

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059865.D
 Acq On : 4 Aug 2018 4:44
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 04 05:32:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	185462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	257389	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	251663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	174592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	172824	51.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.04%	
35) Dibromofluoromethane	4.29	113	132712	49.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.58%	
50) Toluene-d8	7.71	98	289428	46.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.51	95	163283	47.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	161111	59.475	ug/l	100
3) Chloromethane	1.09	50	67675	51.235	ug/l	100
4) Vinyl Chloride	1.16	62	72437	53.299	ug/l	100
5) Bromomethane	1.35	94	65397	58.128	ug/l	100
6) Chloroethane	1.43	64	46117	53.962	ug/l	100
7) Trichlorofluoromethane	1.54	101	131948	36.459	ug/l	100
8) Diethyl Ether	1.70	74	30392	50.325	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	106779	56.389	ug/l	100
10) Methyl Iodide	1.97	142	123650	41.113	ug/l	100
11) Tert butyl alcohol	2.69	59	31905	215.265	ug/l	100
12) 1,1-Dichloroethene	1.86	96	79958	53.107	ug/l	100
13) Acrolein	2.09	56	19333	300.437	ug/l	100
14) Allyl chloride	2.18	41	132940	55.083	ug/l	100
15) Acrylonitrile	3.08	53	63179	257.466	ug/l	100
16) Acetone	2.34	43	148535	244.357	ug/l	100
17) Carbon Disulfide	1.90	76	150045	40.033	ug/l	100
18) Methyl Acetate	2.45	43	46681	41.123	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	224236	50.196	ug/l	100
20) Methylene Chloride	2.28	84	40522	23.283	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	78207	51.859	ug/l	100
22) Diisopropyl ether	2.92	45	261917	52.312	ug/l	100
23) Vinyl Acetate	3.34	43	662473	260.544	ug/l	100
24) 1,1-Dichloroethane	3.00	63	188260	53.640	ug/l	100
25) 2-Butanone	4.51	43	163936	250.363	ug/l	100
26) 2,2-Dichloropropane	3.77	77	113439	46.948	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	94492	51.095	ug/l	100
28) Bromochloromethane	3.89	49	65624	48.176	ug/l	100
29) Tetrahydrofuran	4.25	42	58436	225.972	ug/l	100
30) Chloroform	4.04	83	256504	52.397	ug/l	100
31) Cyclohexane	3.86	56	97889	51.436	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	207446	54.054	ug/l	100
36) 1,1-Dichloropropene	4.46	75	159095	51.953	ug/l	100
37) Ethyl Acetate	4.28	43	68279	45.812	ug/l	100
38) Carbon Tetrachloride	4.18	117	244486	58.216	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	121891	52.754	ug/l	100
40) Benzene	4.82	78	260496	49.018	ug/l	100
41) Methacrylonitrile	4.93	41	35459	48.423	ug/l	100
42) 1,2-Dichloroethane	5.12	62	215555	56.799	ug/l	100
43) Isopropyl Acetate	7.11	43	65171	42.670	ug/l	100
44) Trichloroethene	5.67	130	105990	51.438	ug/l	100
45) 1,2-Dichloropropane	6.40	63	72333	51.810	ug/l	100
46) Dibromomethane	6.26	93	69398	52.200	ug/l	100
47) Bromodichloromethane	6.55	83	196787	53.992	ug/l	100
48) Methyl methacrylate	6.88	41	54296	46.959	ug/l	100
49) 1,4-Dioxane	6.87	88	6797	762.622	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	348305	286.763	ug/l	100
52) Toluene	7.78	92	196115	49.723	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	145698	47.034	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	158792	52.350	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	68024	48.142	ug/l	100
56) Ethyl methacrylate	8.76	69	72724	49.749	ug/l	100
57) 1,3-Dichloropropane	9.01	76	122478	49.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	49876	280.400	ug/l	100
59) 2-Hexanone	9.64	43	251146	261.786	ug/l	100
60) Dibromochloromethane	8.87	129	136068	53.543	ug/l	100
61) 1,2-Dibromoethane	9.14	107	86411	51.520	ug/l	100
64) Tetrachloroethene	8.31	164	114021	55.557	ug/l	100
65) Chlorobenzene	9.94	112	261528	50.700	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	130458	53.906	ug/l	100
67) Ethyl Benzene	10.04	91	476976	53.283	ug/l	100
68) m/p-Xylenes	10.27	106	317368	101.150	ug/l	100
69) o-Xylene	10.83	106	184177	55.498	ug/l	100
70) Styrene	10.91	104	258043	51.914	ug/l	100
71) Bromoform	10.89	173	80599	51.862	ug/l	100
73) Isopropylbenzene	11.23	105	592634	50.696	ug/l	100
74) N-amyl acetate	11.47	43	126308	43.802	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	100326	46.370	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	86243	46.496	ug/l	100
77) Bromobenzene	11.60	156	146964	48.305	ug/l	100
78) n-propylbenzene	11.69	91	676846	49.652	ug/l	100
79) 2-Chlorotoluene	11.82	91	423238	49.953	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	533419	50.658	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	49360	66.125	ug/l	100
82) 4-Chlorotoluene	11.99	91	432207	47.798	ug/l	100
83) tert-Butylbenzene	12.22	119	521838	49.938	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	536630	50.772	ug/l	100
85) sec-Butylbenzene	12.39	105	682926	50.758	ug/l	100
86) p-Isopropyltoluene	12.54	119	608686	51.292	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	276309	47.625	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	278184	49.021	ug/l	100
89) n-Butylbenzene	12.92	91	553630	49.605	ug/l	100
90) Hexachloroethane	13.00	117	157647	52.924	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	273082	48.671	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	28273	52.555	ug/l	100

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Quant Title : SW846 8260
QLast Update : Sat Aug 04 05:27:31 2018
Response via : Initial Calibration

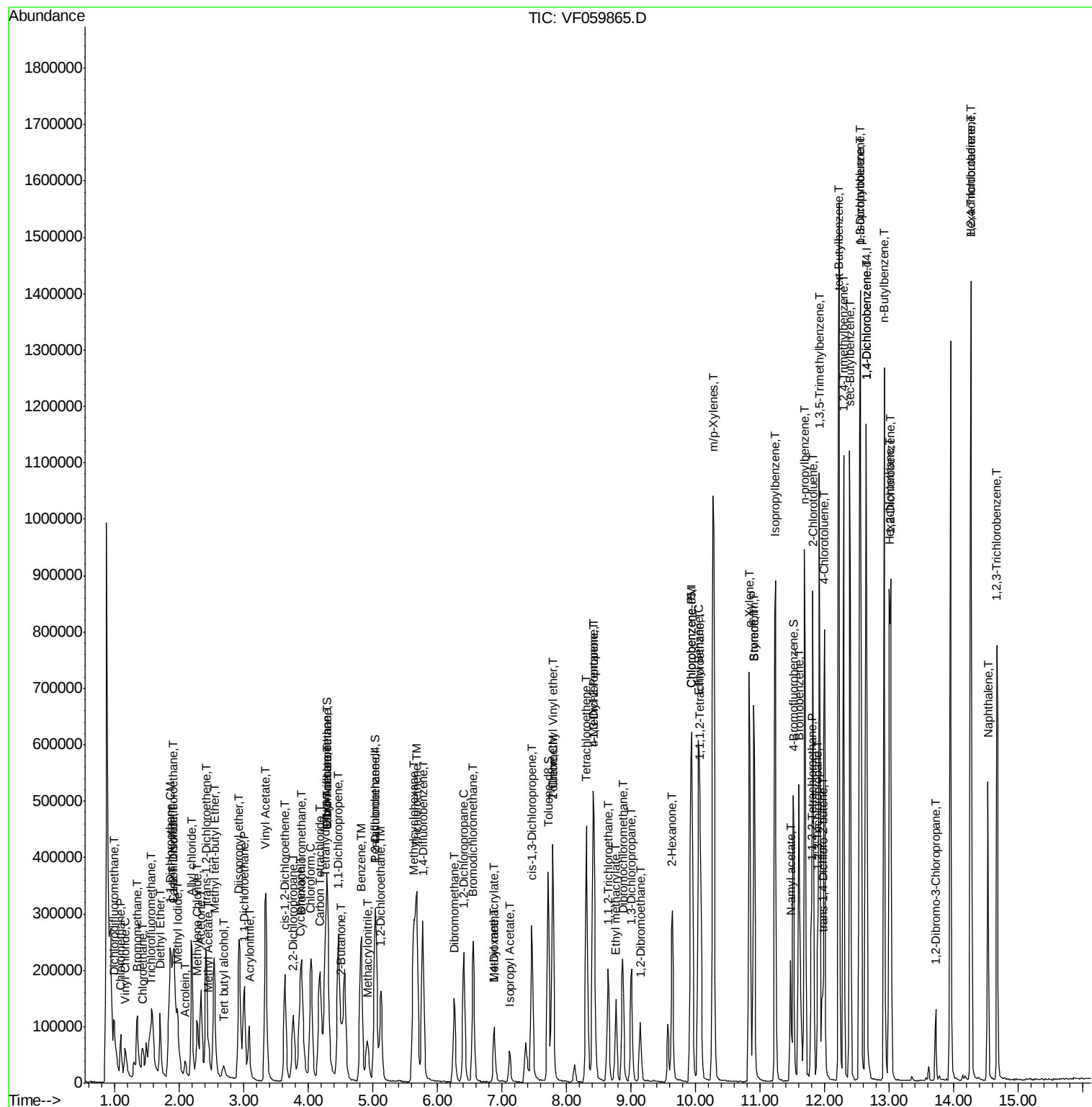
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	215825	49.502	ug/l	100
94) Hexachlorobutadiene	14.26	225	149904	51.295	ug/l	100
95) Naphthalene	14.53	128	382084	50.093	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	217368	51.331	ug/l	100

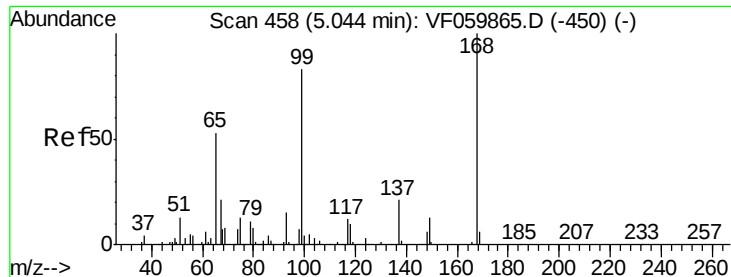
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 05:27:31 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

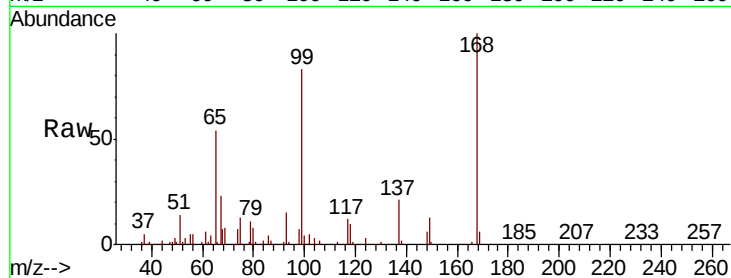
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 185462

