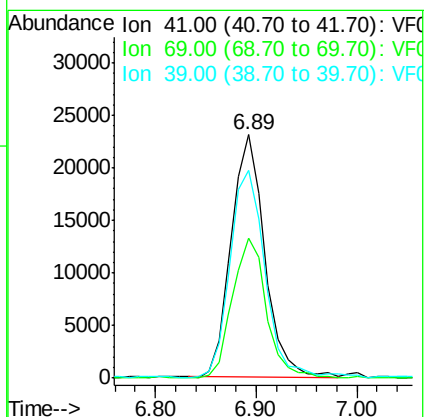
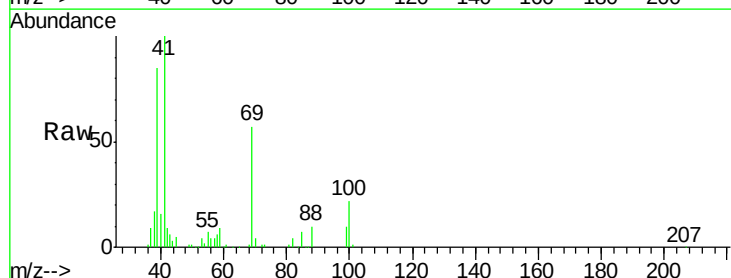
Tgt Ion: 41 Resp: 53396

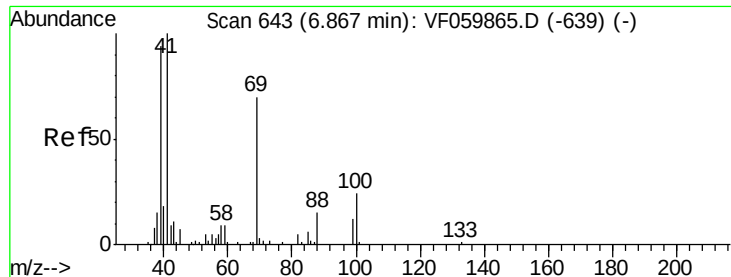
Ion Ratio Lower Upper

41 100

69 57.3 54.8 82.2

39 85.4 75.1 112.7

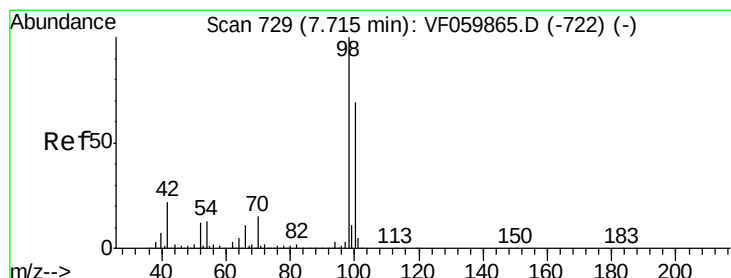
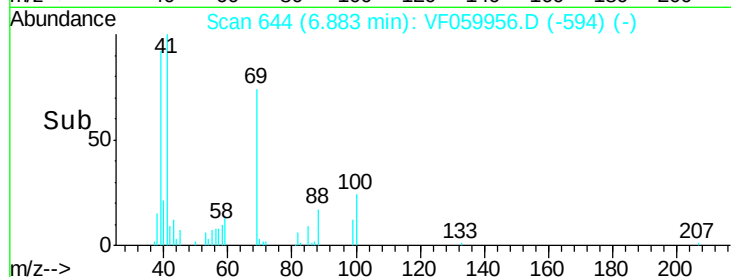
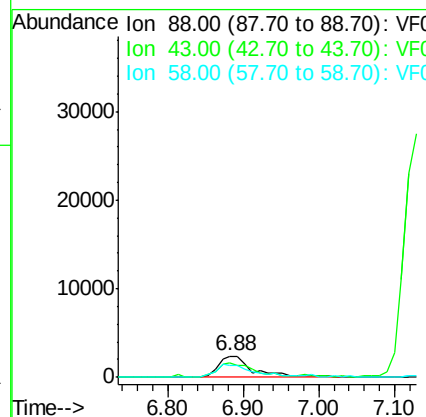
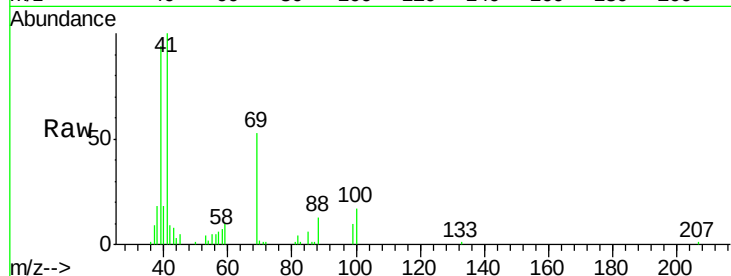




#49
 1,4-Dioxane
 Concen: 1508.29 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

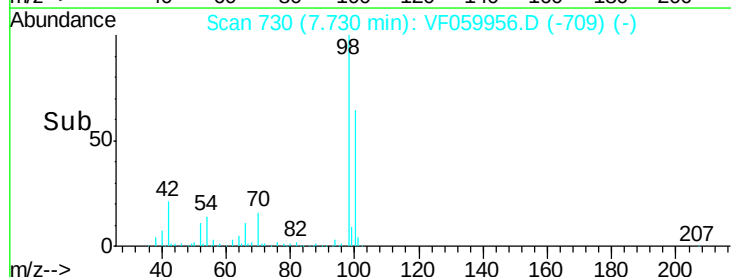
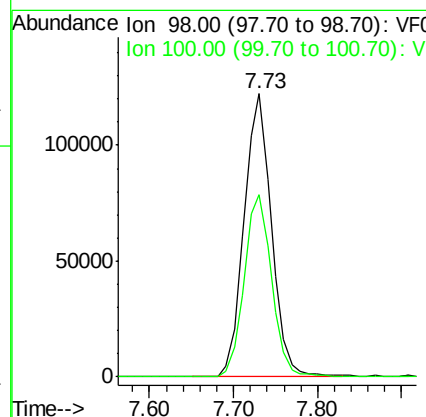
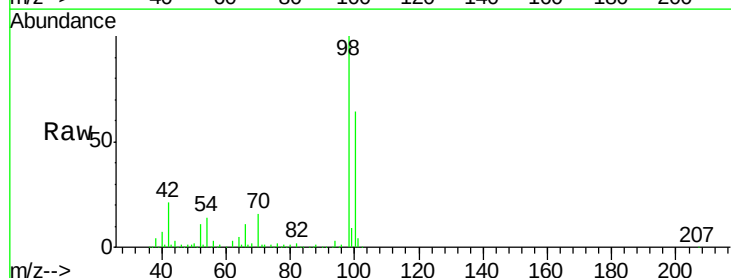
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

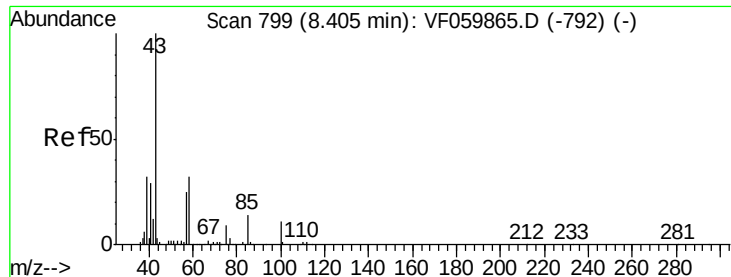
Tot Ion: 88 Resp: 7814
 Ion Ratio Lower Upper
 88 100
 43 67.4 47.9 71.9
 58 54.6 52.0 78.0



#50
 Toluene-d8
 Concen: 76.04 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion: 98 Resp: 277621
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 343.93 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

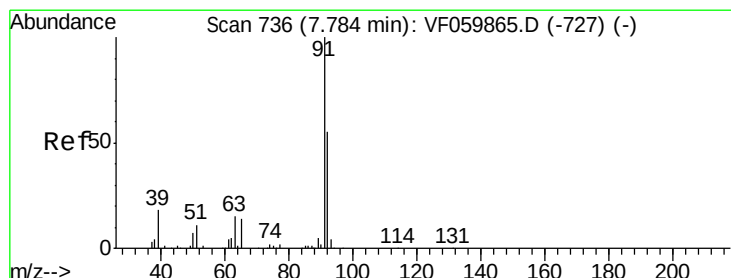
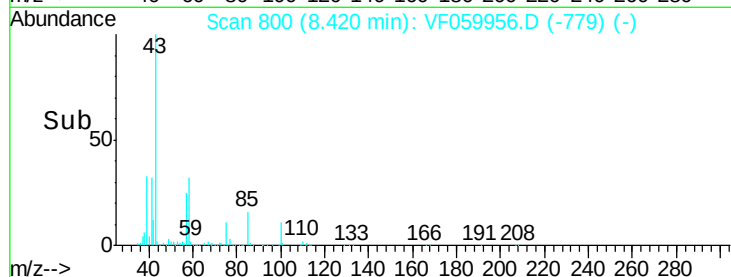
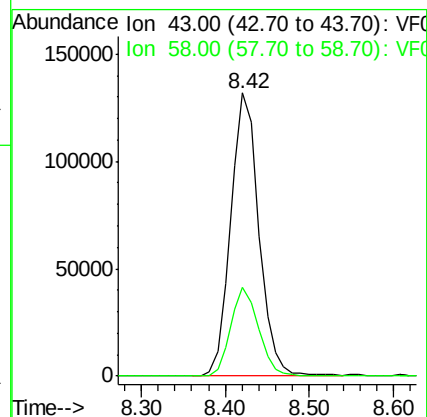
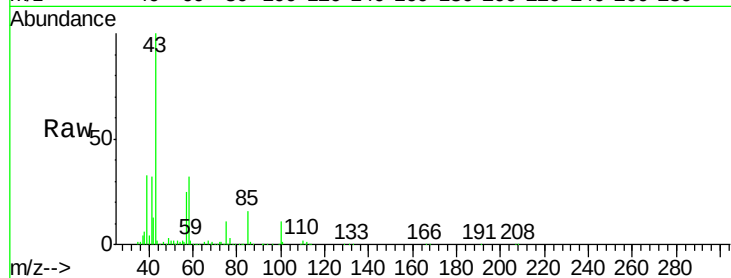
VSTDIC075

Tot Ion: 43 Resp: 308439

Ion Ratio Lower Upper

43 100

58 31.5 24.2 36.4



#52

Toluene

Concen: 65.80 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059956.D

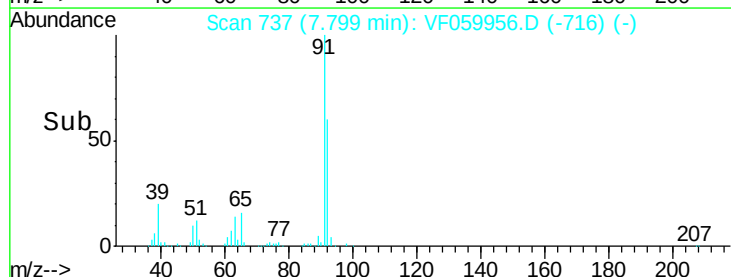
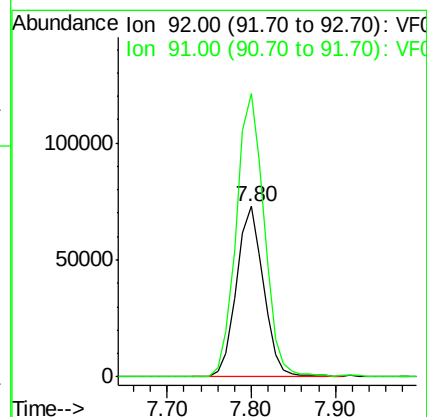
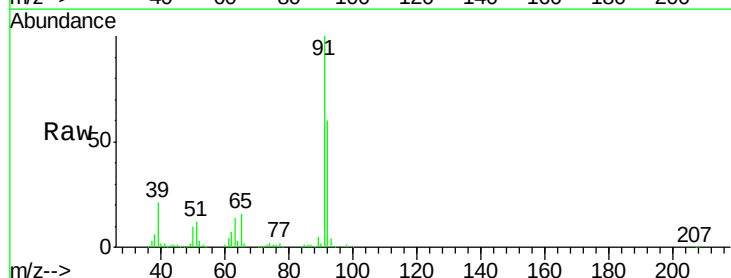
Acq: 14 Aug 2018 20:32

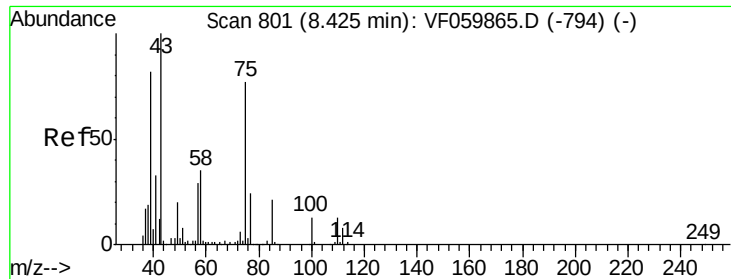
Tgt Ion: 92 Resp: 163319

Ion Ratio Lower Upper

92 100

91 166.2 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 71.53 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

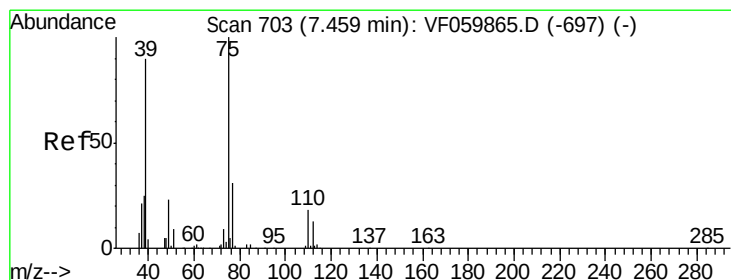
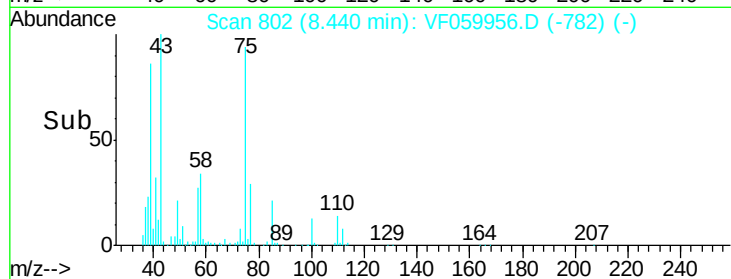
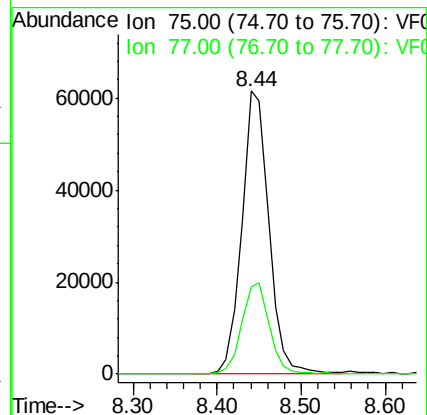
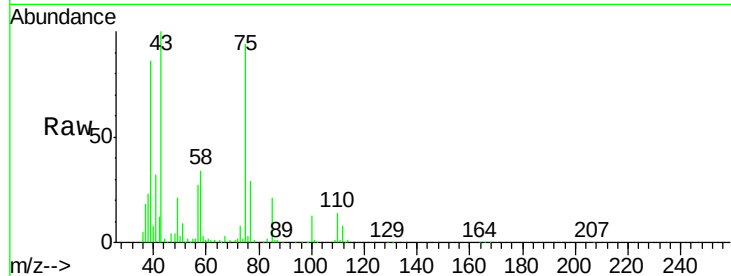
VSTDIC075

Tot Ion: 75 Resp: 138122

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 71.76 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