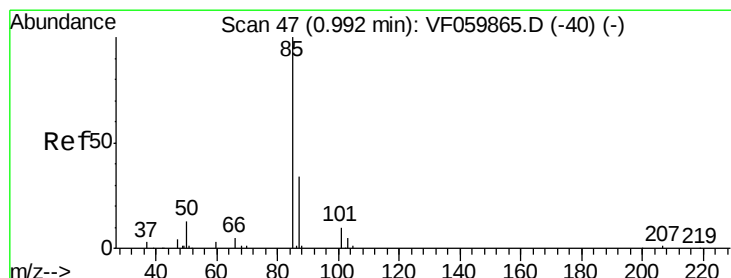
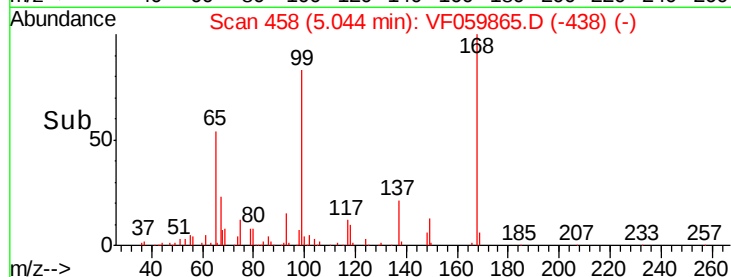
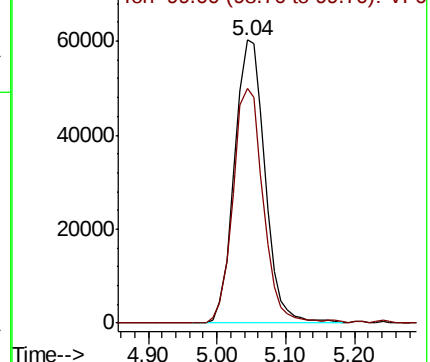
Ion Ratio Lower Upper

168 100

99 82.9 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 59.475 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059865.D

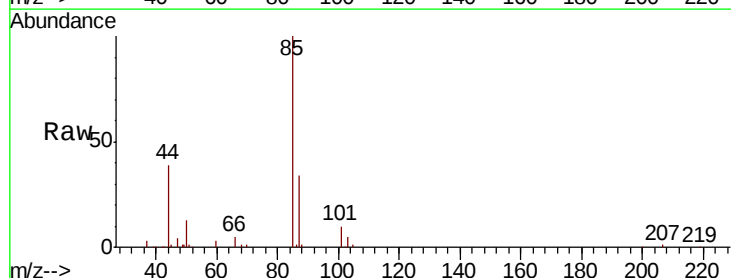
Acq: 4 Aug 2018 4:44

Tgt Ion: 85 Resp: 161111

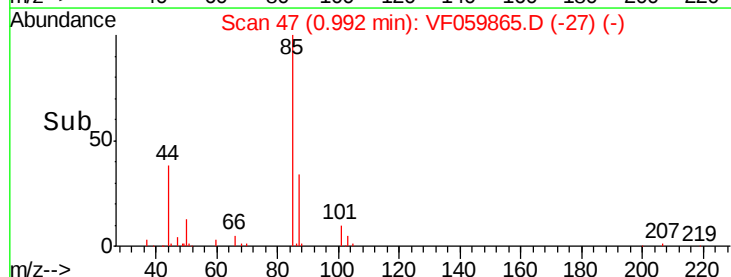
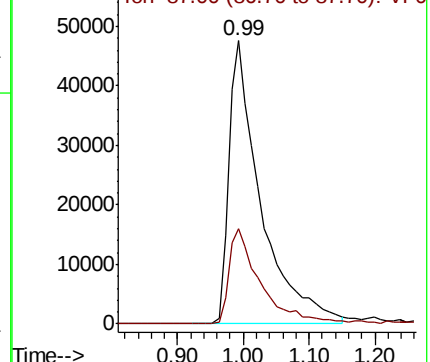
Ion Ratio Lower Upper

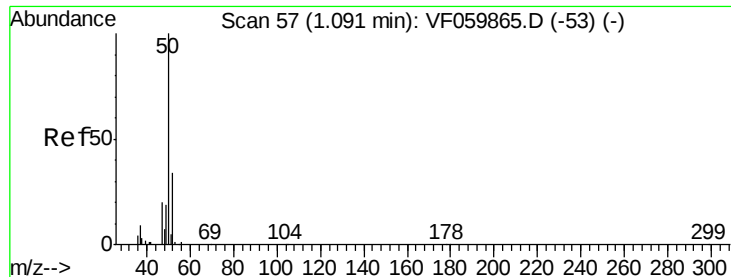
85 100

87 33.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 51.235 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

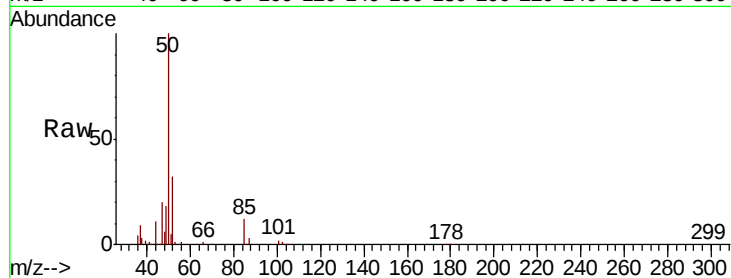
ClientSampleId :

Tot Ion: 50 Resp: 67675

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

40000

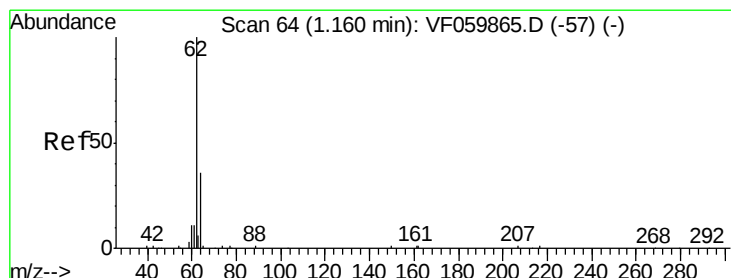
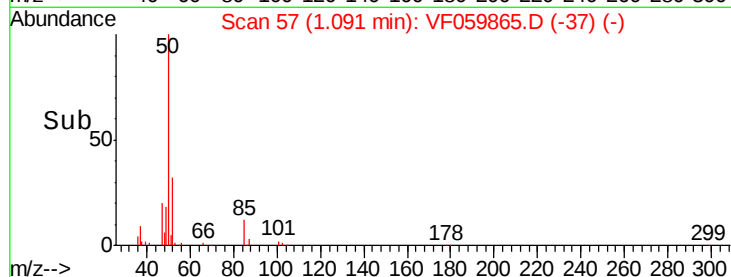
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 53.299 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059865.D

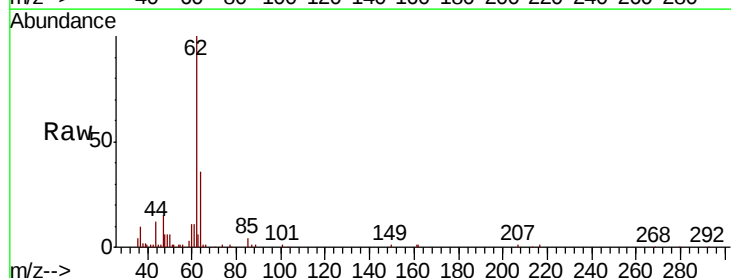
Acq: 4 Aug 2018 4:44

Tgt Ion: 62 Resp: 72437

Ion Ratio Lower Upper

62 100

64 35.6 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.16

25000

20000

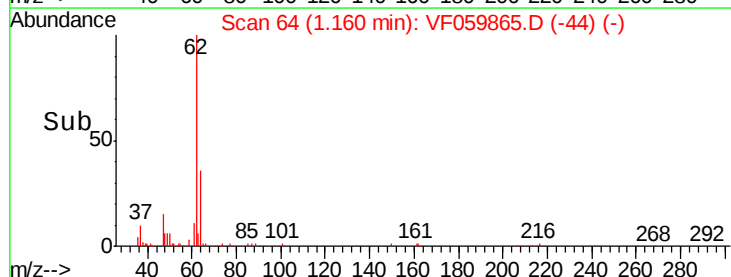
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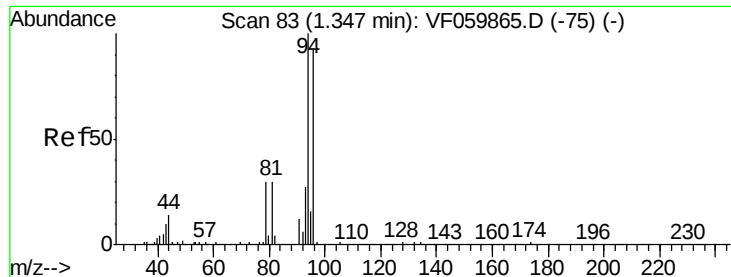
10000

5000

0

Time-->





#5

Bromomethane

Concen: 58.128 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

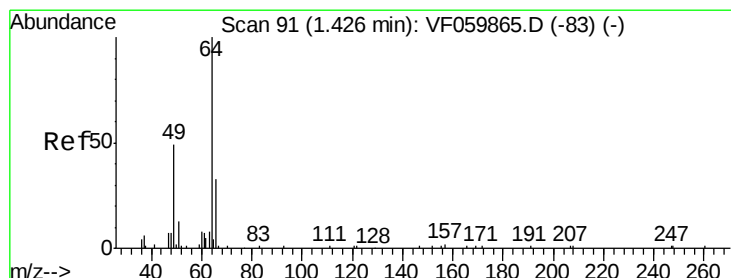
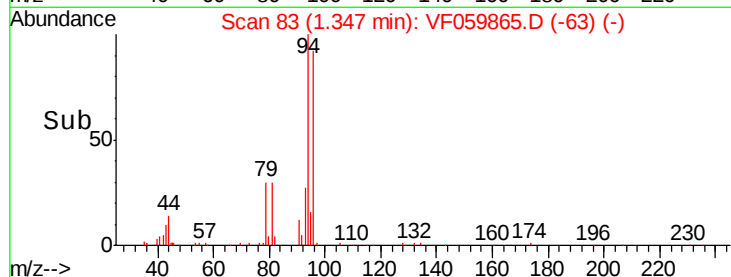
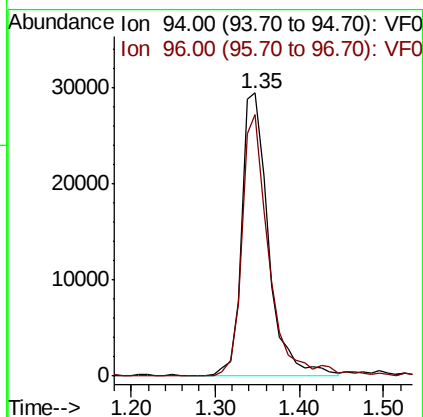
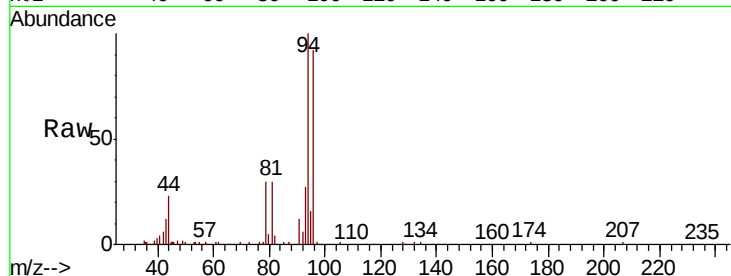
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 65397