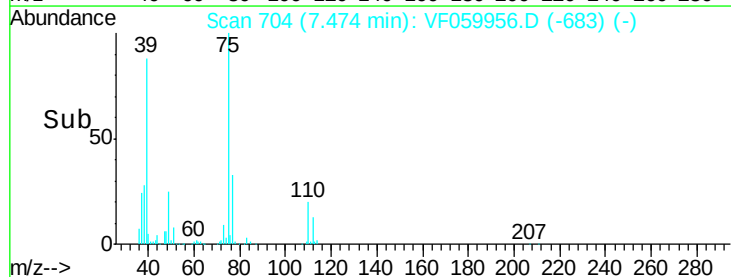
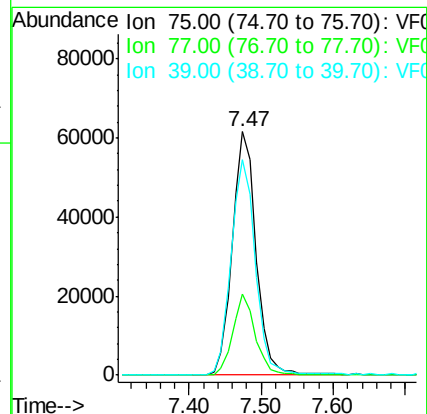
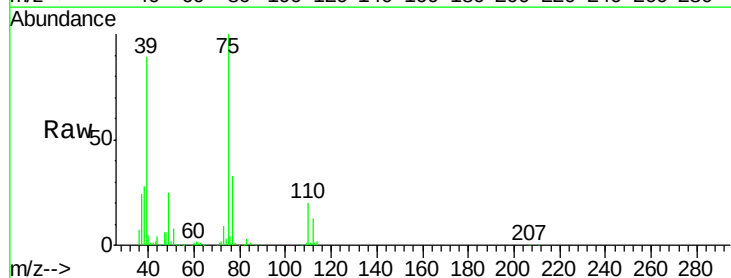
Tgt Ion: 75 Resp: 141604

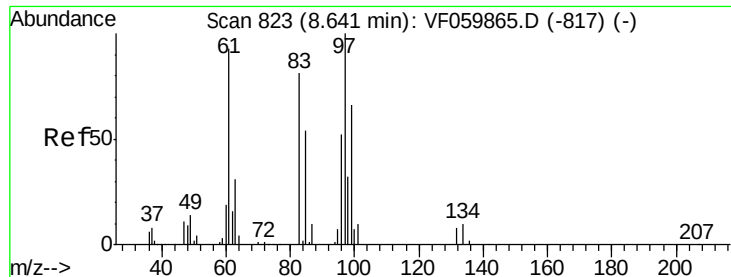
Ion Ratio Lower Upper

75 100

77 33.3 26.1 39.1

39 88.6 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 69.60 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 62133

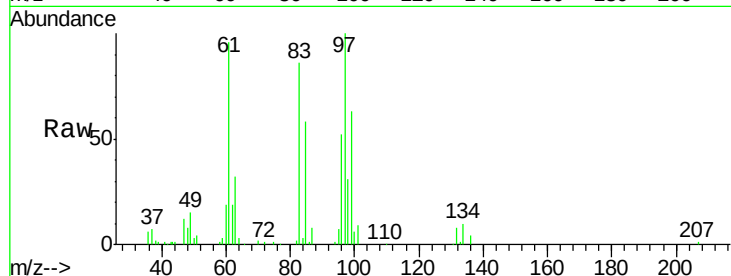
Ion Ratio Lower Upper

97 100

83 86.3 70.0 105.0

85 58.1 45.2 67.8

99 62.5 49.7 74.5



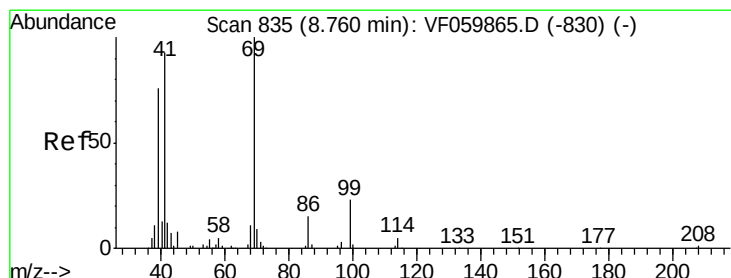
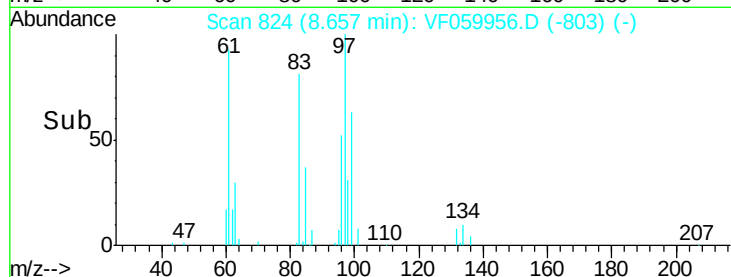
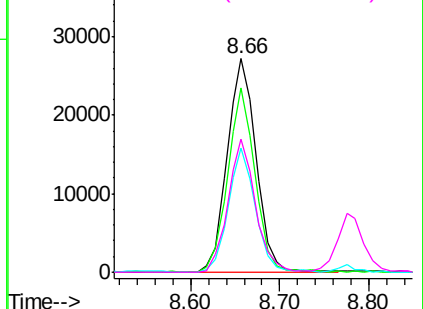
Abundance

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: 68.38 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

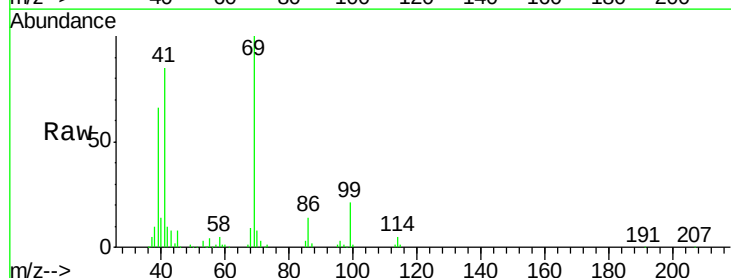
Tgt Ion: 69 Resp: 68886

Ion Ratio Lower Upper

69 100

41 85.1 68.7 103.1

39 65.7 58.5 87.7

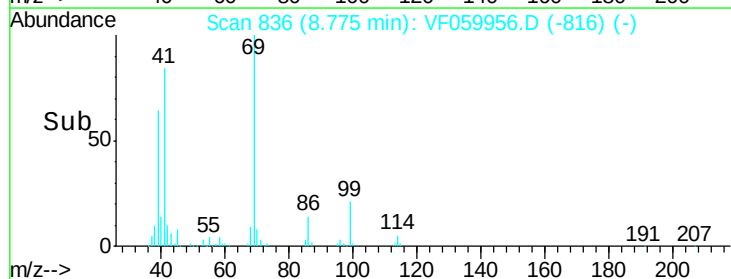
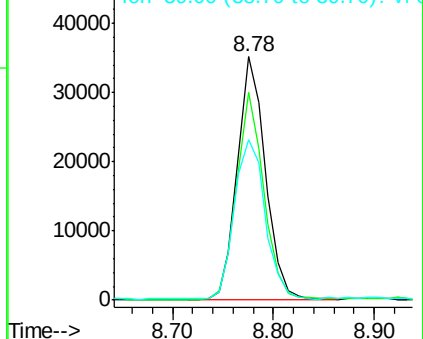


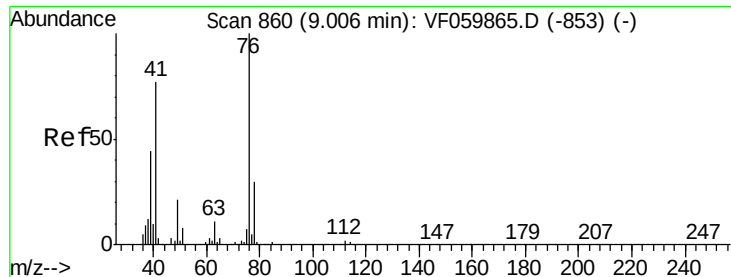
Abundance

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: 68.05 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

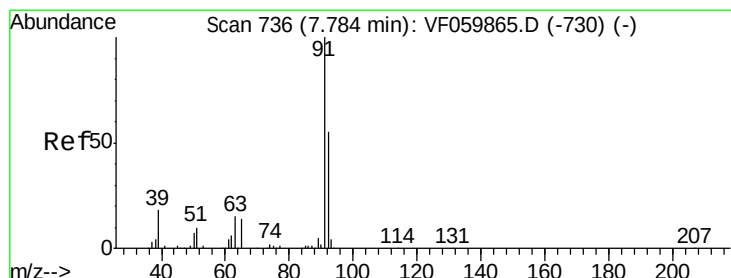
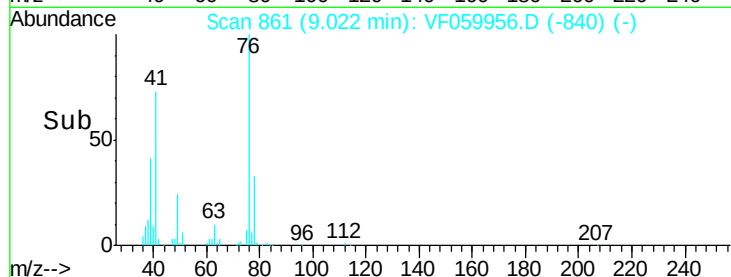
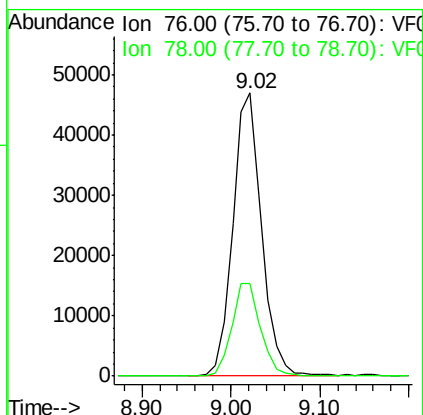
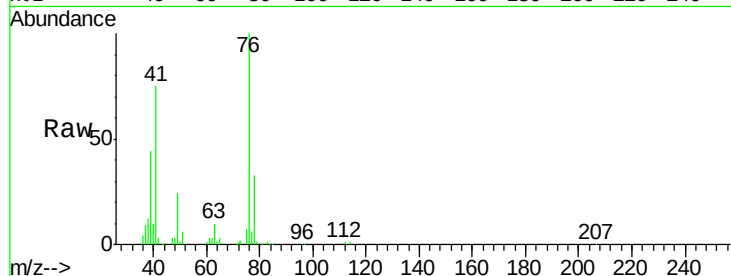
VSTDIC075

Tot Ion: 76 Resp: 105468

Ion Ratio Lower Upper

76 100

78 32.6 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 339.51 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059956.D

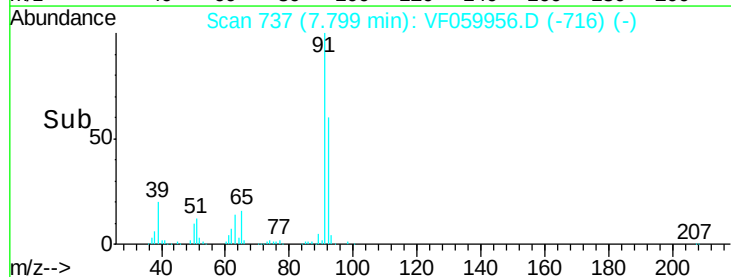
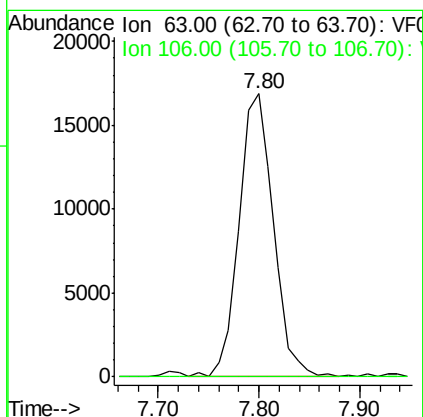
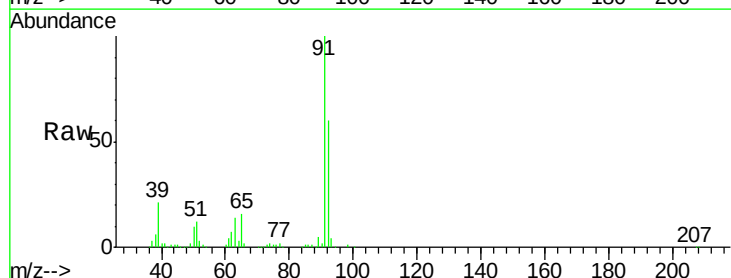
Acq: 14 Aug 2018 20:32

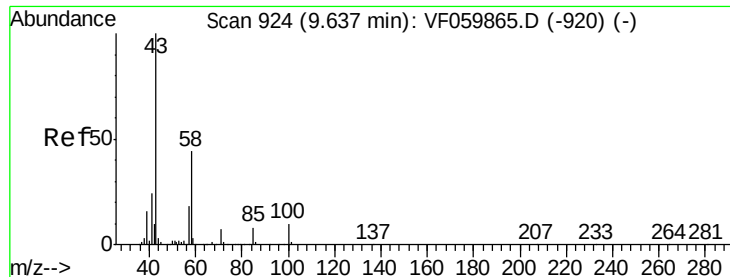
Tgt Ion: 63 Resp: 40091

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

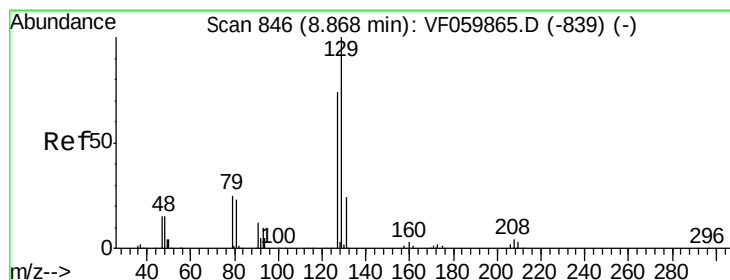
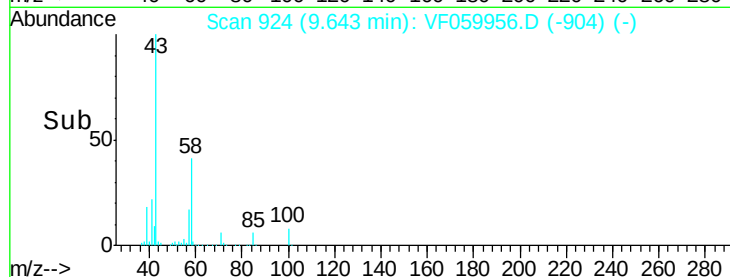
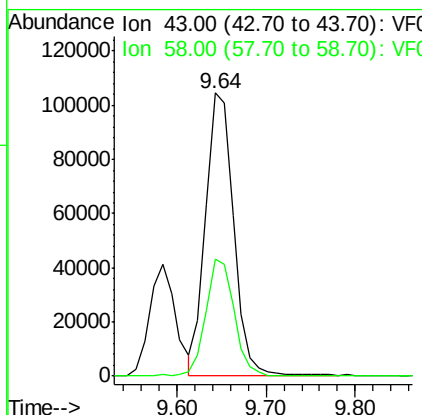
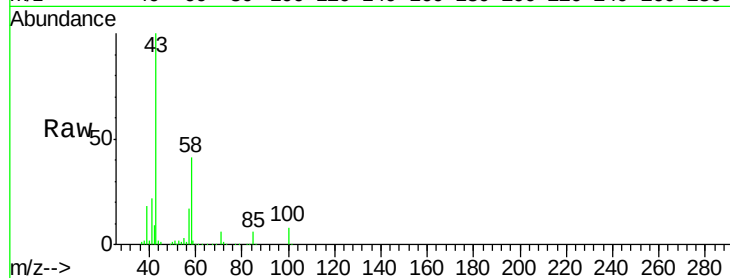




#59
 2-Hexanone
 Concen: 356.43 ug/l
 RT: 9.64 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