Ion Ratio Lower Upper

94 100

96 92.3 73.8 110.8



#6

Chloroethane

Concen: 53.962 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059865.D

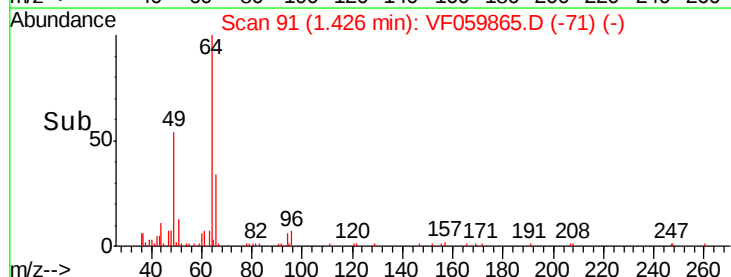
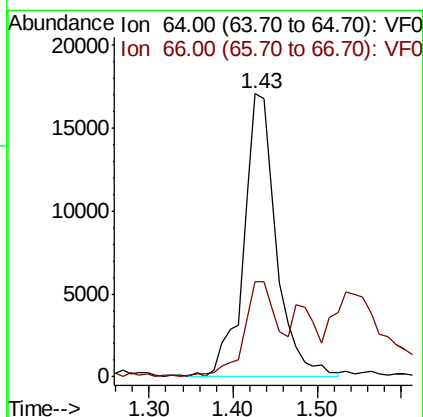
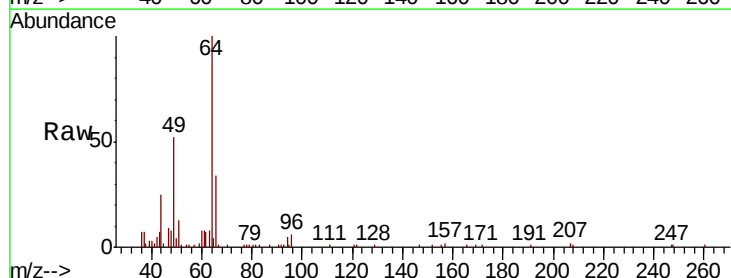
Acq: 4 Aug 2018 4:44

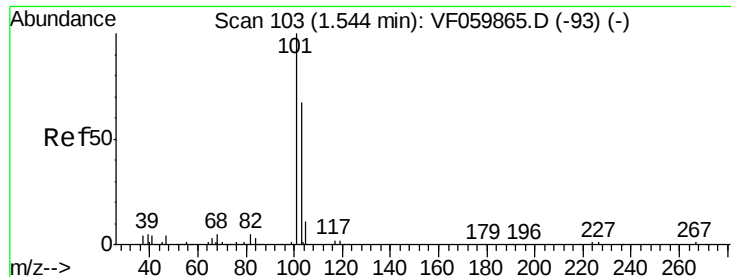
Tgt Ion: 64 Resp: 46117

Ion Ratio Lower Upper

64 100

66 33.6 26.9 40.3



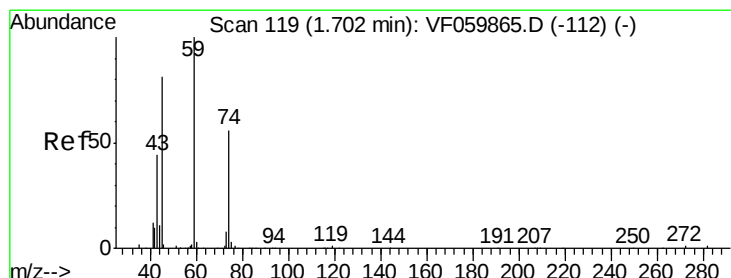
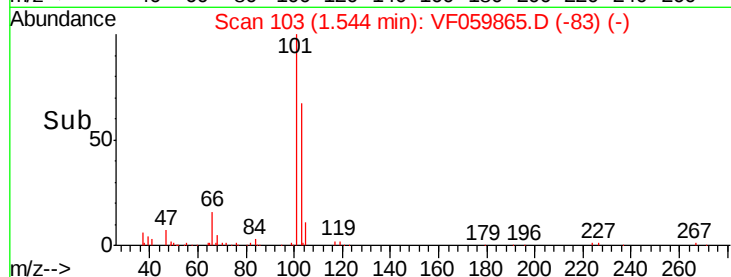
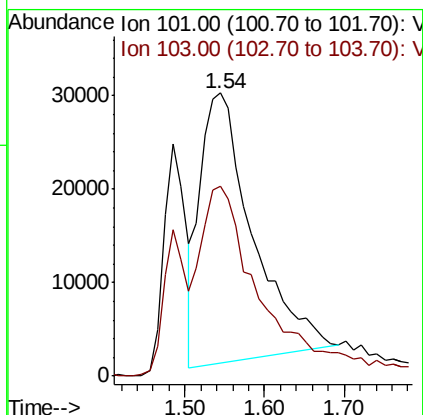
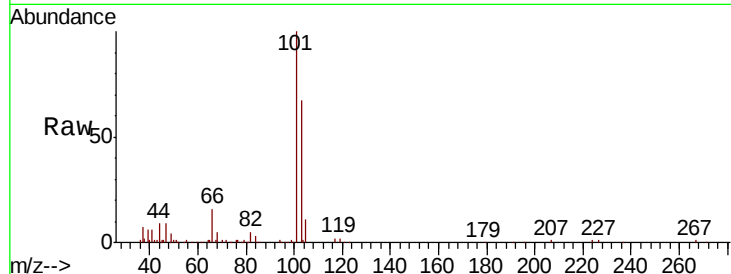


#7

Trichlorofluoromethane
Concen: 36.459 ug/l
RT: 1.54 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :

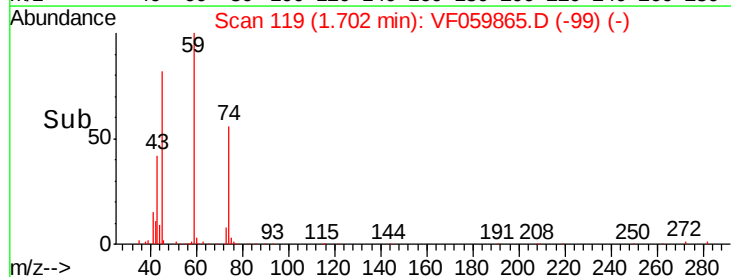
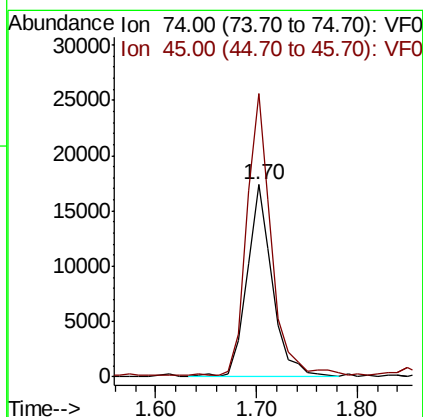
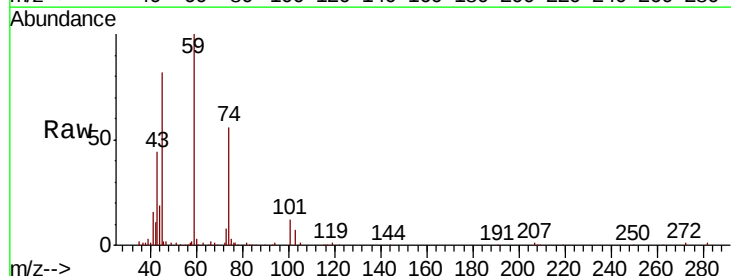
Tot Ion:101 Resp: 131948
Ion Ratio Lower Upper
101 100
103 67.0 53.6 80.4

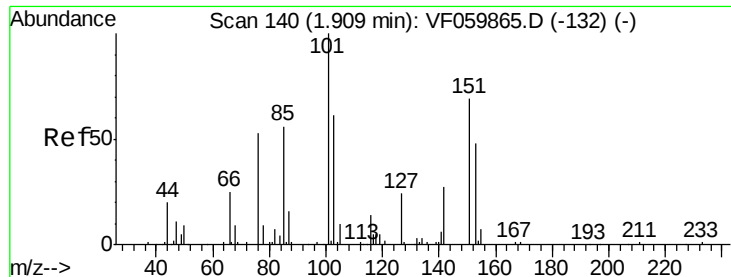


#8

Diethyl Ether
Concen: 50.325 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 74 Resp: 30392
Ion Ratio Lower Upper
74 100
45 147.1 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.389 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

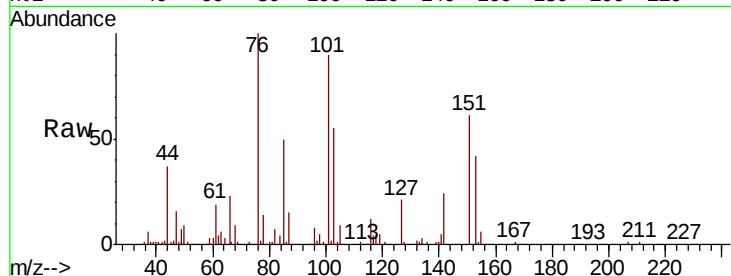
Tot Ion:101 Resp: 106779

Ion Ratio Lower Upper

101 100

85 55.6 44.5 66.7

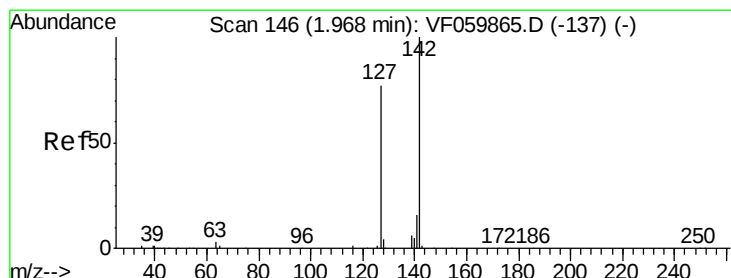
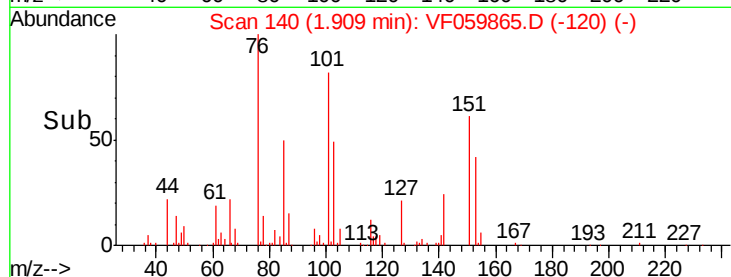
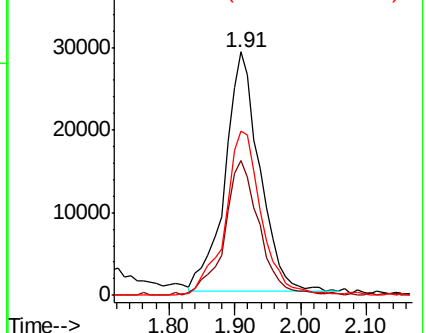
151 67.3 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 41.113 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

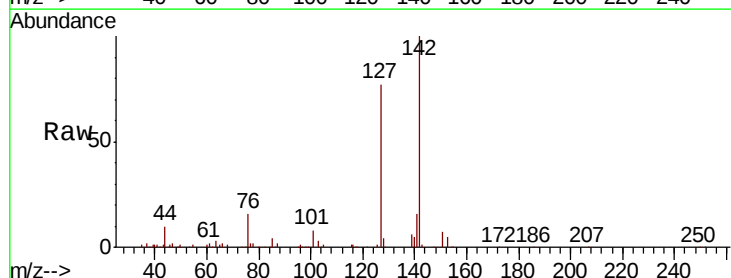
Tgt Ion:142 Resp: 123650

Ion Ratio Lower Upper

142 100

127 76.9 61.5 92.3

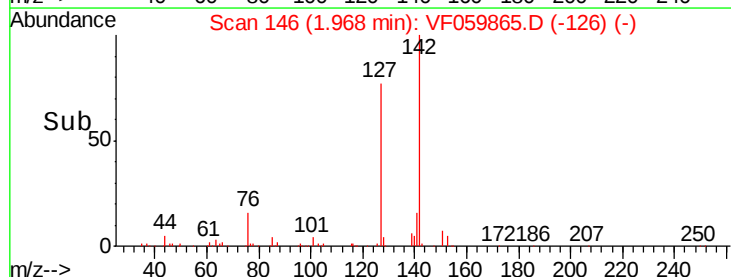
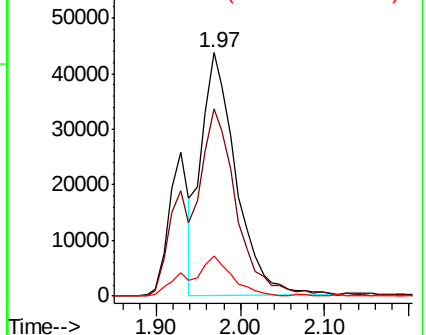
141 16.2 13.0 19.4

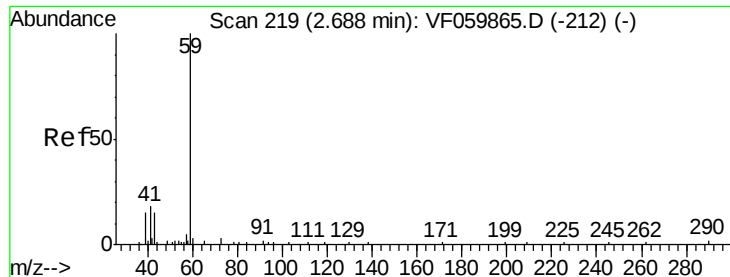


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



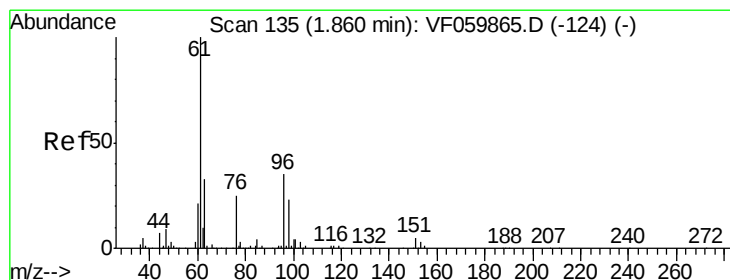
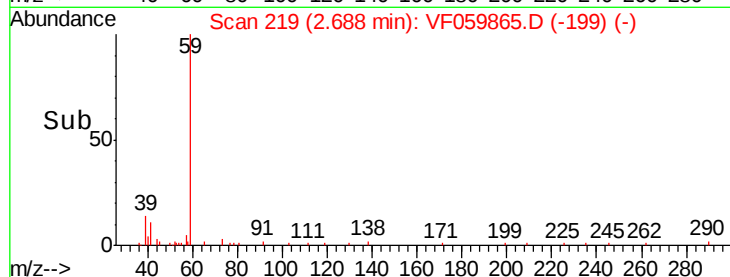
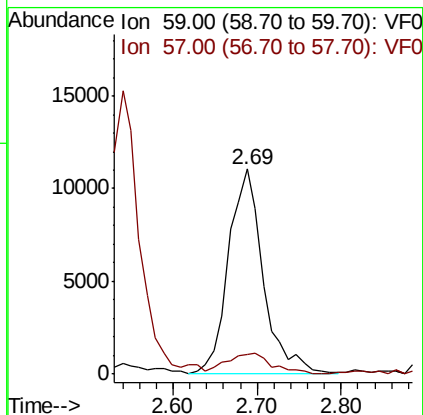
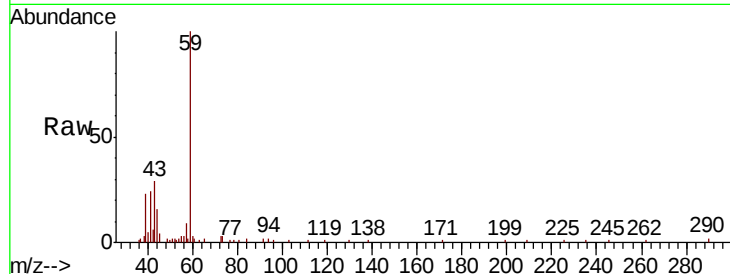


#11

Tert butyl alcohol
 Concen: 215.265 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :

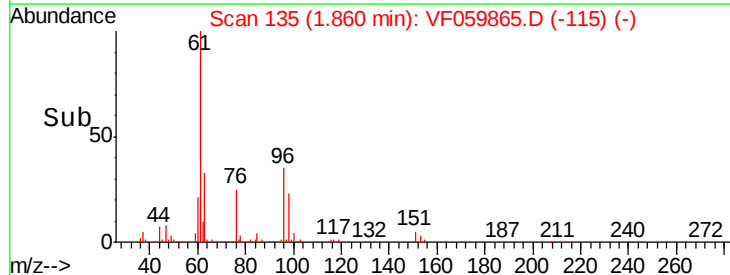
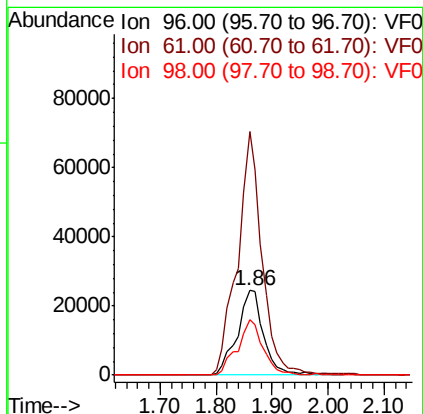
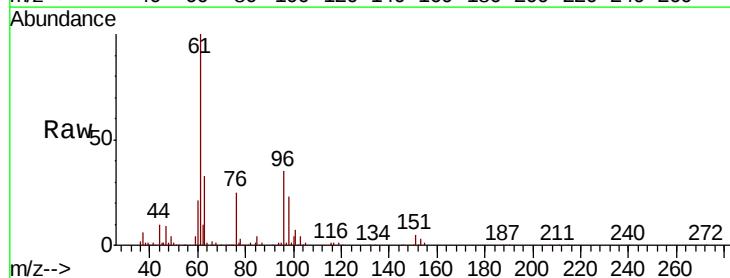
Tot Ion: 59 Resp: 31905
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.6 11.4

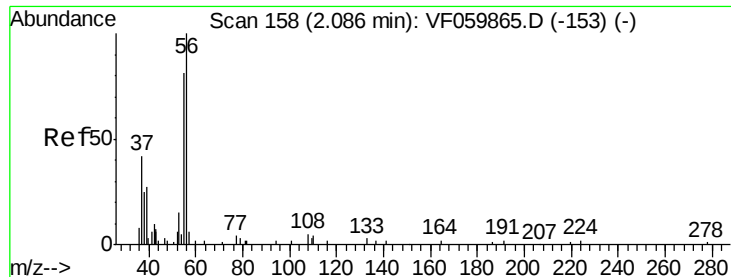


#12

1,1-Dichloroethene
 Concen: 53.107 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion: 96 Resp: 79958
 Ion Ratio Lower Upper
 96 100
 61 287.7 230.2 345.2
 98 65.9 52.7 79.1





#13

Acrolein

Concen: 300.437 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

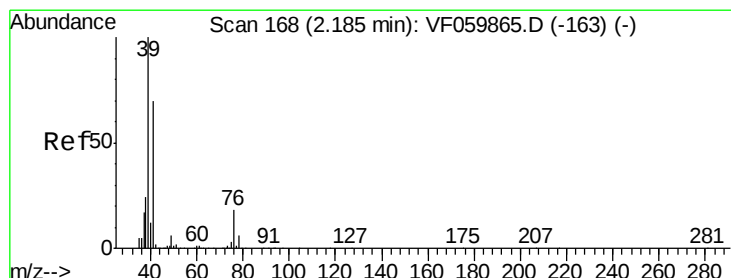
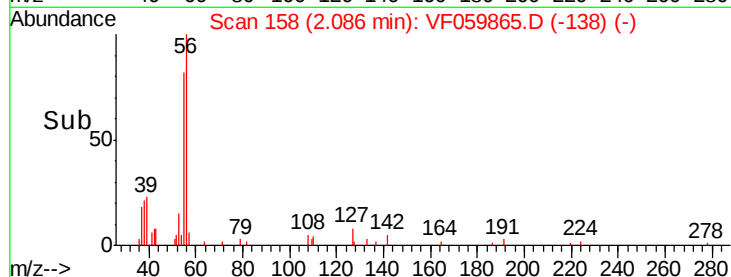
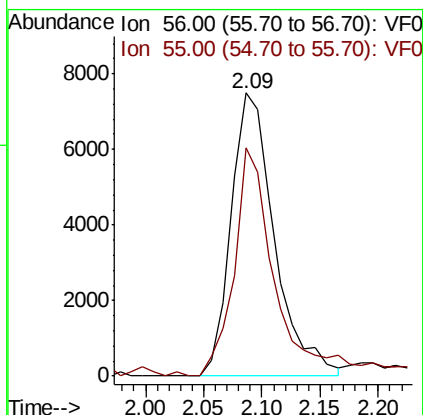
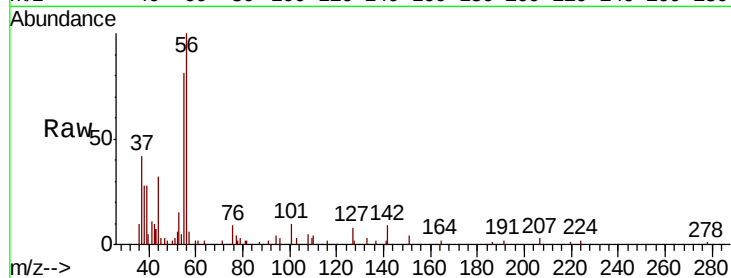
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 19333

Ion Ratio Lower Upper

56 100

55 80.7 64.6 96.8



#14

Allyl chloride

Concen: 55.083 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

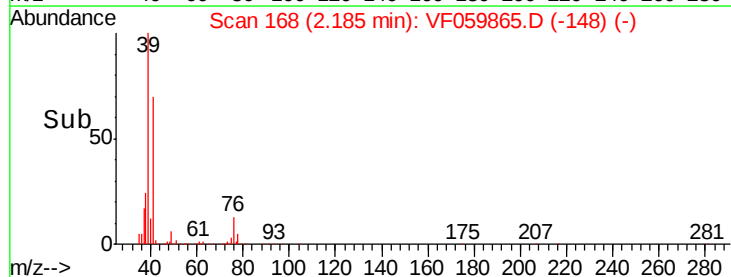
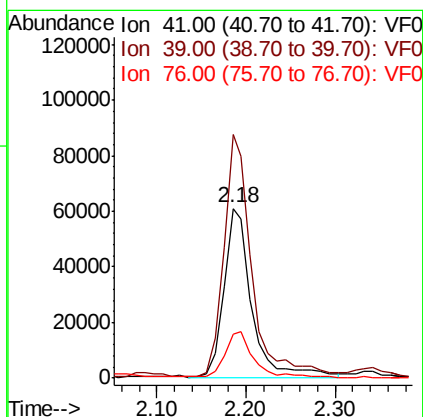
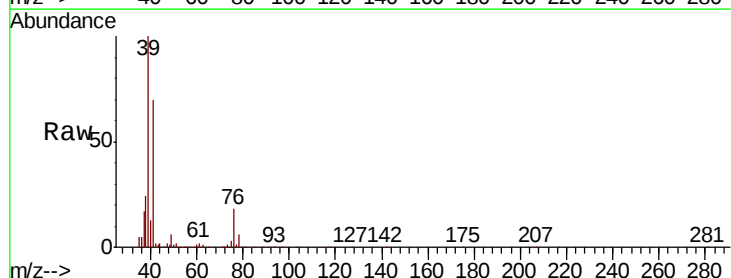
Tgt Ion: 41 Resp: 132940