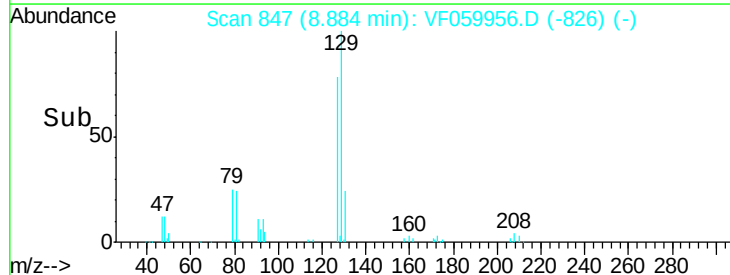
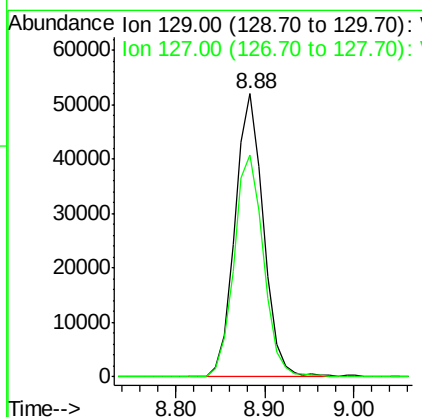
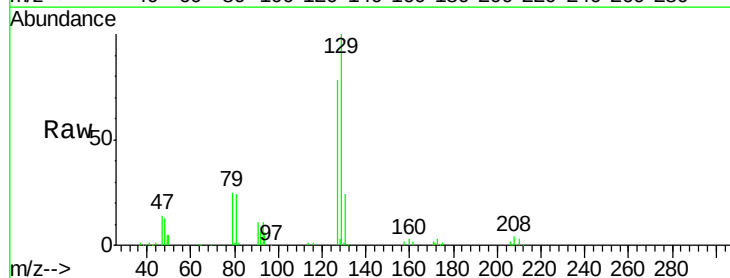
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

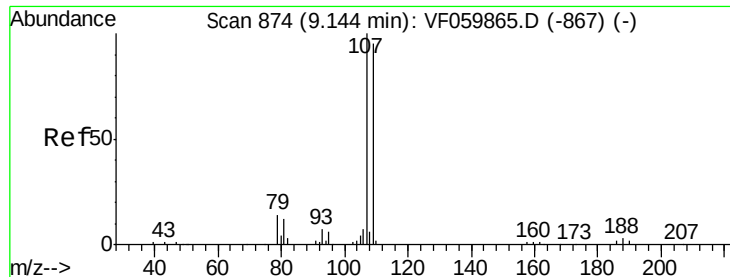
Tot Ion: 43 Resp: 227153
 Ion Ratio Lower Upper
 43 100
 58 41.2 19.4 58.2



#60
 Dibromochloromethane
 Concen: 69.17 ug/l
 RT: 8.88 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion: 129 Resp: 116411
 Ion Ratio Lower Upper
 129 100
 127 78.5 40.0 119.9





#61

1,2-Dibromoethane

Concen: 68.23 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

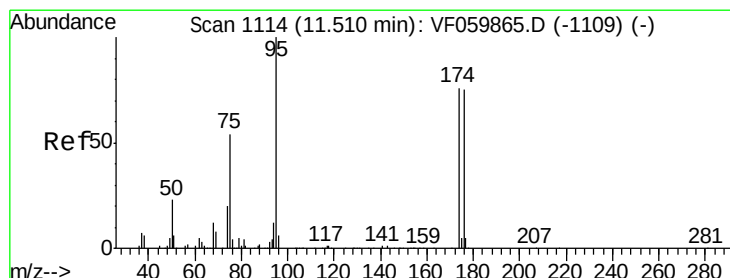
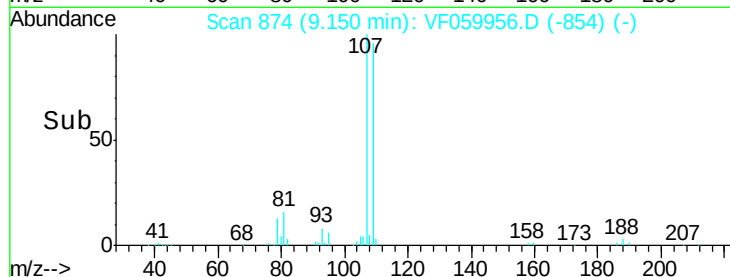
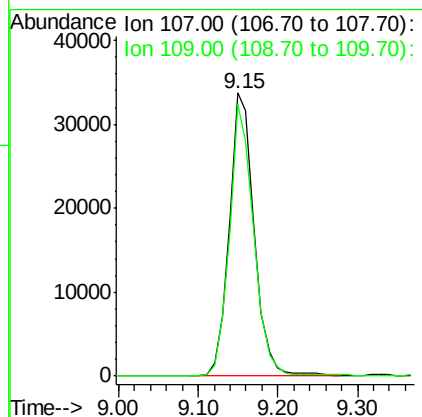
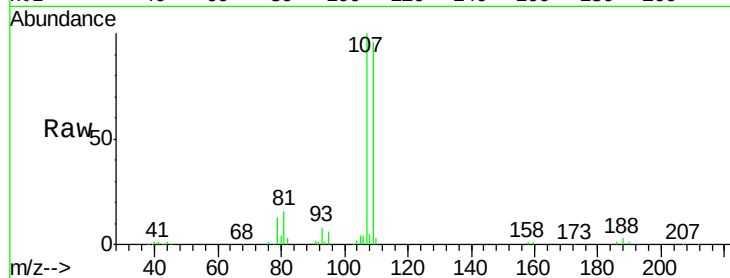
VSTDIC075

Tot Ion:107 Resp: 74193

Ion Ratio Lower Upper

107 100

109 95.9 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 75.98 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

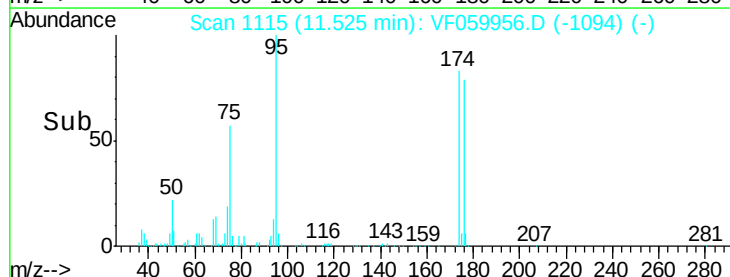
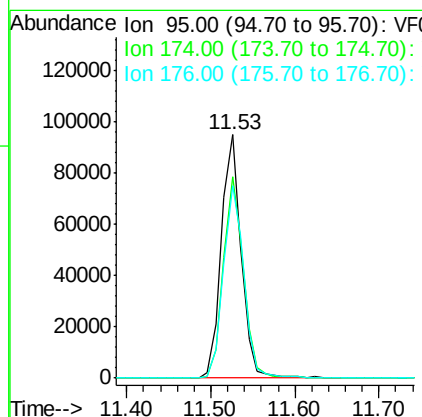
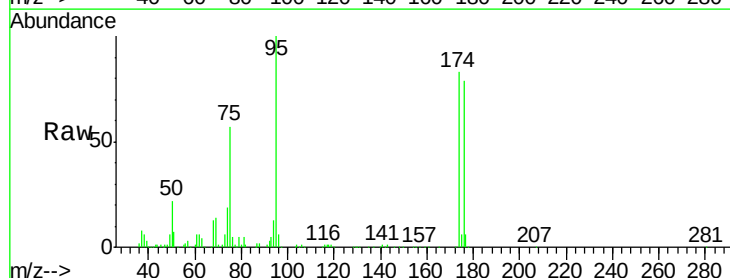
Tgt Ion: 95 Resp: 156073

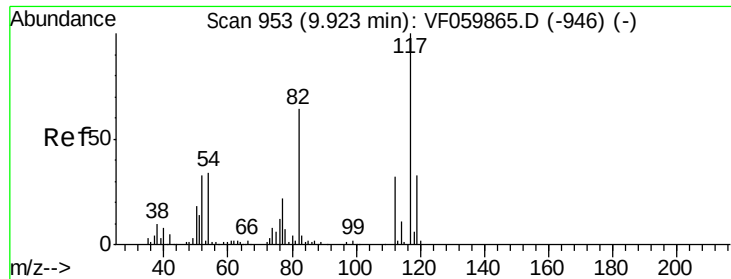
Ion Ratio Lower Upper

95 100

174 82.8 0.0 156.4

176 79.0 0.0 146.8

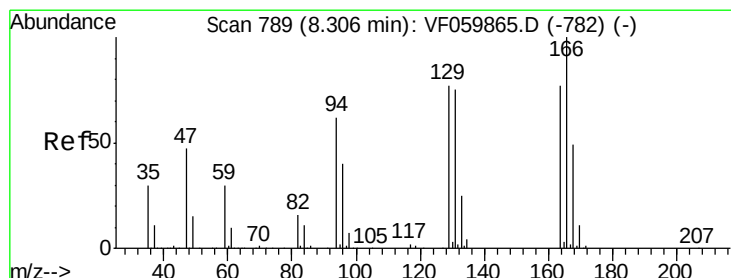
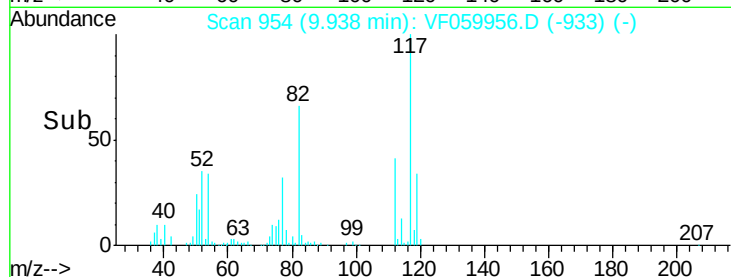
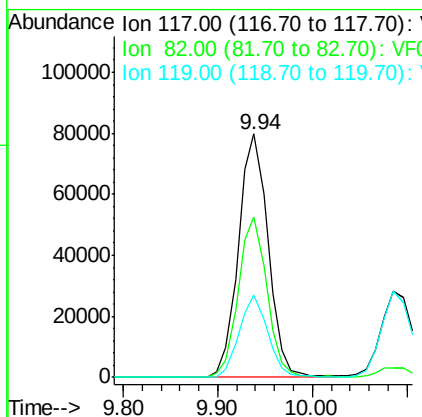
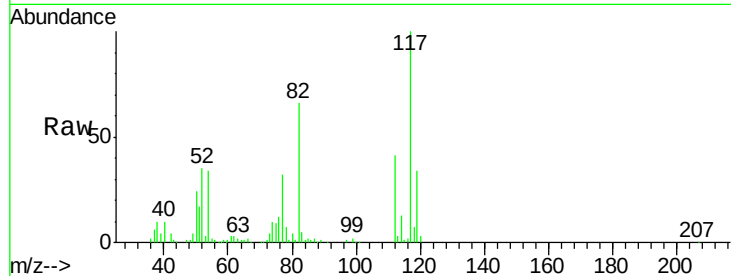




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

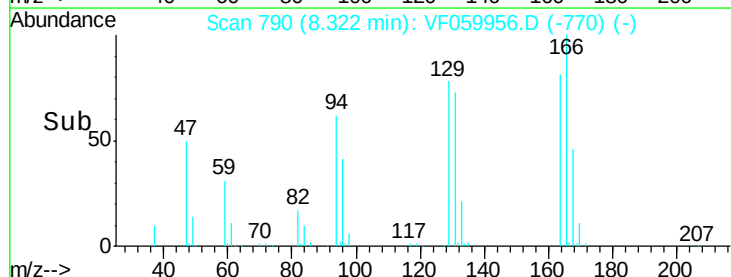
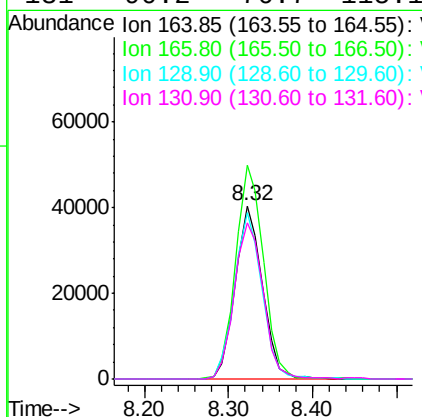
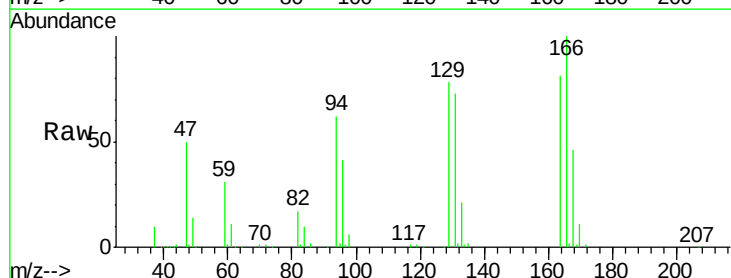
Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

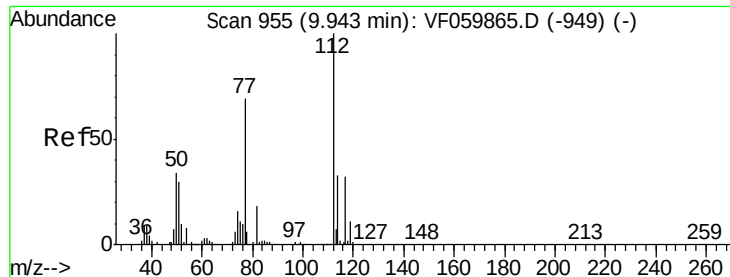
Tot Ion:117 Resp: 173940
Ion Ratio Lower Upper
117 100
82 66.1 48.3 72.5
119 34.0 25.7 38.5



#64
Tetrachloroethene
Concen: 62.68 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion:164 Resp: 91095
Ion Ratio Lower Upper
164 100
166 123.2 103.4 155.2
129 96.0 82.2 123.4
131 90.2 76.7 115.1





#65

Chlorobenzene

Concen: 67.19 ug/l

RT: 9.96 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

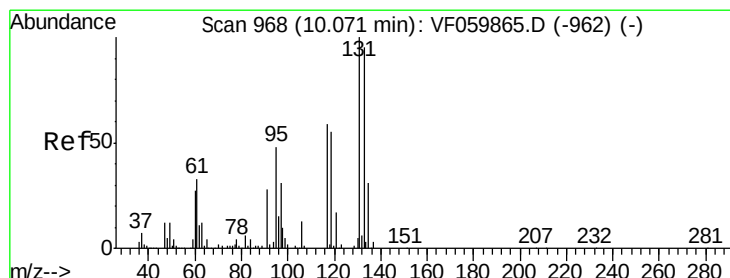
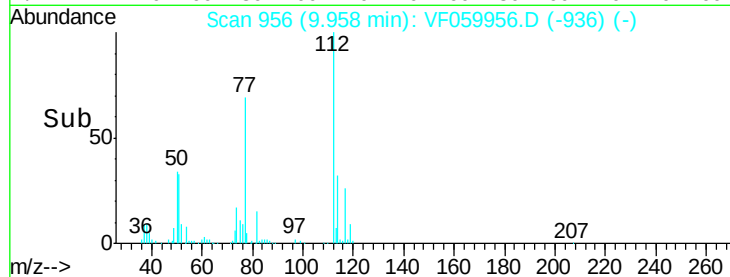
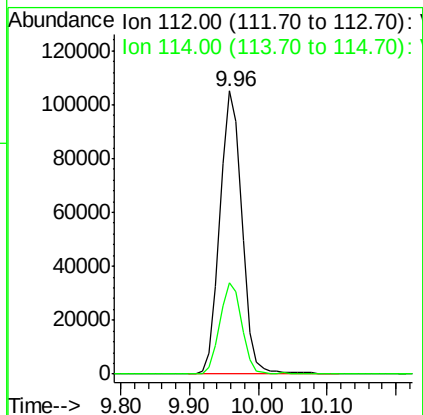
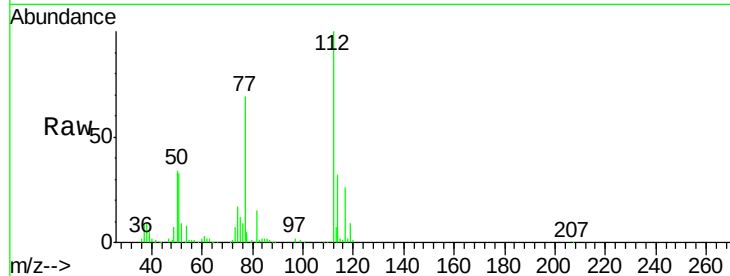
VSTDIC075

Tot Ion:112 Resp: 234054

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 66.66 ug/l

RT: 10.09 min Scan# 969

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

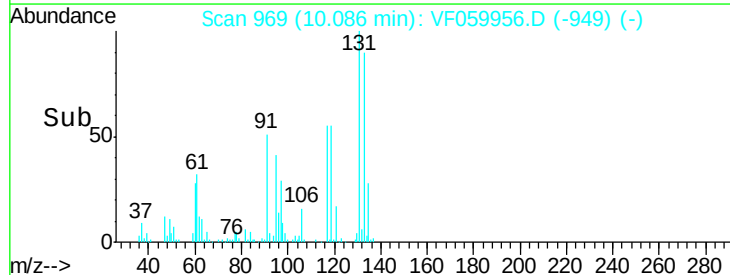
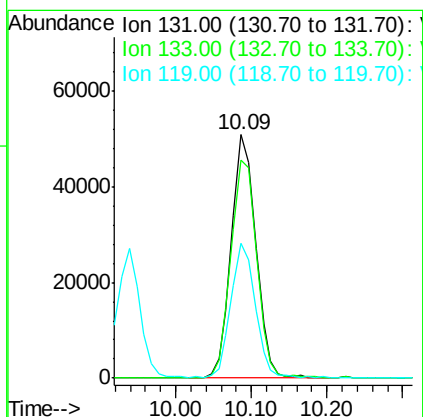
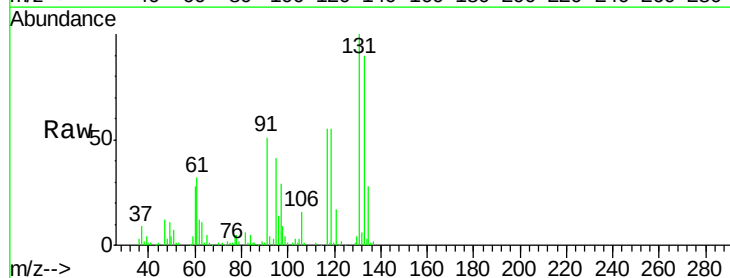
Tgt Ion:131 Resp: 114745

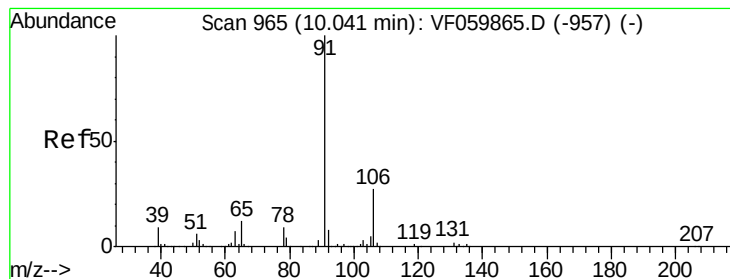
Ion Ratio Lower Upper

131 100

133 89.5 46.4 139.1

119 55.3 27.2 81.5





#67

Ethyl Benzene

Concen: 67.63 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

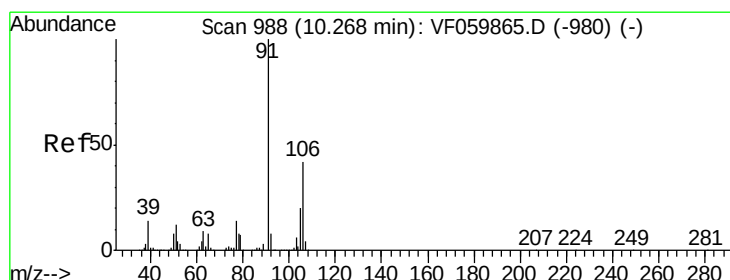
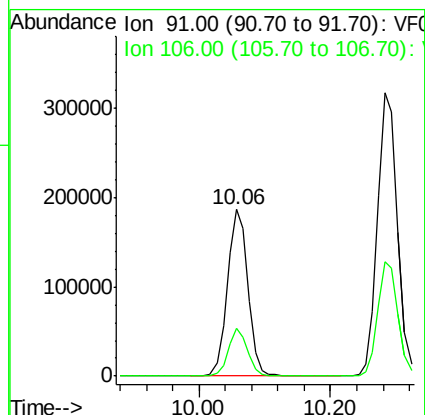
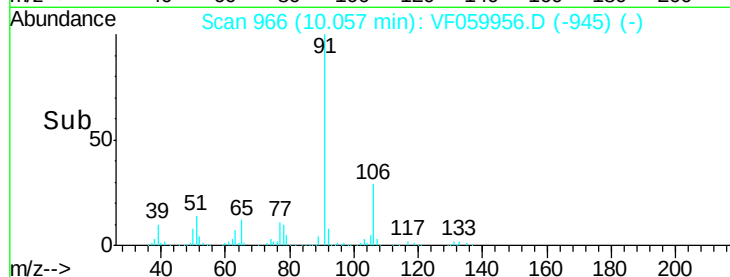
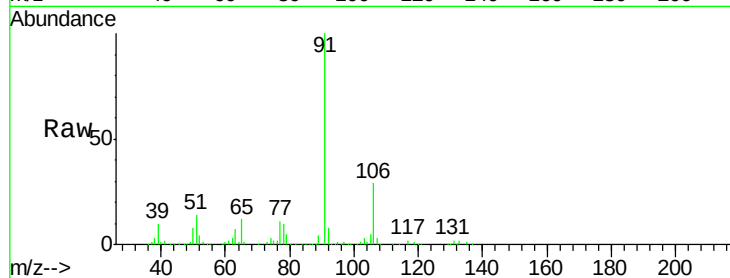
VSTDIC075

Tot Ion: 91 Resp: 407813

Ion Ratio Lower Upper

91 100

106 28.9 20.7 31.1



#68

m/p-Xylenes

Concen: 131.13 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.01 min

Lab File: VF059956.D

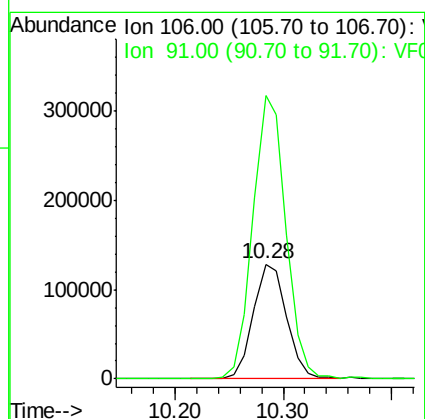
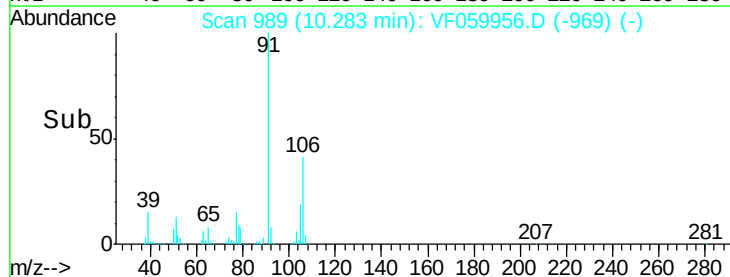
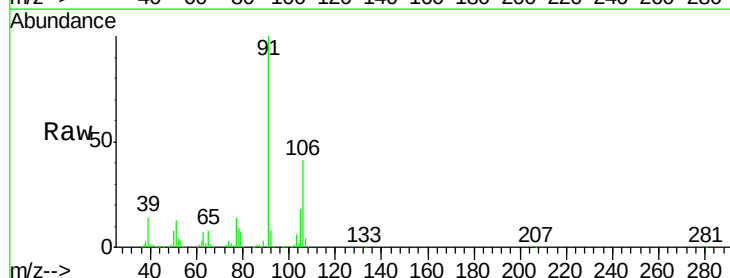
Acq: 14 Aug 2018 20:32

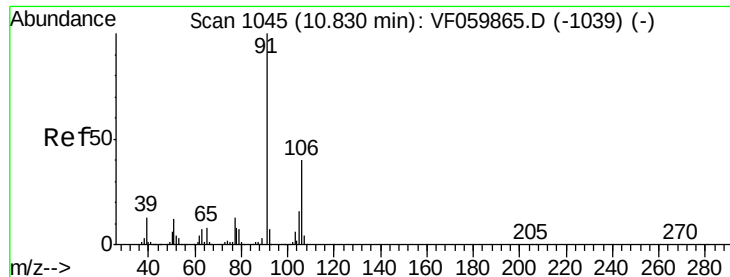
Tgt Ion: 106 Resp: 273497

Ion Ratio Lower Upper

106 100

91 246.2 191.8 287.8

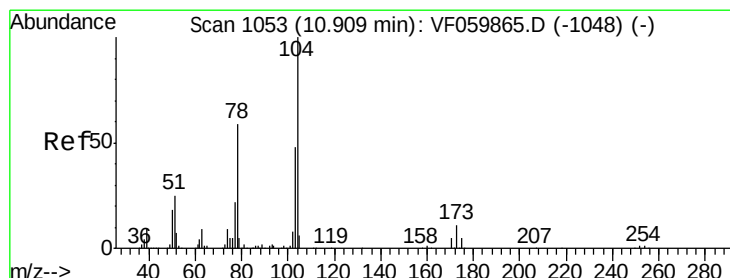
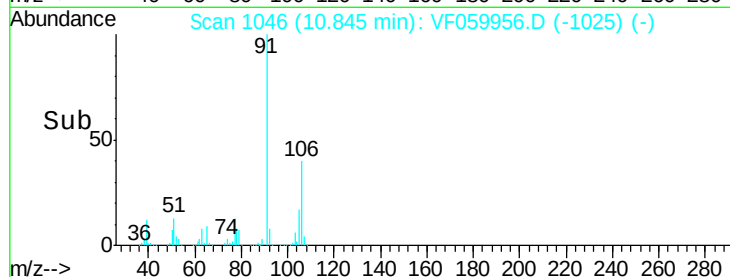
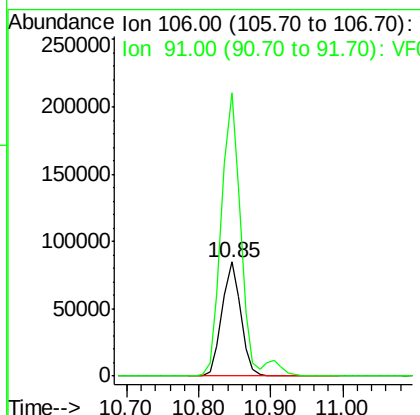
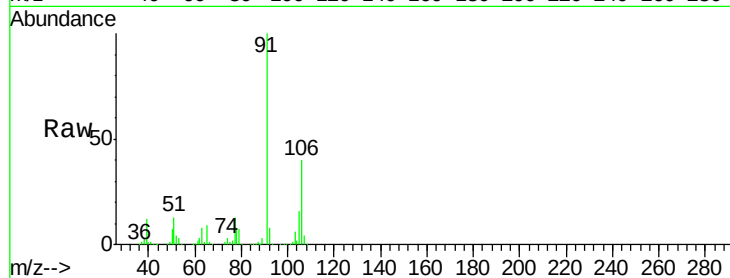




#69
o-Xylene
Concen: 70.57 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

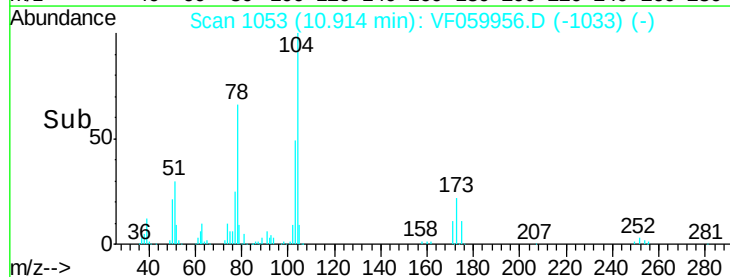
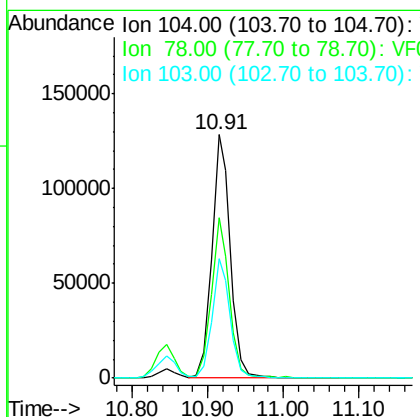
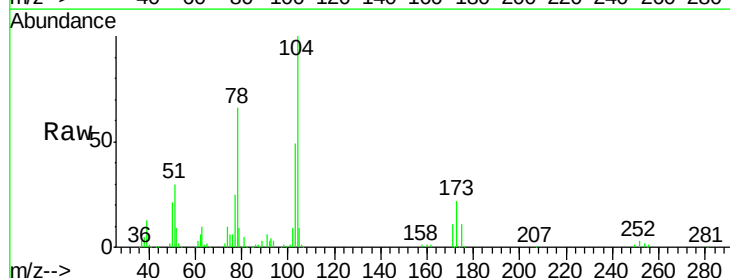
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

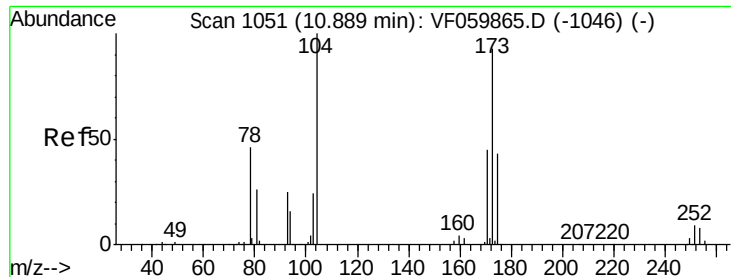
Tot Ion:106 Resp: 154424
Ion Ratio Lower Upper
106 100
91 248.3 126.8 380.6



#70
Styrene
Concen: 66.81 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion:104 Resp: 220673
Ion Ratio Lower Upper
104 100
78 65.9 49.2 73.8
103 48.8 37.4 56.0





#71

Bromoform

Concen: 66.73 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

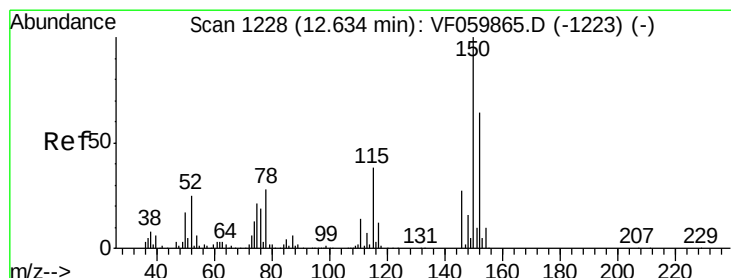
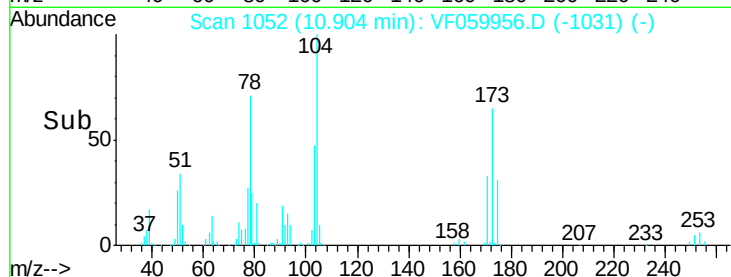
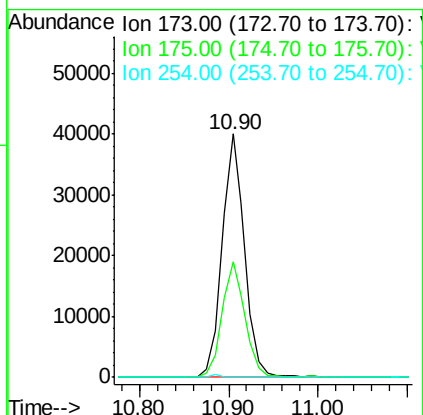
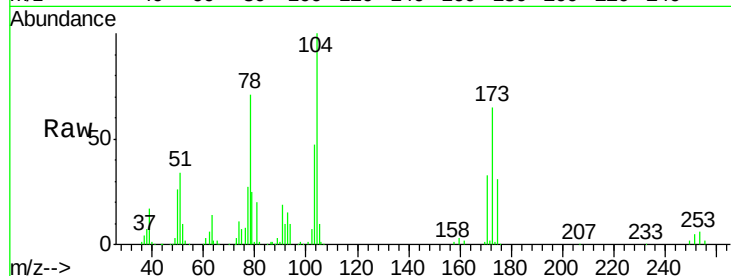
Tot Ion:173 Resp: 70845