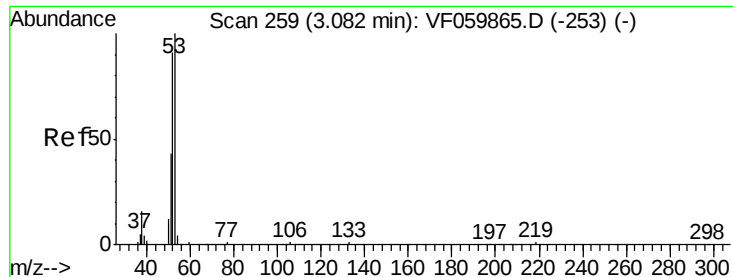
Ion Ratio Lower Upper

41 100

39 143.2 114.6 171.8

76 26.2 21.0 31.4





#15

Acrylonitrile

Concen: 257.466 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

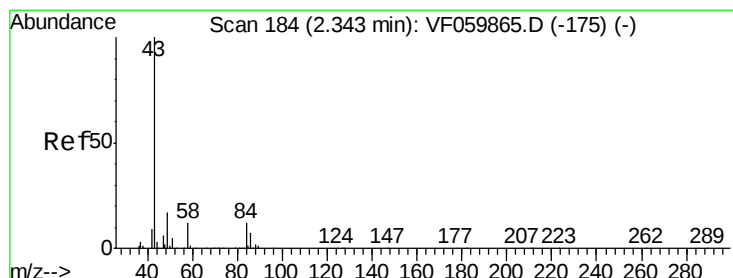
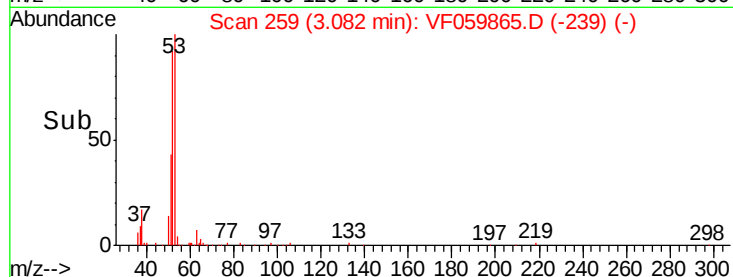
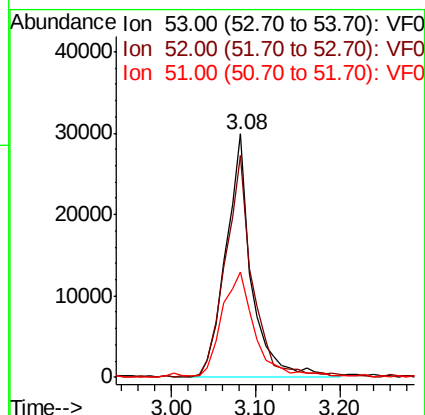
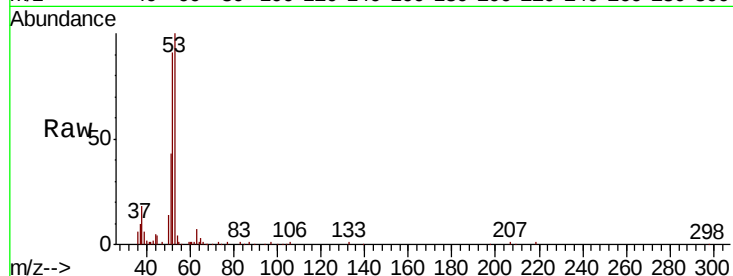
Tot Ion: 53 Resp: 63179

Ion Ratio Lower Upper

53 100

52 91.1 72.9 109.3

51 43.1 34.5 51.7



#16

Acetone

Concen: 244.357 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059865.D

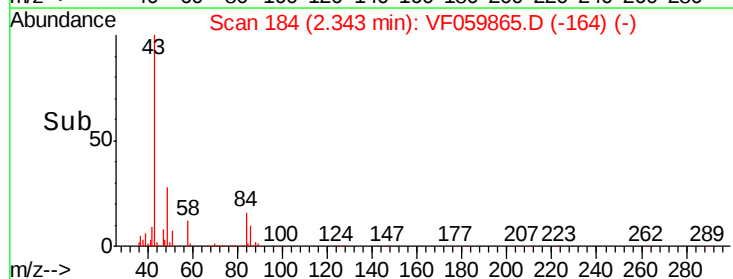
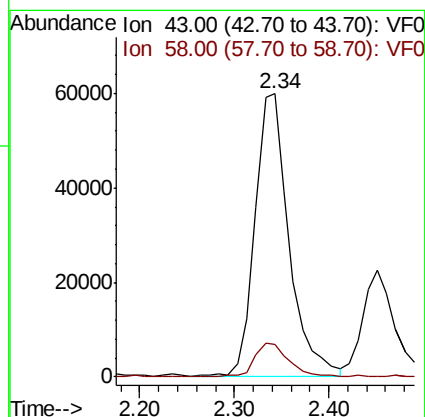
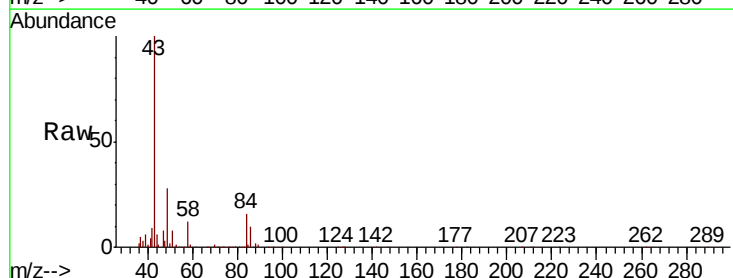
Acq: 4 Aug 2018 4:44

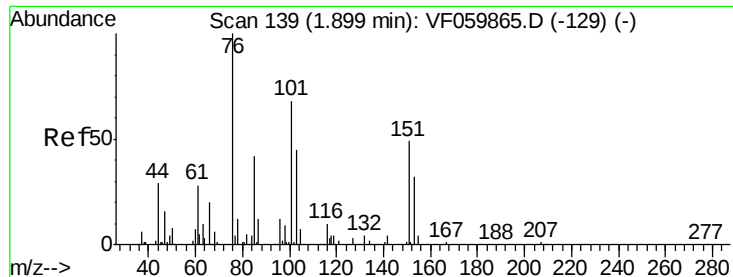
Tgt Ion: 43 Resp: 148535

Ion Ratio Lower Upper

43 100

58 11.7 9.4 14.0

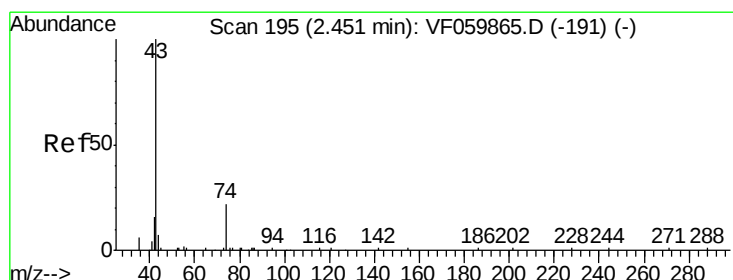
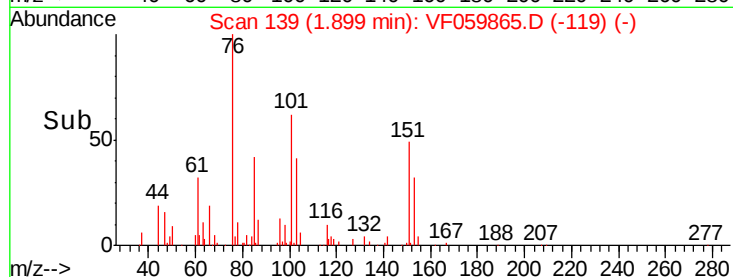
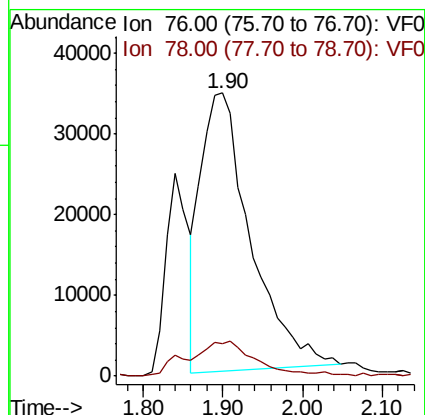
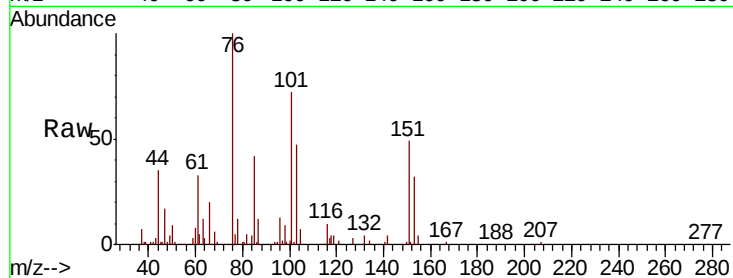




#17
Carbon Disulfide
Concen: 40.033 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

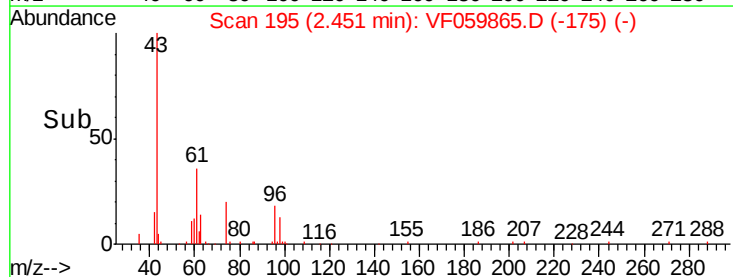
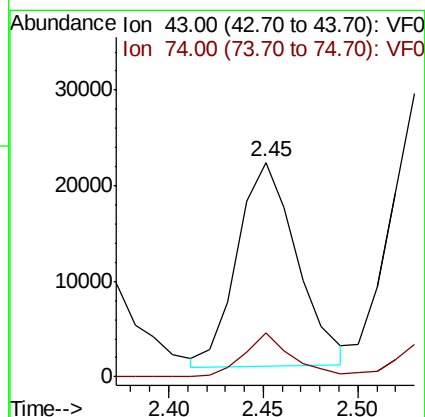
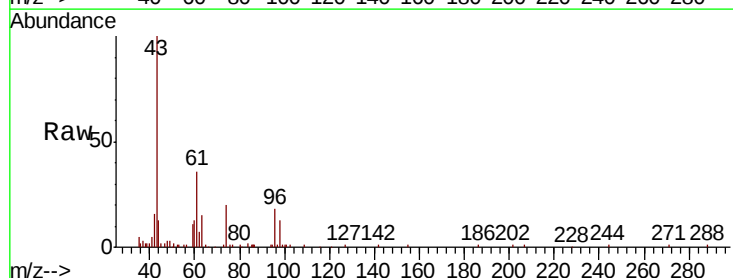
Instrument :
MSVOA_F
ClientSampleId :

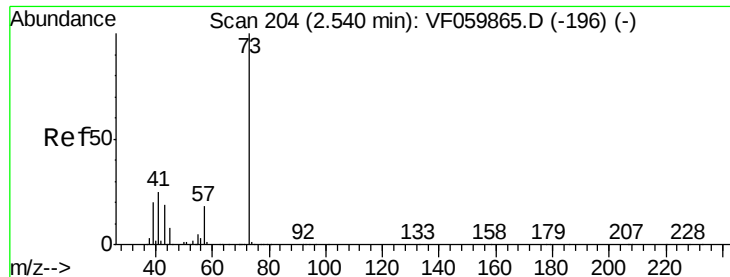
Tot Ion: 76 Resp: 150045
Ion Ratio Lower Upper
76 100
78 11.6 9.3 13.9



#18
Methyl Acetate
Concen: 41.123 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 43 Resp: 46681
Ion Ratio Lower Upper
43 100
74 20.4 16.3 24.5