Ion Ratio Lower Upper

173 100

175 48.3 24.6 73.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

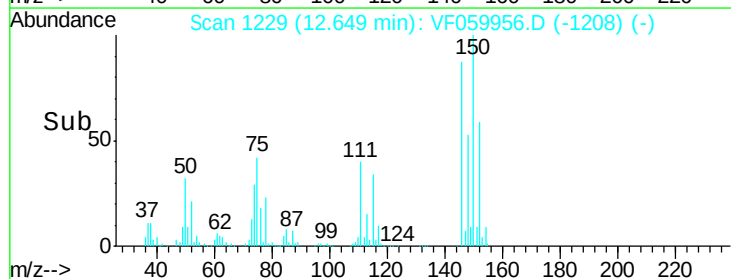
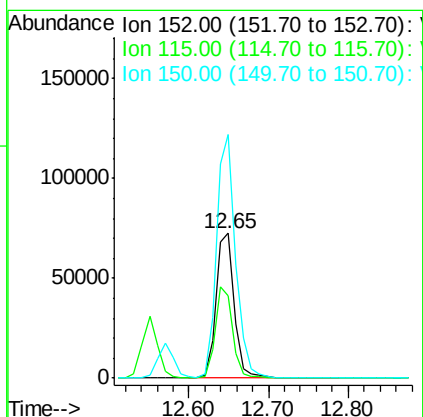
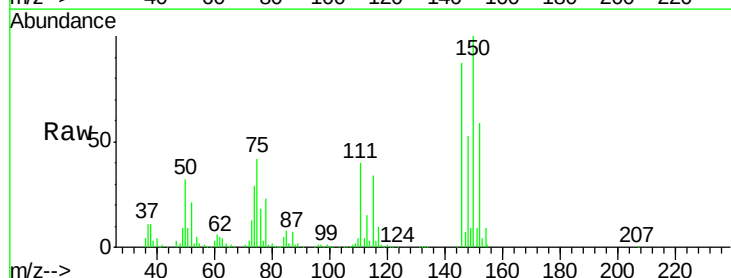
Tgt Ion:152 Resp: 117001

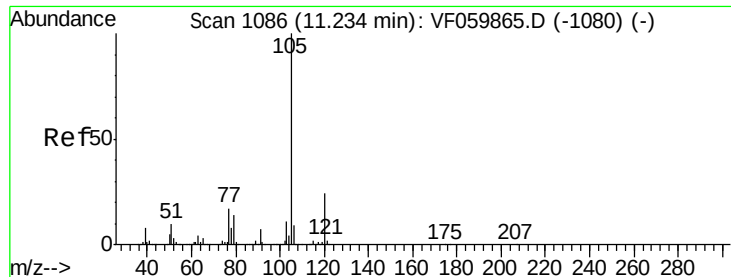
Ion Ratio Lower Upper

152 100

115 56.9 31.4 94.0

150 168.4 0.0 326.2





#73

Isopropylbenzene

Concen: 70.48 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

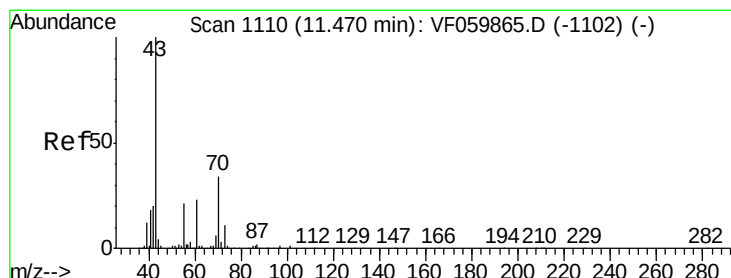
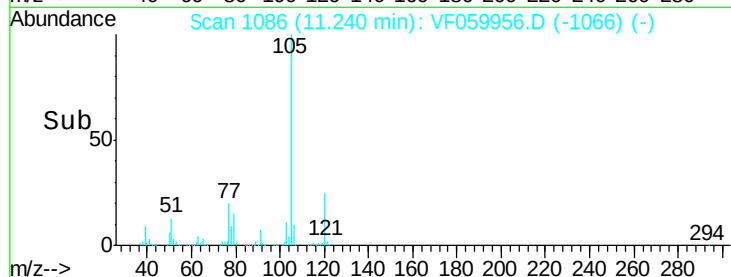
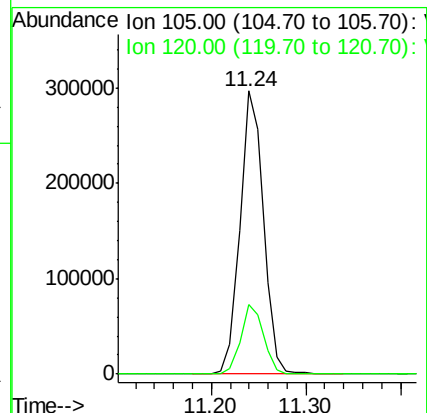
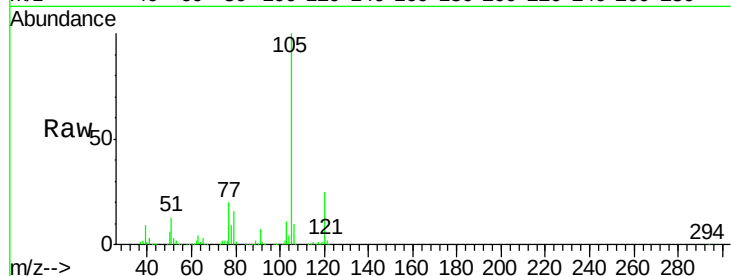
VSTDIC075

Tot Ion:105 Resp: 510325

Ion Ratio Lower Upper

105 100

120 24.7 11.9 35.9



#74

N-ethyl acetate

Concen: 65.08 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Tgt Ion: 43 Resp: 119031

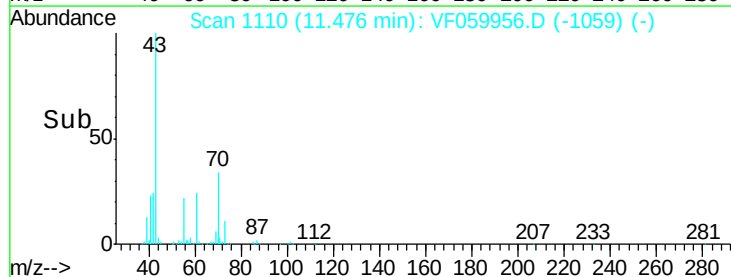
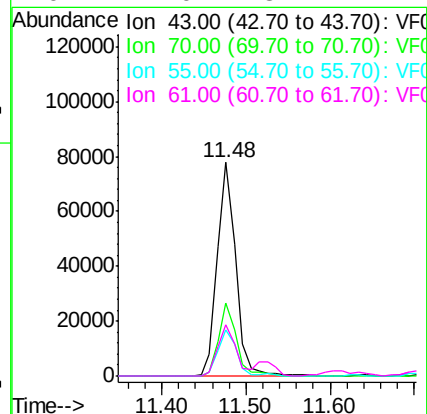
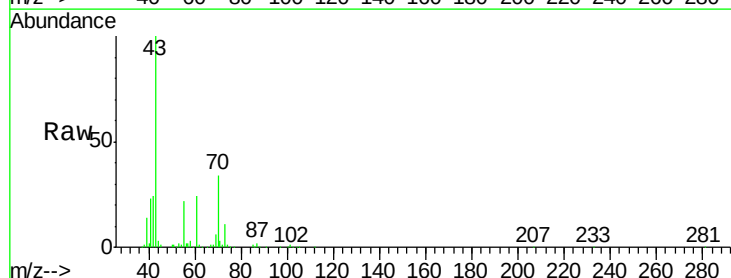
Ion Ratio Lower Upper

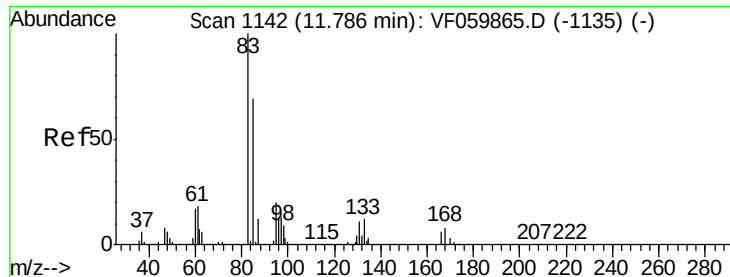
43 100

70 34.3 26.9 40.3

55 21.7 16.9 25.3

61 24.0 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 59.65 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

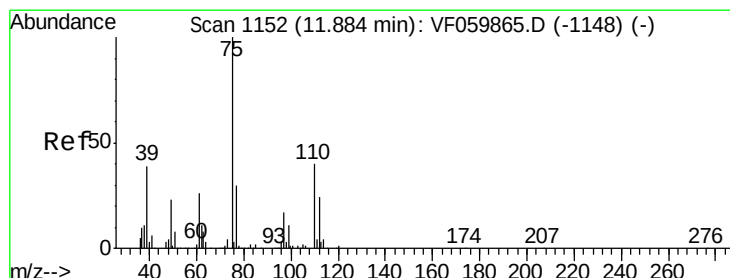
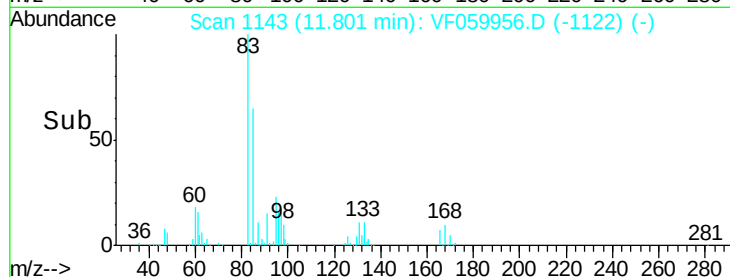
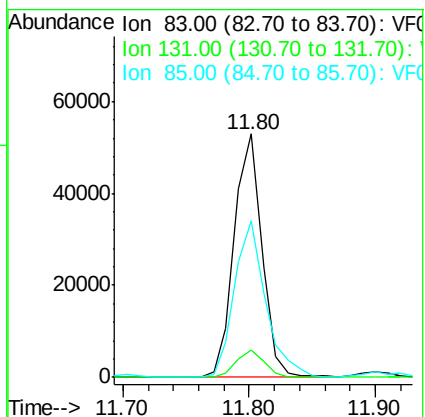
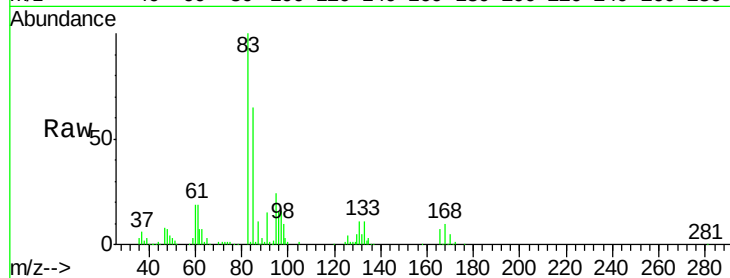
Tot Ion: 83 Resp: 80488

Ion Ratio Lower Upper

83 100

131 11.3 6.3 19.1

85 64.6 33.9 101.7



#76

1,2,3-Trichloropropane

Concen: 62.07 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059956.D

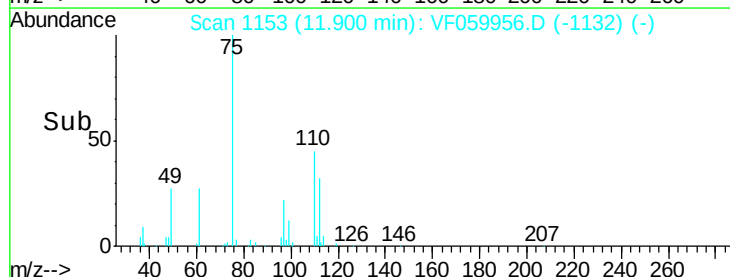
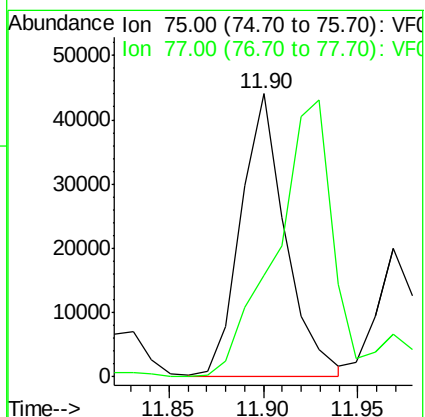
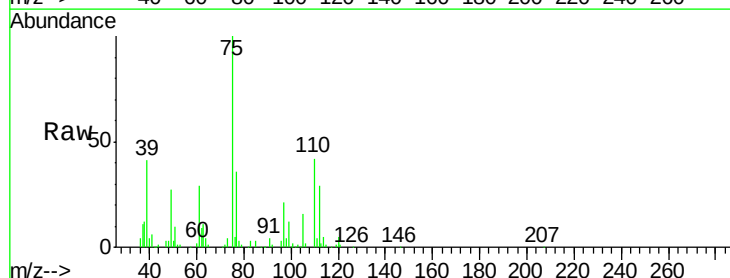
Acq: 14 Aug 2018 20:32

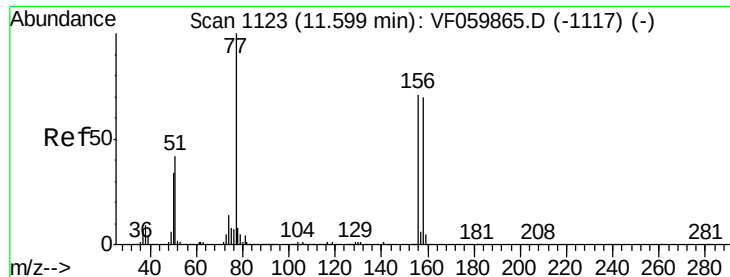
Tgt Ion: 75 Resp: 72317

Ion Ratio Lower Upper

75 100

77 35.8 16.6 49.7





#77

Bromobenzene

Concen: 65.67 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

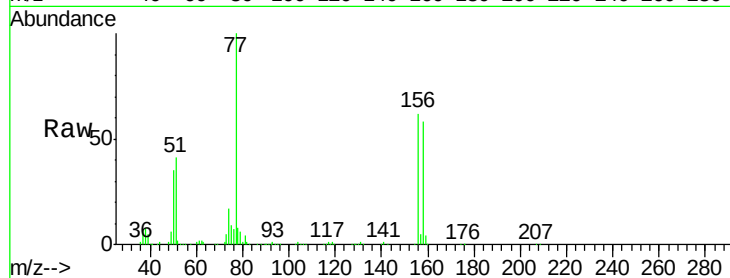
Tot Ion:156 Resp: 129656

Ion Ratio Lower Upper

156 100

77 162.0 67.8 203.2

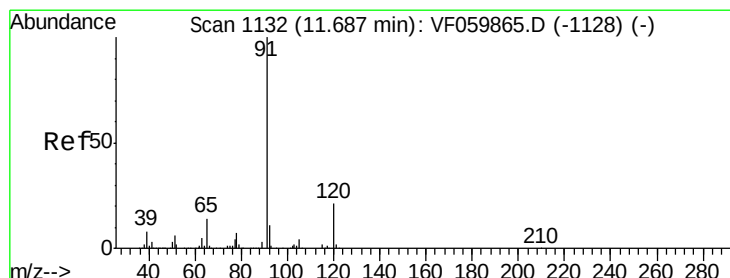
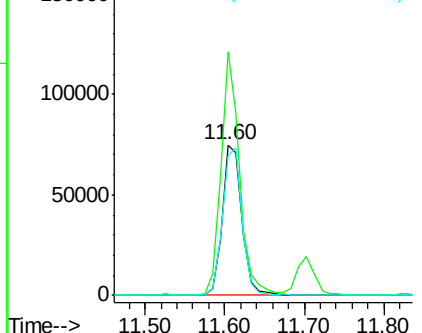
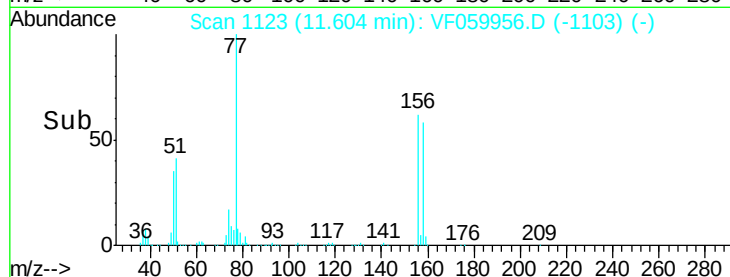
158 93.4 51.7 155.2



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: 66.28 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059956.D

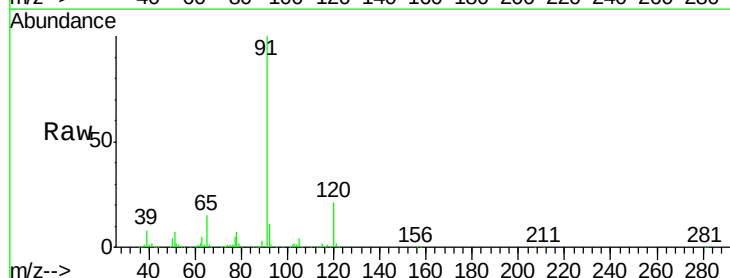
Acq: 14 Aug 2018 20:32

Tgt Ion: 91 Resp: 567803

Ion Ratio Lower Upper

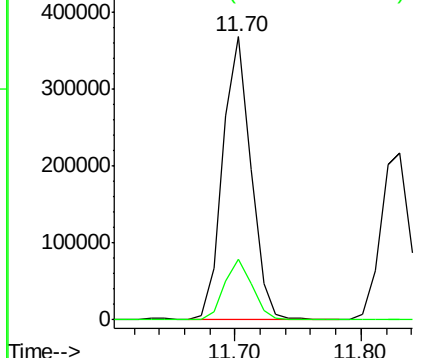
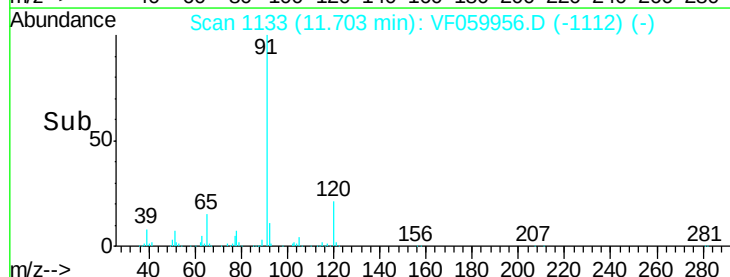
91 100

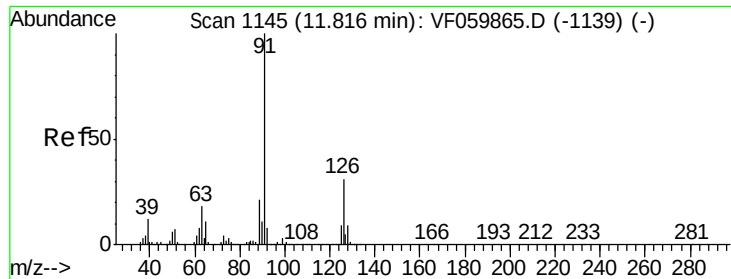
120 21.5 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 65.26 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

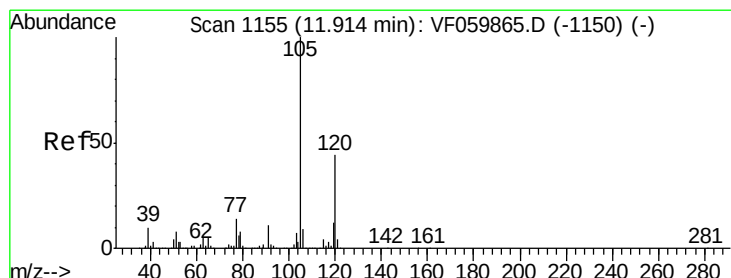
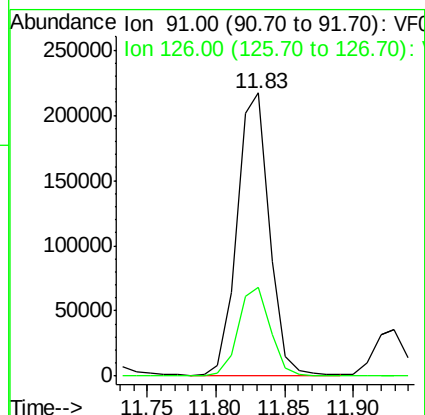
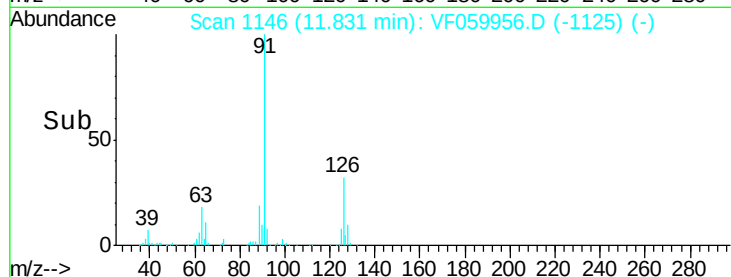
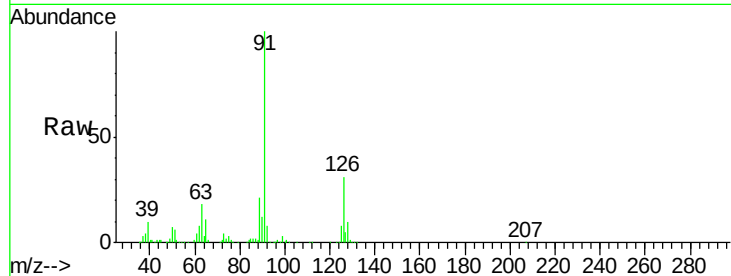
VSTDIC075

Tot Ion: 91 Resp: 351876

Ion Ratio Lower Upper

91 100

126 31.5 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 67.91 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059956.D

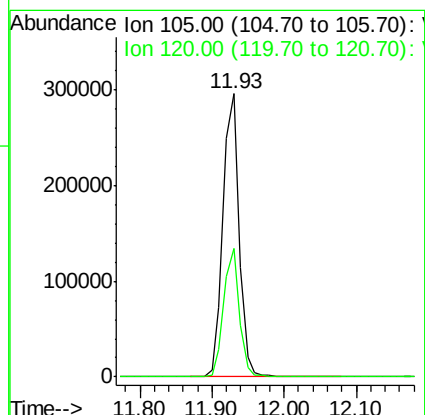
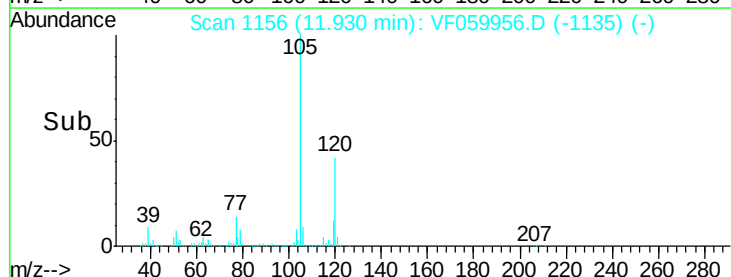
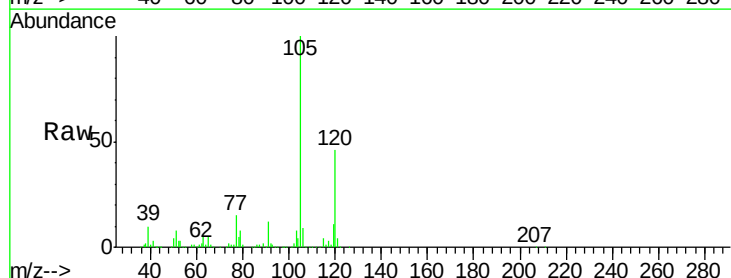
Acq: 14 Aug 2018 20:32

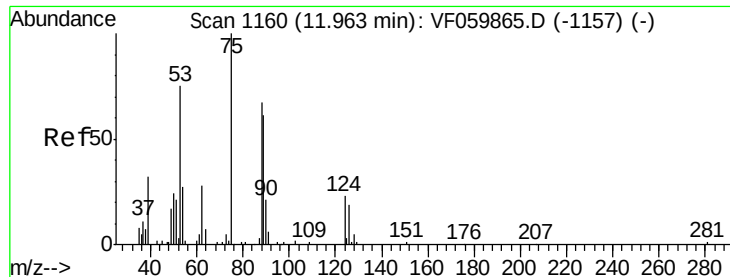
Tgt Ion: 105 Resp: 456336

Ion Ratio Lower Upper

105 100

120 45.5 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 93.38 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

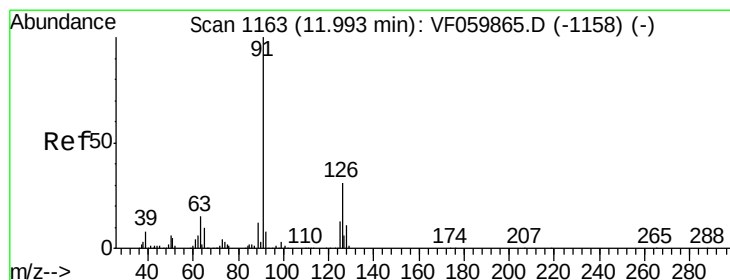
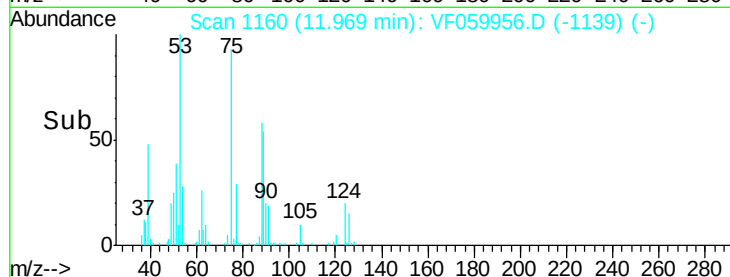
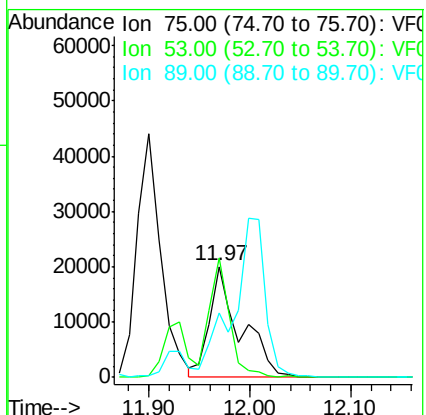
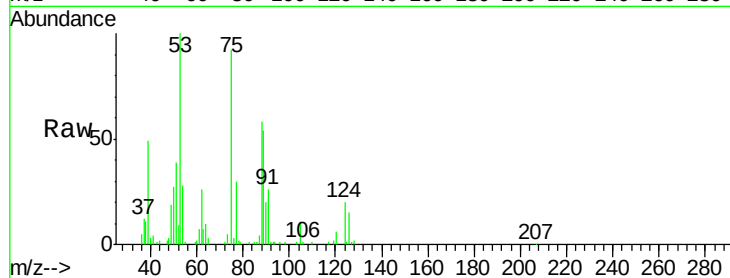
Tot Ion: 75 Resp: 43236

Ion Ratio Lower Upper

75 100

53 108.2 97.1 145.7

89 58.5 43.6 65.4



#82

4-Chlorotoluene

Concen: 64.53 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. -0.01 min

Lab File: VF059956.D

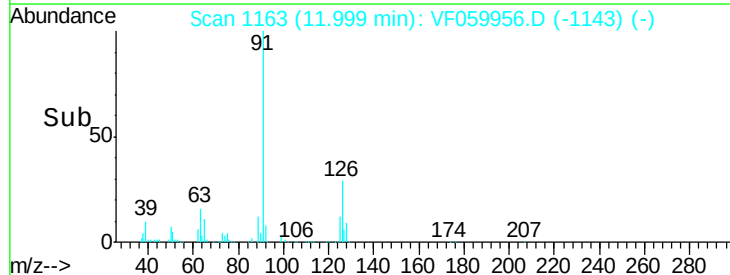
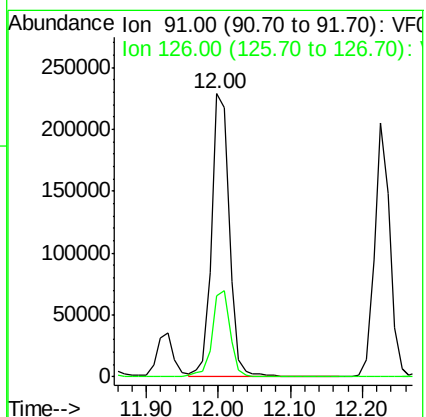
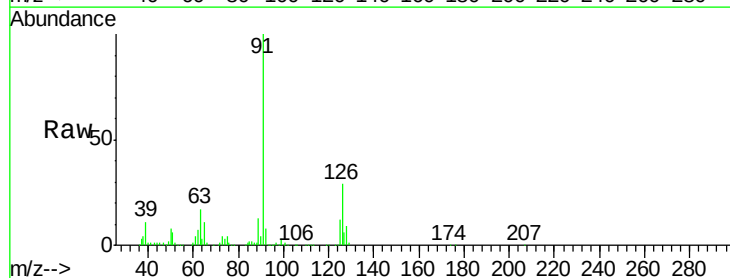
Acq: 14 Aug 2018 20:32

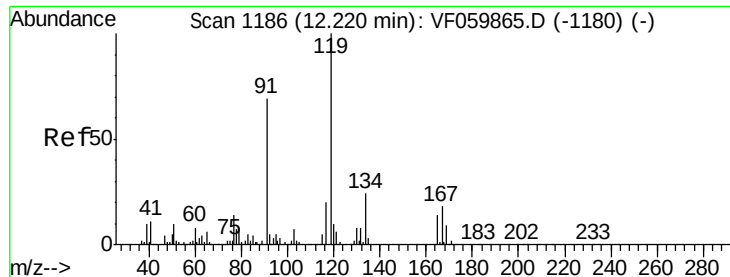
Tgt Ion: 91 Resp: 382385

Ion Ratio Lower Upper

91 100

126 28.6 15.3 45.8

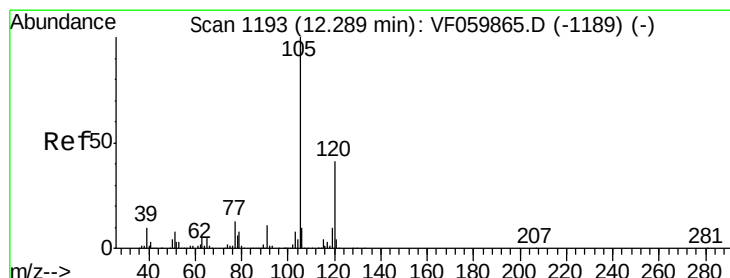
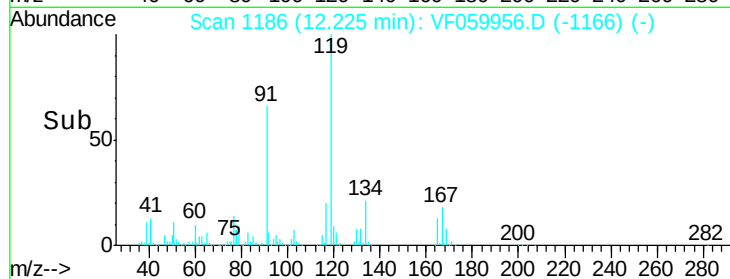
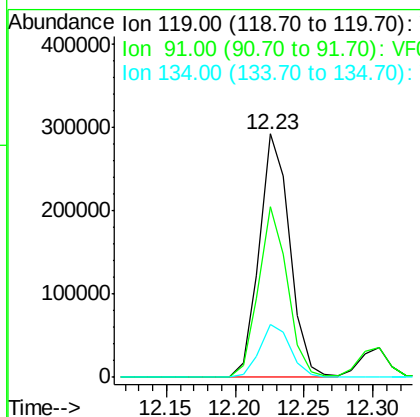
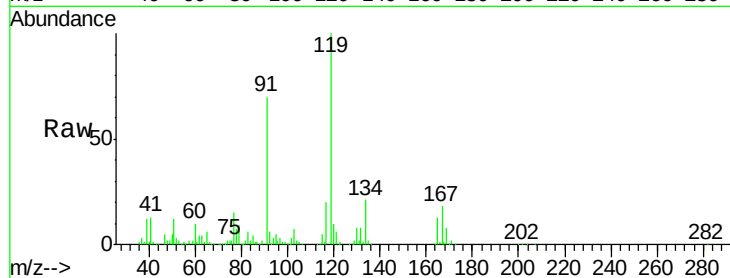