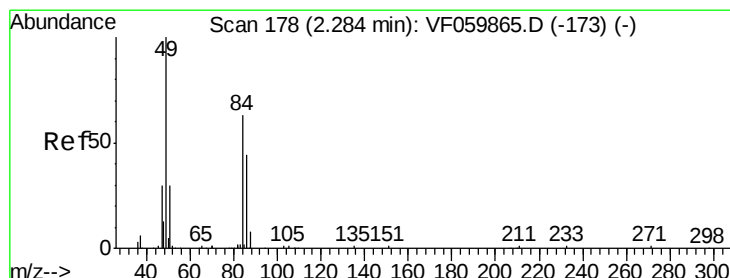
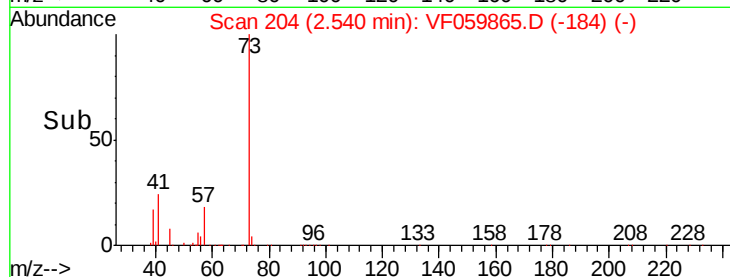
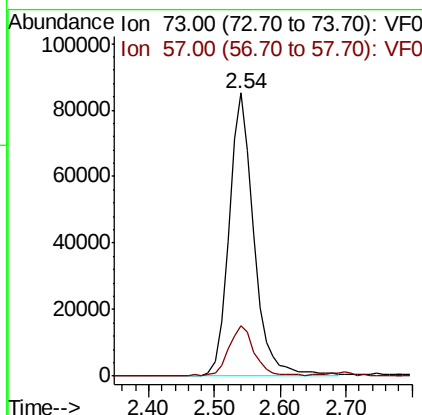
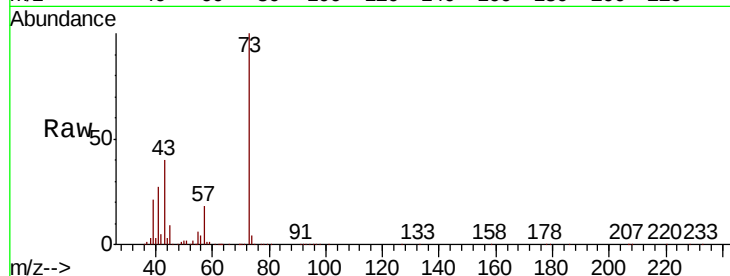


#19

Methyl tert-butyl Ether
 Concen: 50.196 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :

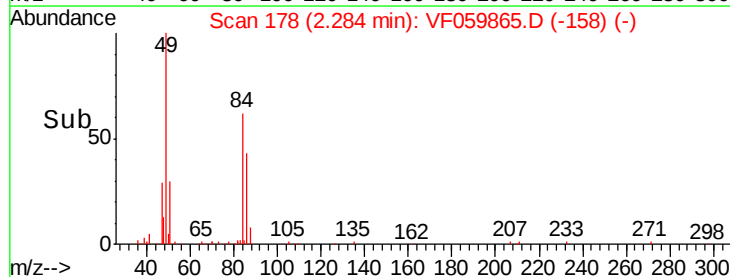
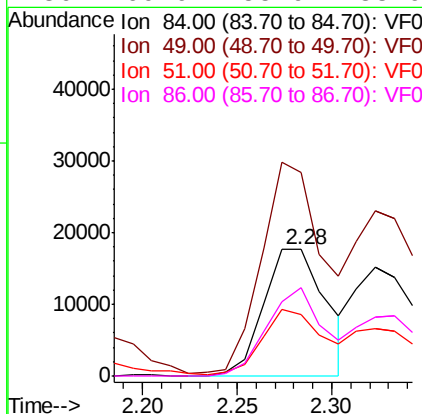
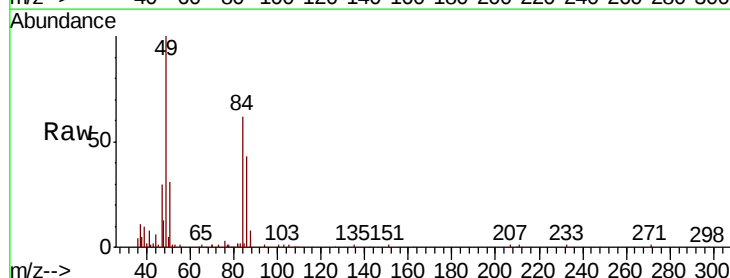
Tot Ion: 73 Resp: 224236
 Ion Ratio Lower Upper
 73 100
 57 17.9 14.3 21.5

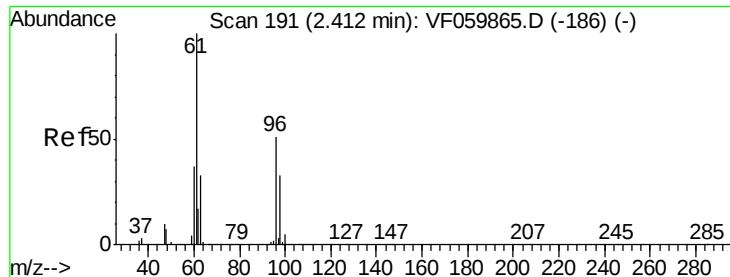


#20

Methylene Chloride
 Concen: 23.283 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion: 84 Resp: 40522
 Ion Ratio Lower Upper
 84 100
 49 160.9 128.7 193.1
 51 49.1 39.3 58.9
 86 69.9 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 51.859 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

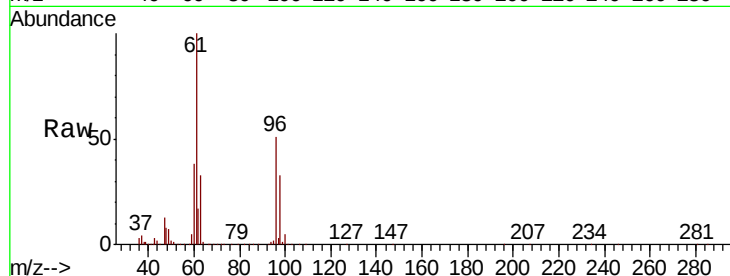
Tot Ion: 96 Resp: 78207

Ion Ratio Lower Upper

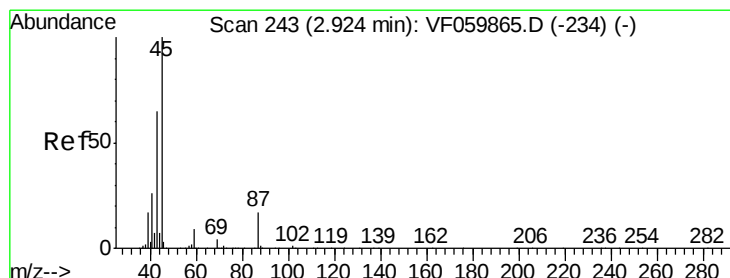
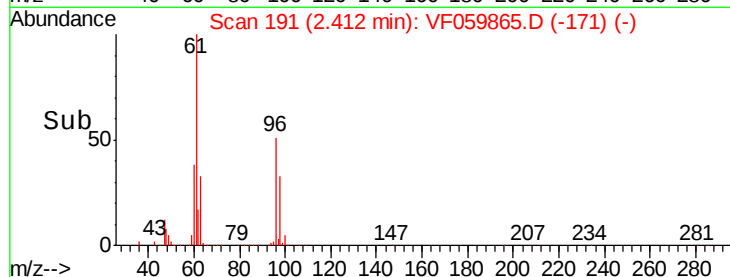
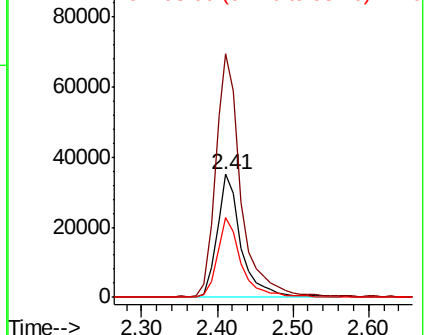
96 100

61 197.8 158.2 237.4

98 65.0 52.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 52.312 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion: 45 Resp: 261917

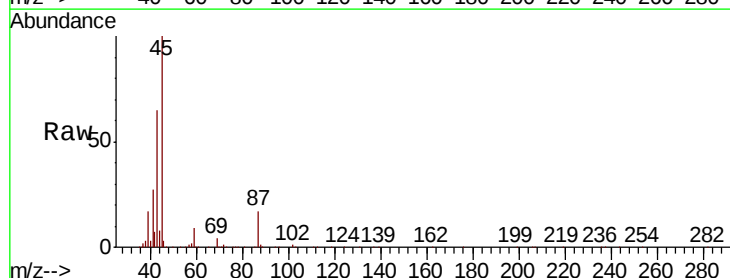
Ion Ratio Lower Upper

45 100

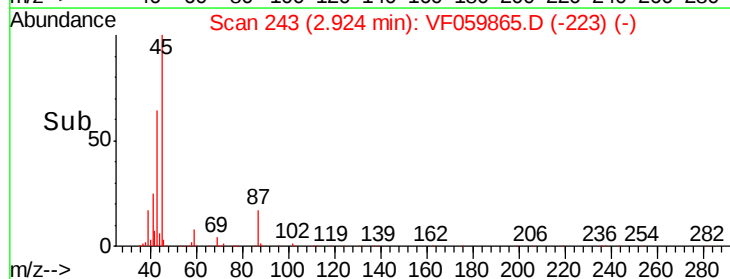
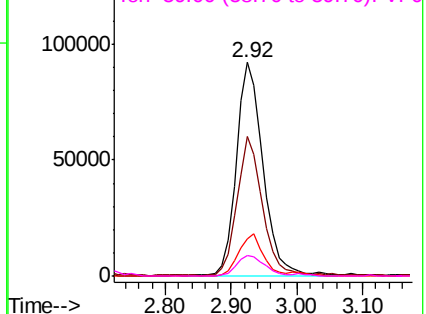
43 65.1 52.1 78.1

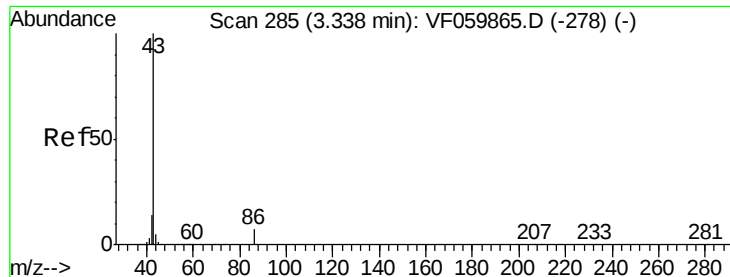
87 17.3 13.8 20.8

59 9.4 7.5 11.3



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 260.544 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

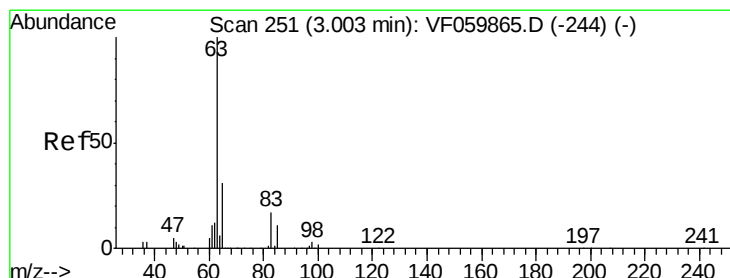
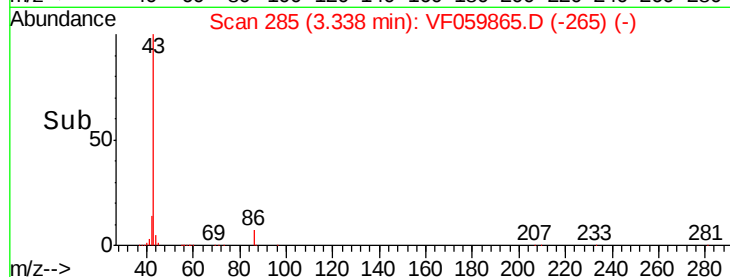
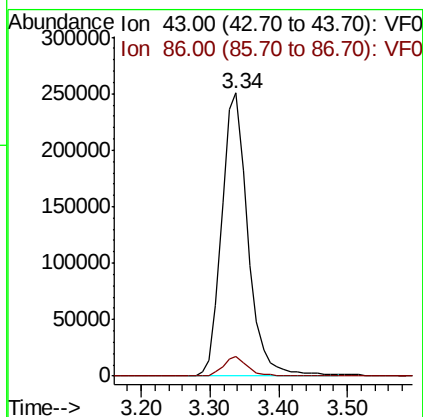
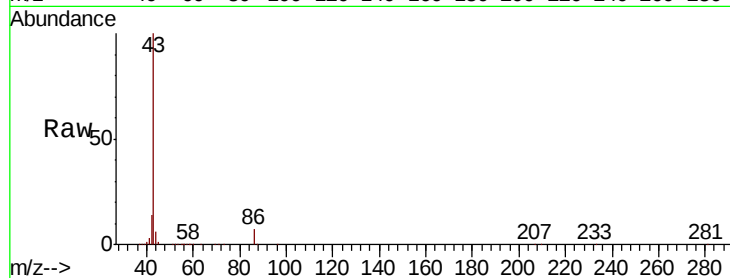
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 662473