#83
 tert-Butylbenzene
 Concen: 68.97 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

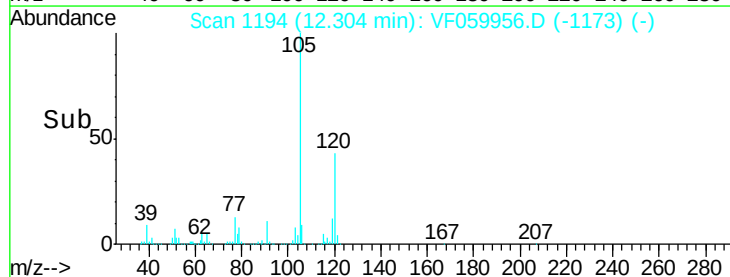
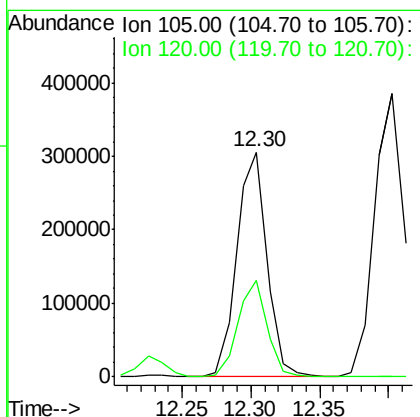
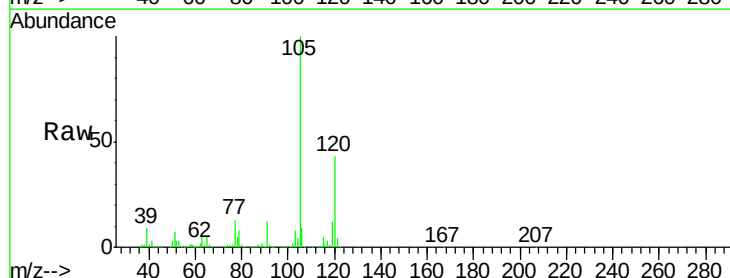
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

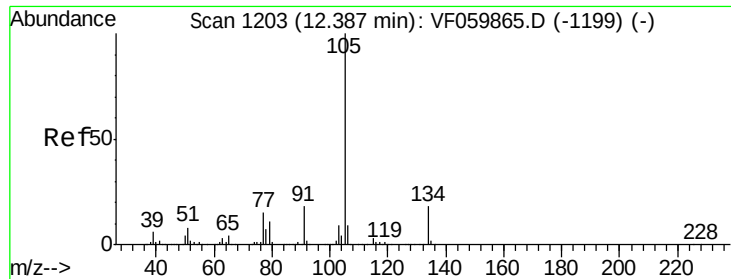
Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	32.6	98.0
134	21.5	10.1	30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 66.76 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	20.6	61.9





#85

sec-Butylbenzene

Concen: 66.73 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

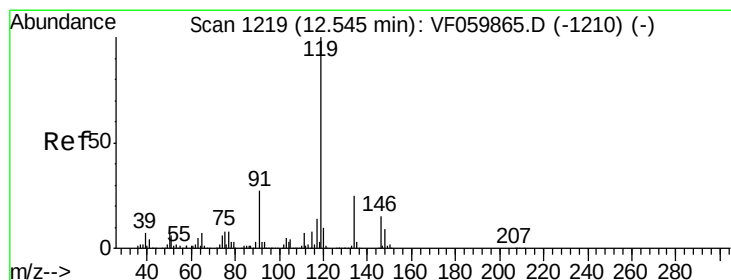
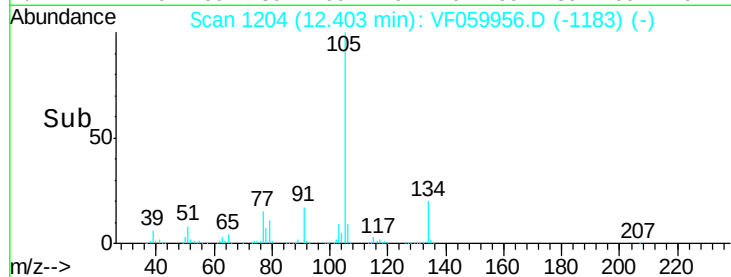
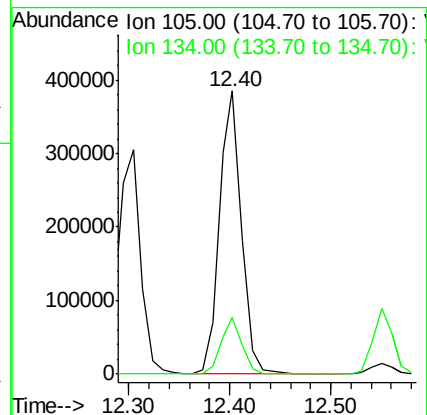
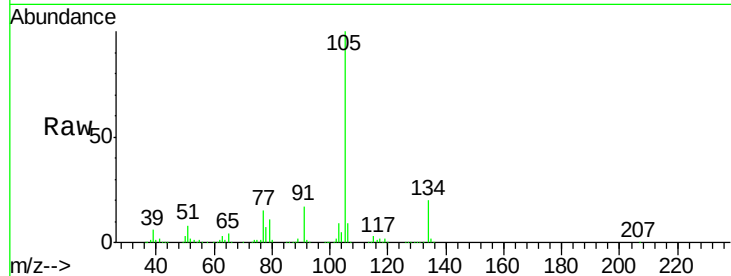
VSTDIC075

Tot Ion:105 Resp: 582469

Ion Ratio Lower Upper

105 100

134 20.0 8.9 26.7



#86

p-Isopropyltoluene

Concen: 69.77 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

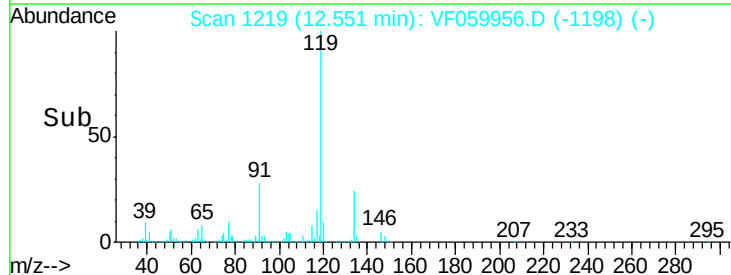
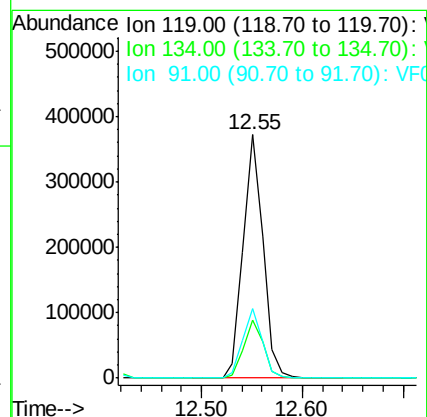
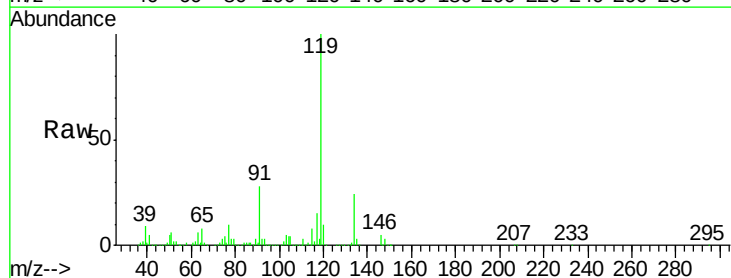
Tgt Ion:119 Resp: 510196

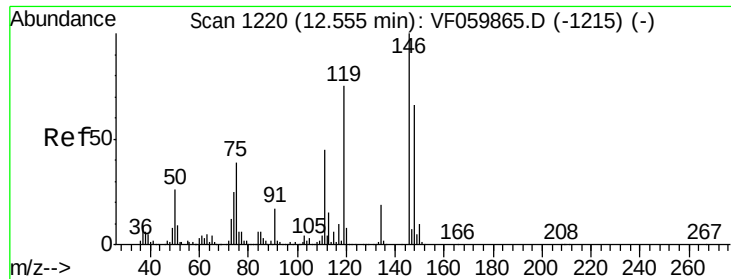
Ion Ratio Lower Upper

119 100

134 24.1 11.4 34.2

91 28.5 14.8 44.4

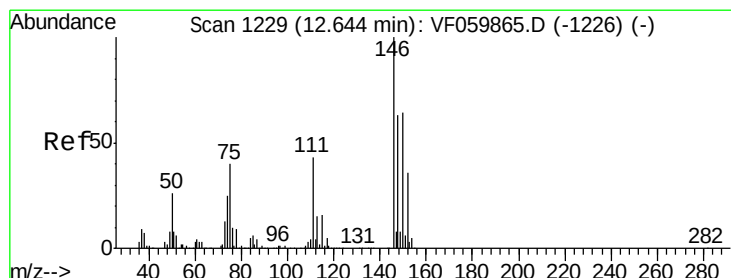
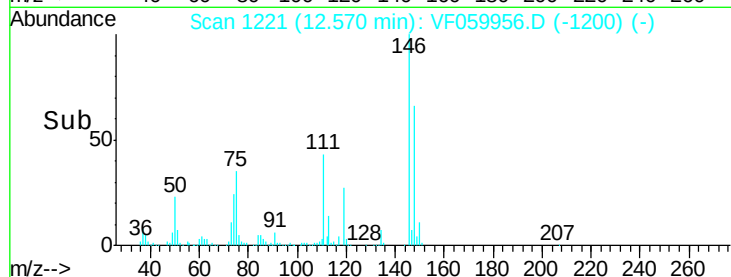
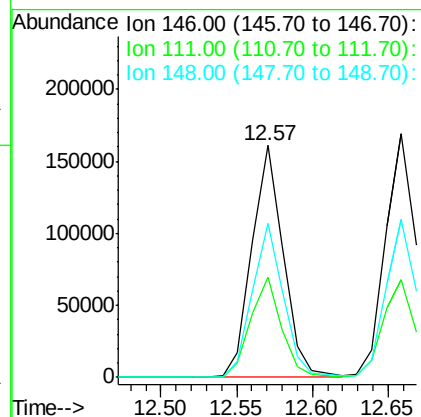
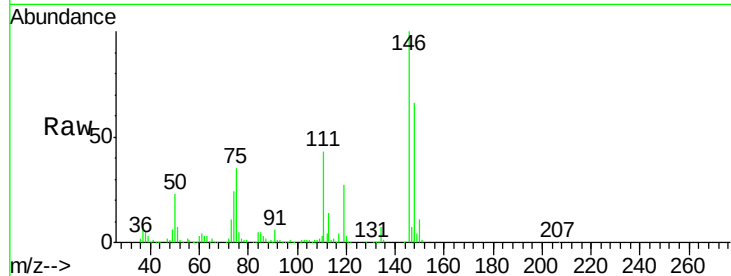




#87
 1,3-Dichlorobenzene
 Concen: 62.91 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

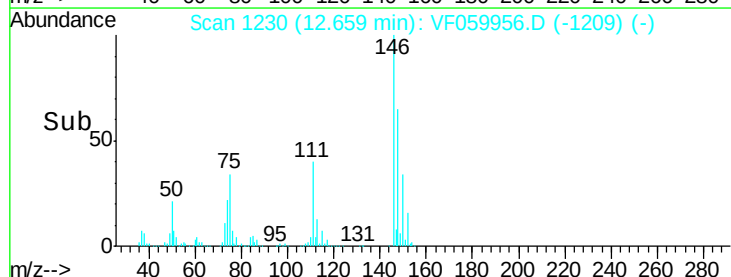
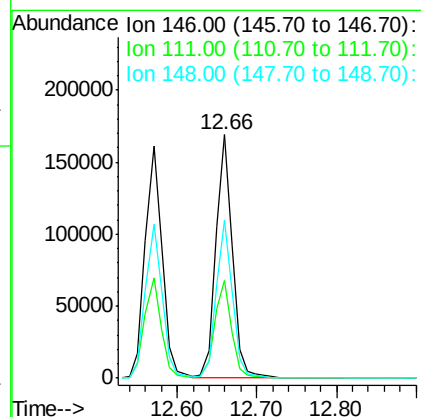
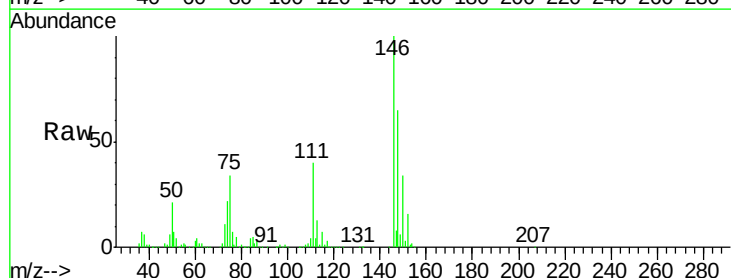
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

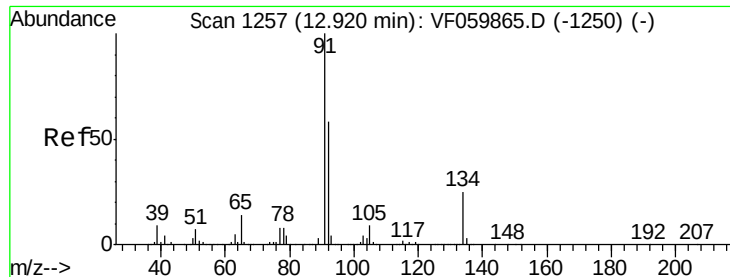
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	66.2	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 67.63 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.1
148	64.7	31.7	95.1





#89

n-Butylbenzene

Concen: 70.18 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF059956.D

Acq: 14 Aug 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

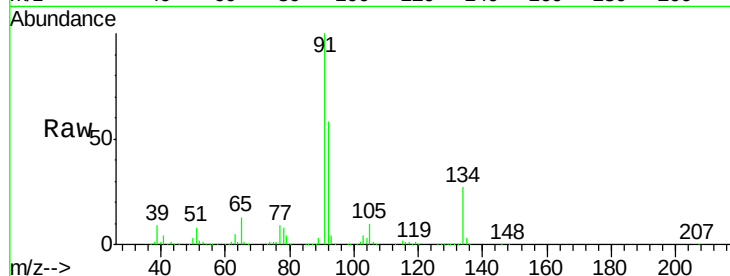
Tot Ion: 91 Resp: 495087

Ion Ratio Lower Upper

91 100

92 58.2 29.2 87.6

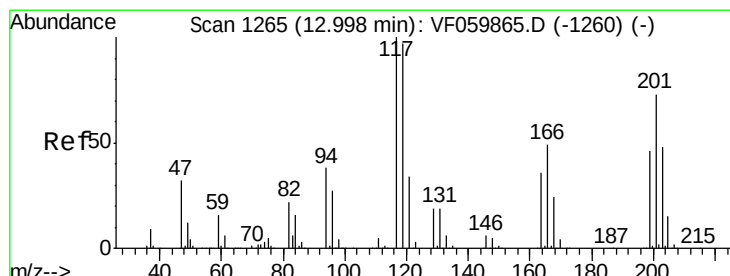
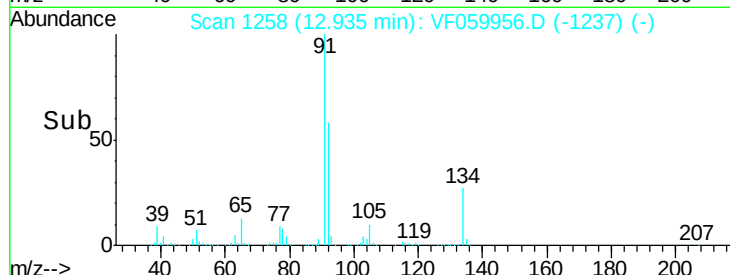
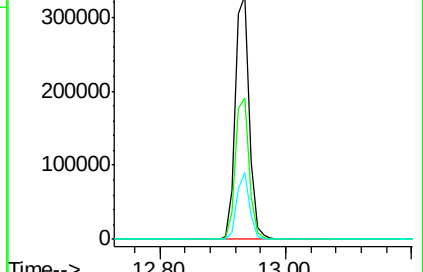
134 27.3 12.8 38.3



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

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

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



#90

Hexachloroethane

Concen: 64.85 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059956.D

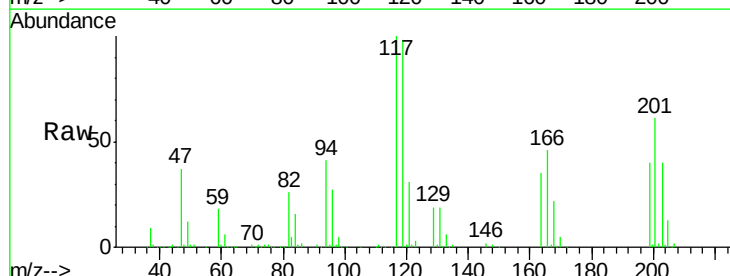
Acq: 14 Aug 2018 20:32

Tgt Ion: 117 Resp: 129291

Ion Ratio Lower Upper

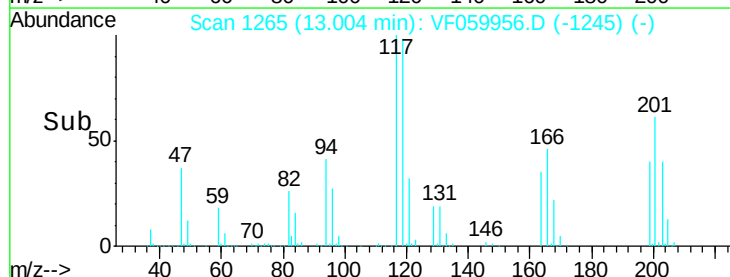
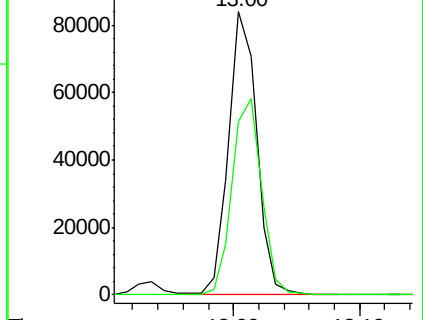
117 100

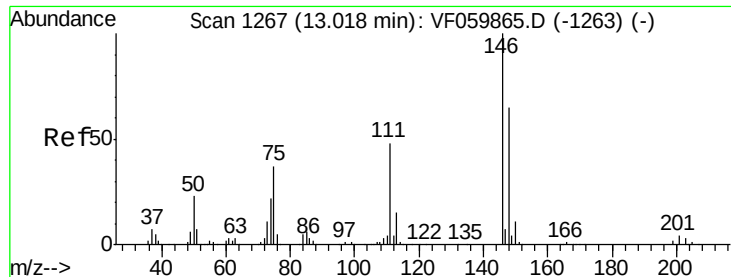
201 61.2 41.8 125.3



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

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

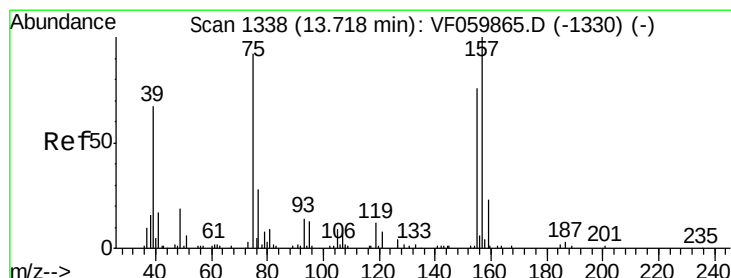
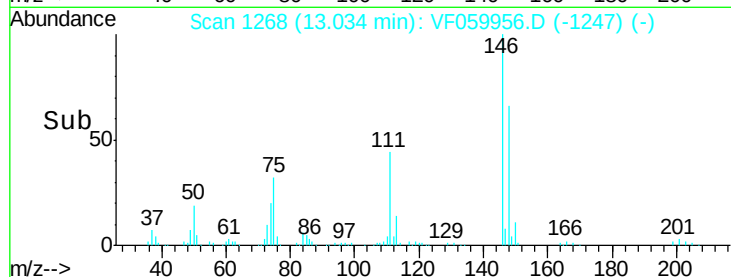
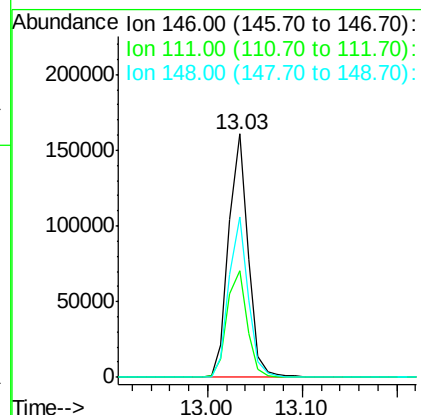
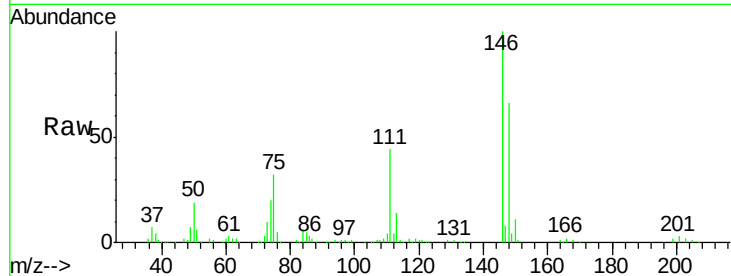




#91
 1,2-Dichlorobenzene
 Concen: 64.10 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

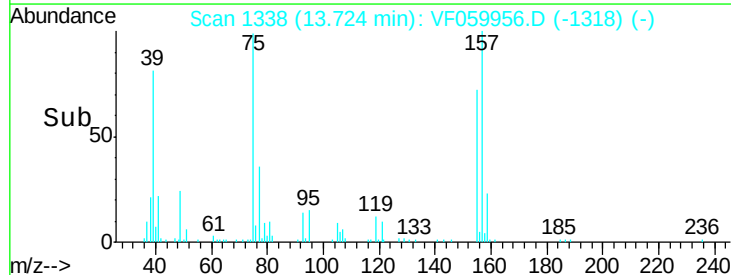
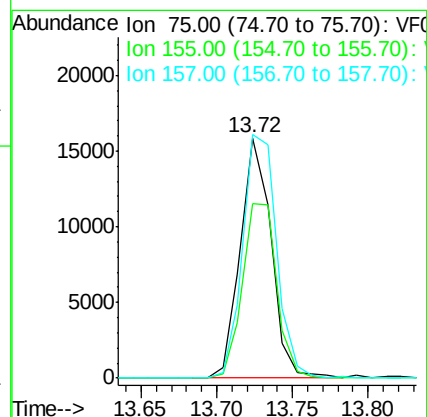
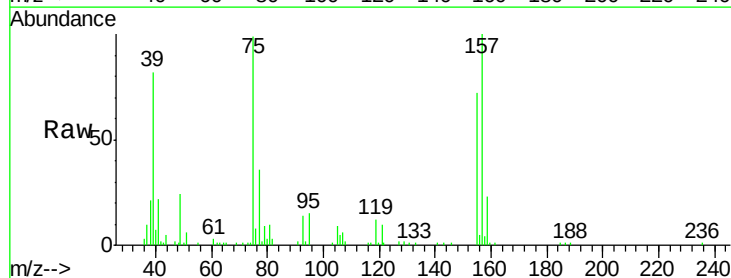
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

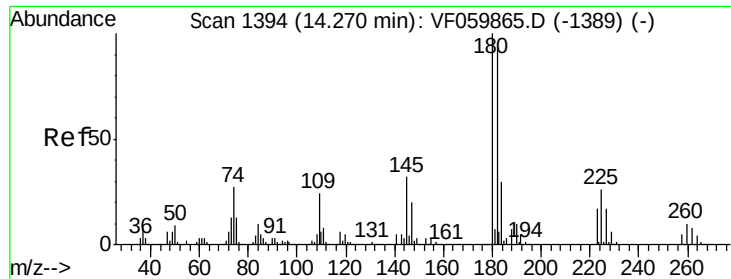
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	66.1	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.25 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	44.6	134.0
157	101.3	54.8	164.3

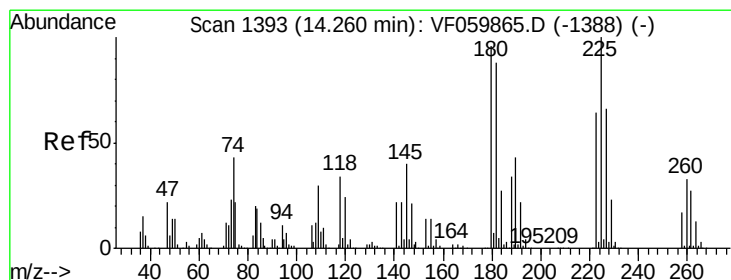
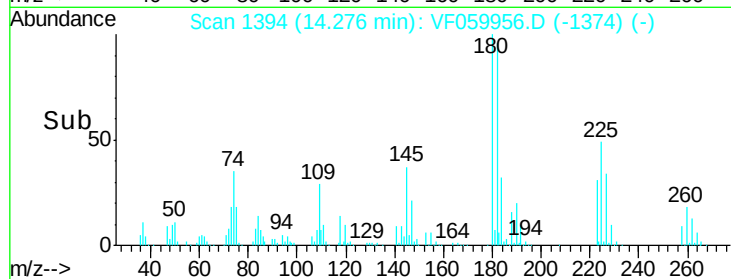
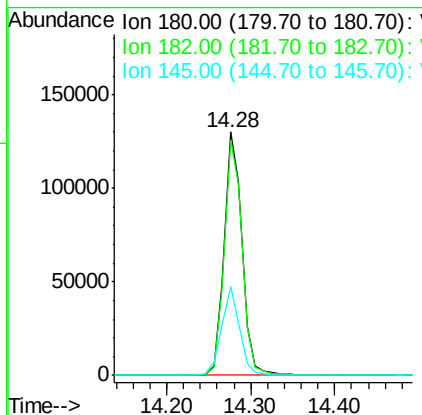
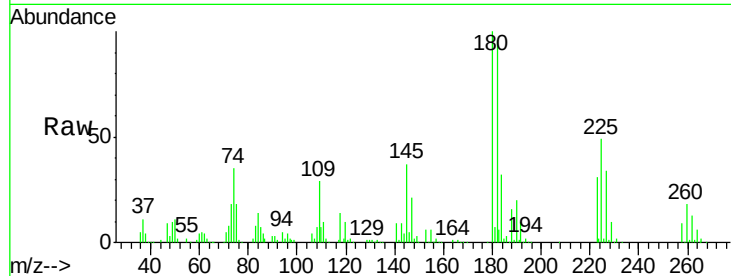




#93
 1,2,4-Trichlorobenzene
 Concen: 69.69 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

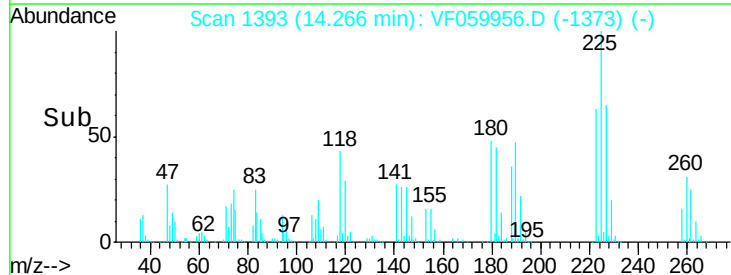
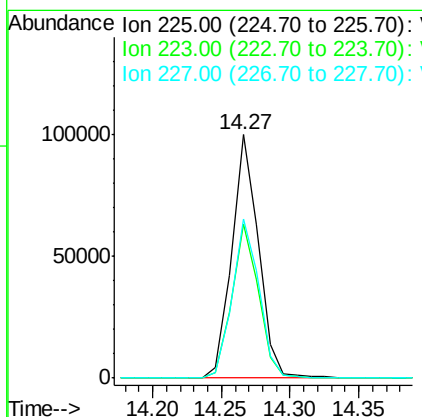
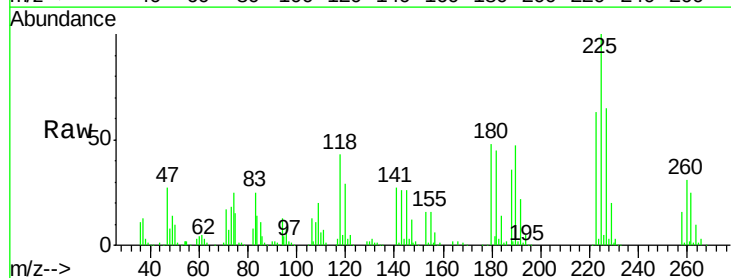
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

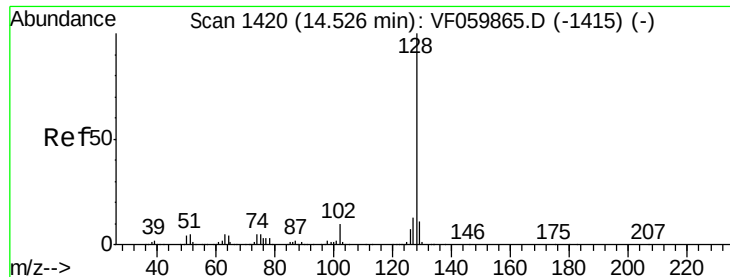
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	50.2	150.7
145	36.6	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 69.19 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059956.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	29.6	88.8
227	65.3	32.5	97.5

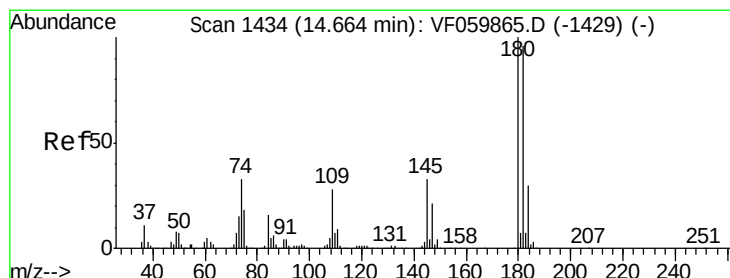
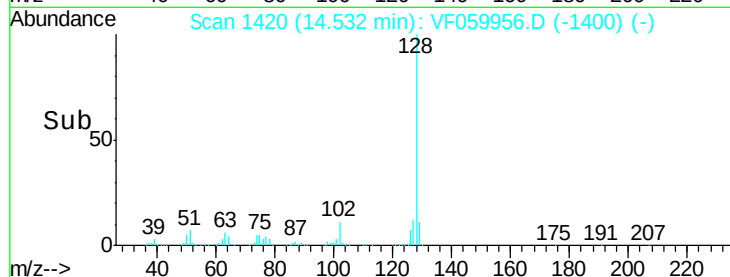
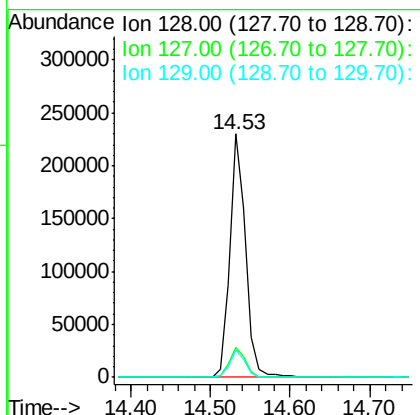
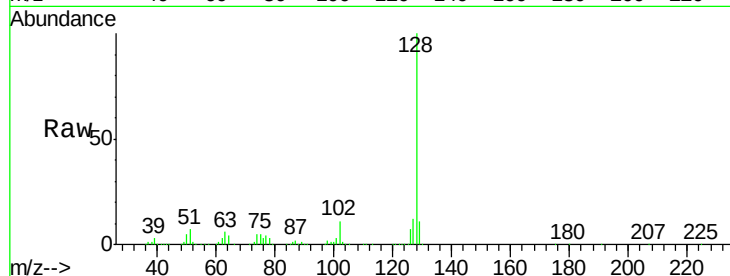




#95
Naphthalene
Concen: 68.23 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.01 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.1	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 68.74 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059956.D
Acq: 14 Aug 2018 20:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.5	142.6
145	33.6	17.6	52.8