Ion Ratio Lower Upper

43 100

86 7.0 5.6 8.4



#24

1,1-Dichloroethane

Concen: 53.640 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

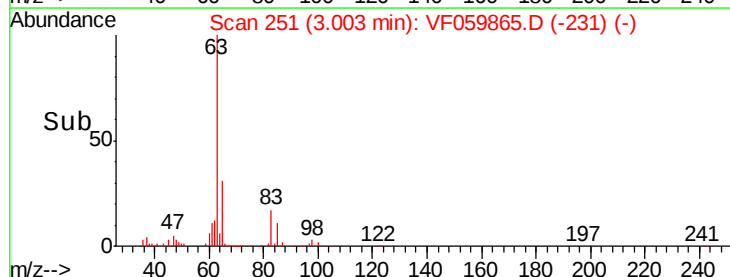
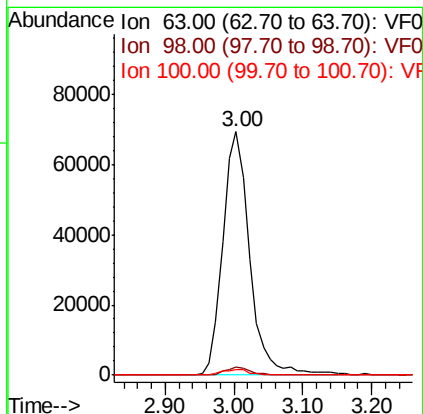
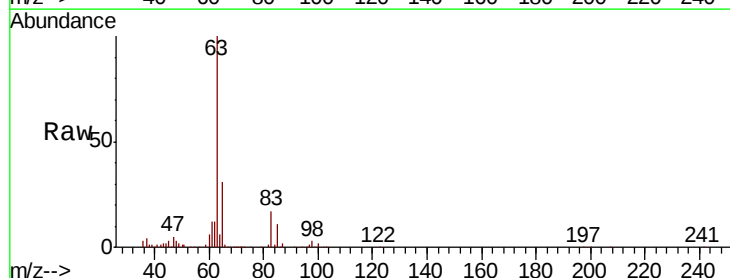
Tgt Ion: 63 Resp: 188260

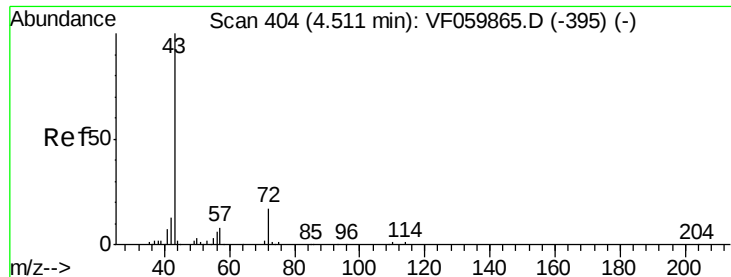
Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.3 1.1 3.5





#25

2-Butanone

Concen: 250.363 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

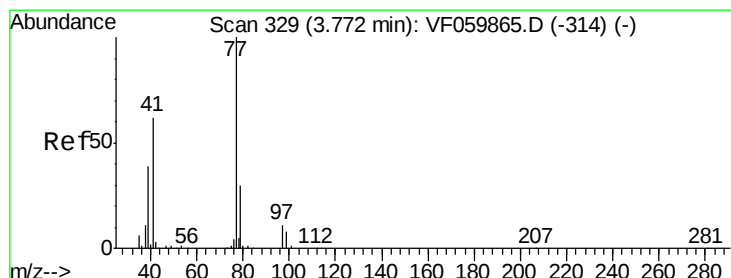
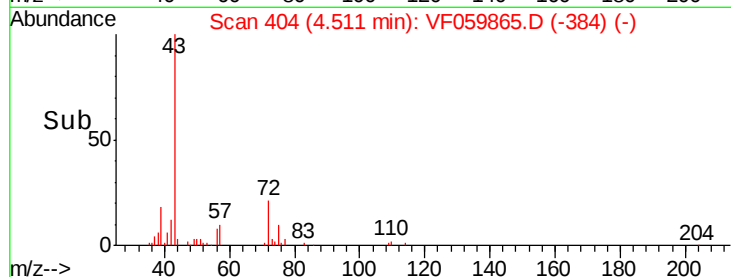
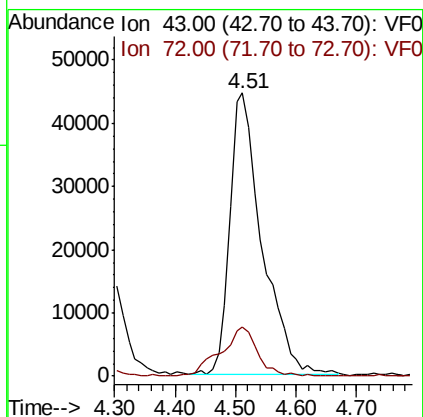
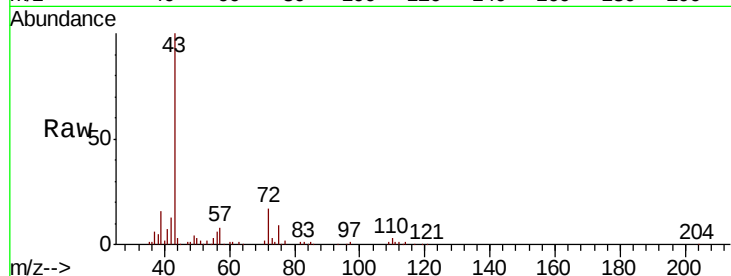
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 163936

Ion Ratio Lower Upper

43 100

72 17.4 13.9 20.9



#26

2,2-Dichloropropane

Concen: 46.948 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059865.D

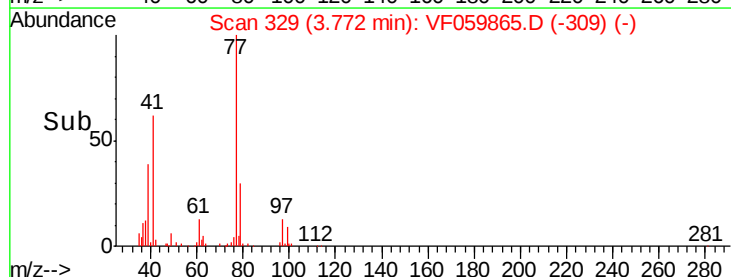
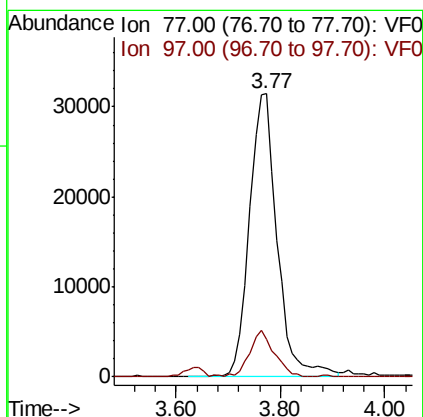
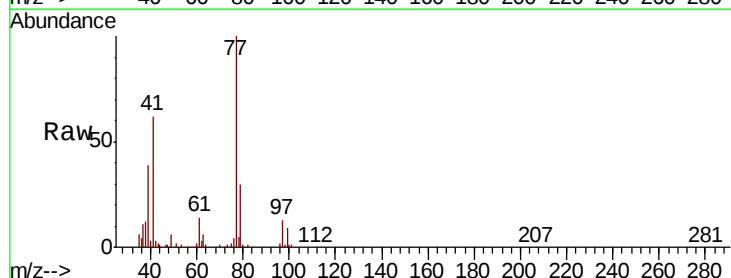
Acq: 4 Aug 2018 4:44

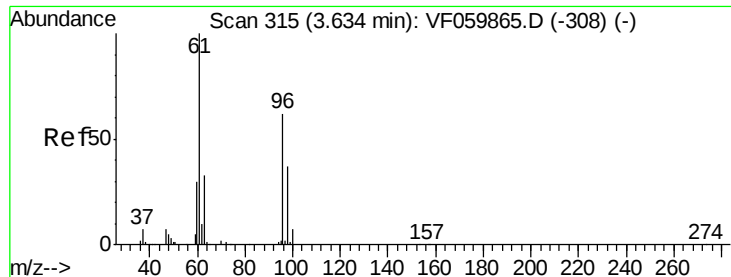
Tgt Ion: 77 Resp: 113439

Ion Ratio Lower Upper

77 100

97 13.5 6.8 20.3



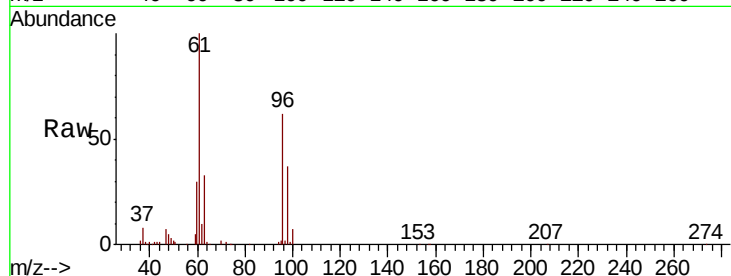


#27

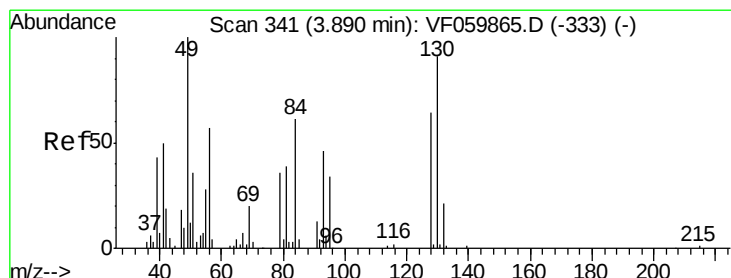
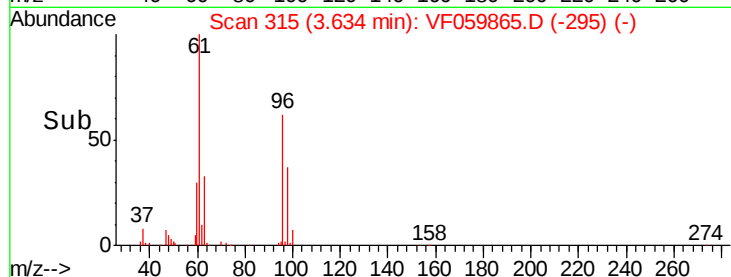
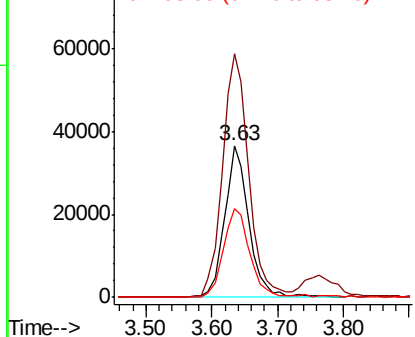
cis-1,2-Dichloroethene
Concen: 51.095 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	96	Resp	94492
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	320.8
98	58.8	0.0	117.6



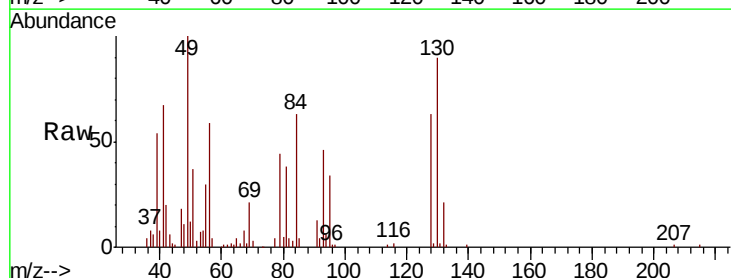
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



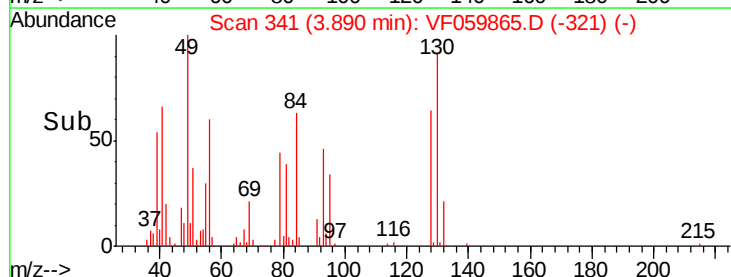
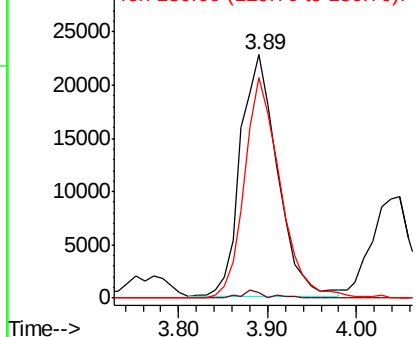
#28

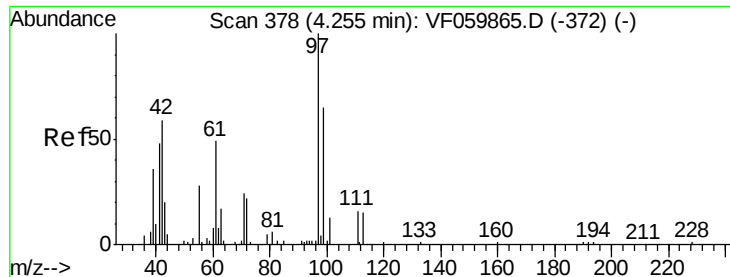
Bromochloromethane
Concen: 48.176 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	49	Resp	65624
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	92.3	73.8	110.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

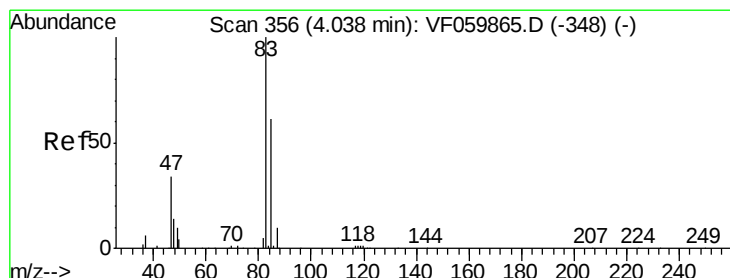
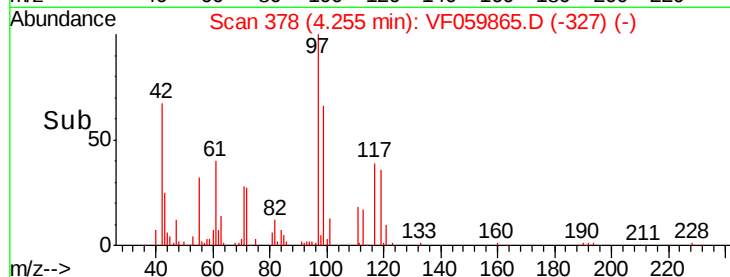
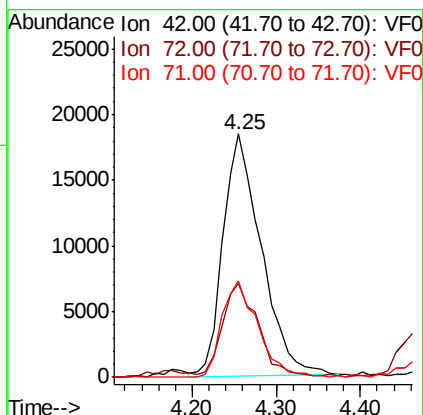
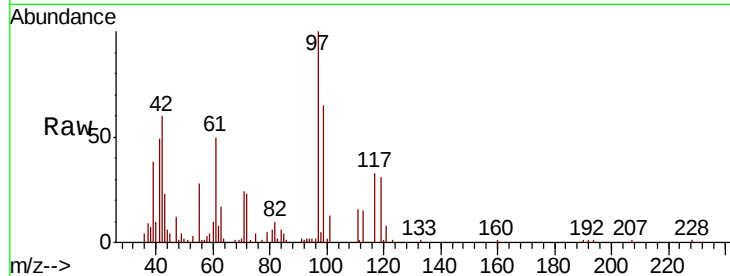




#29
Tetrahydrofuran
Concen: 225.972 ug/l
RT: 4.25 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

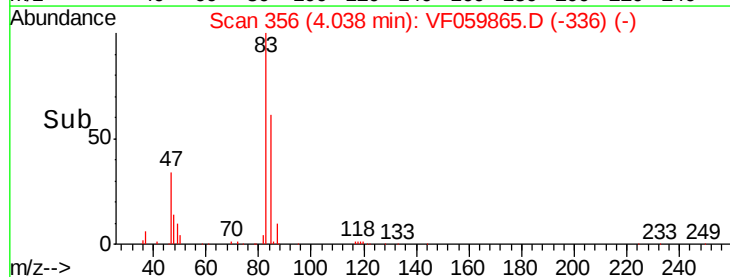
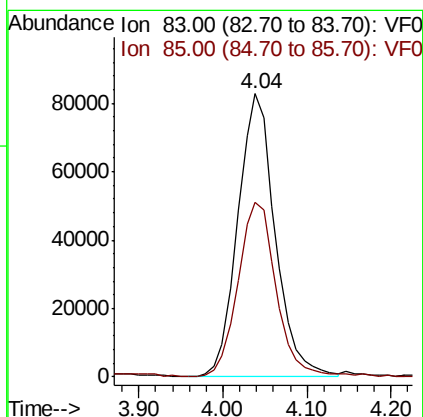
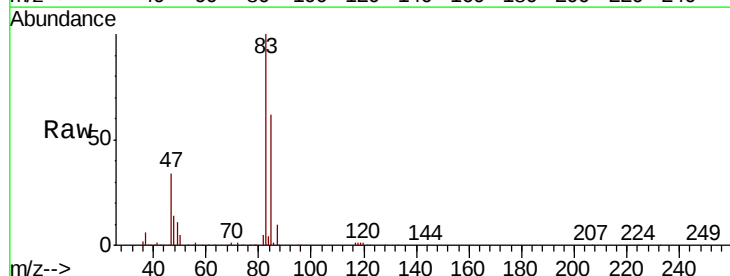
Instrument :
MSVOA_F
ClientSampleId :

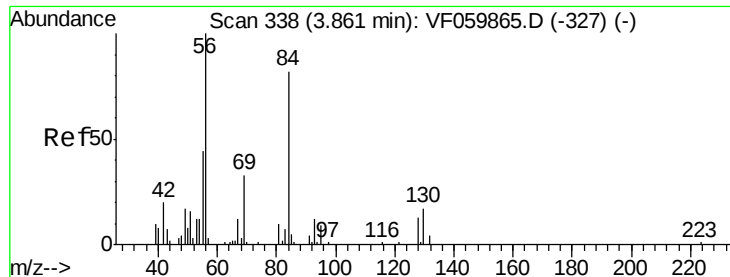
Tot Ion	42	Resp	58436
Ion Ratio	Lower	Upper	
42	100		
72	36.6	29.3	43.9
71	37.5	30.0	45.0



#30
Chloroform
Concen: 52.397 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	83	Resp	256504
Ion Ratio	Lower	Upper	
83	100		
85	61.6	49.3	73.9

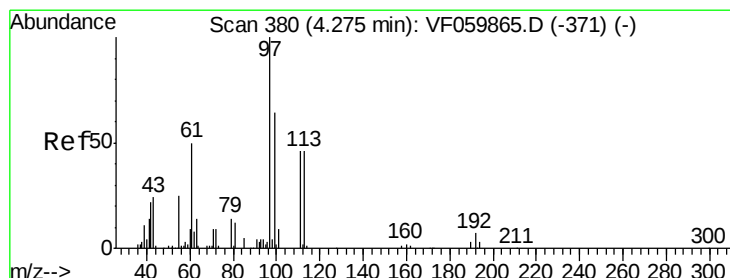
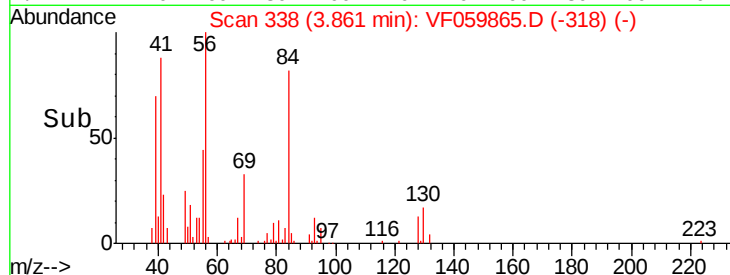
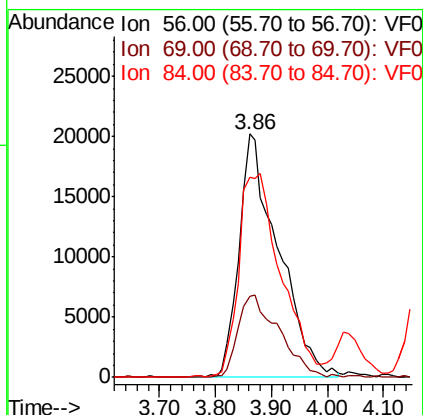
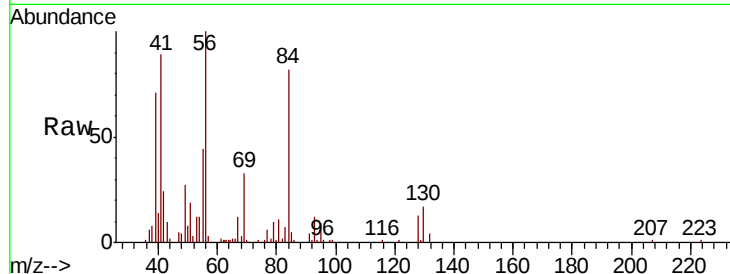




#31
Cyclohexane
Concen: 51.436 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

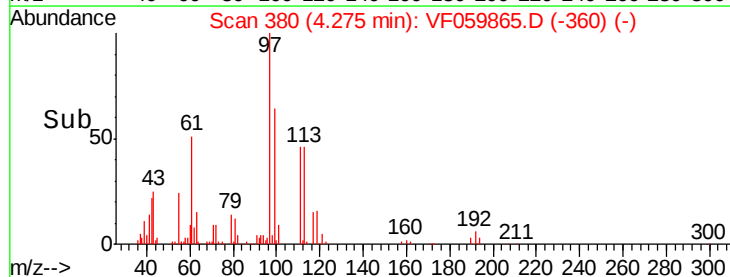
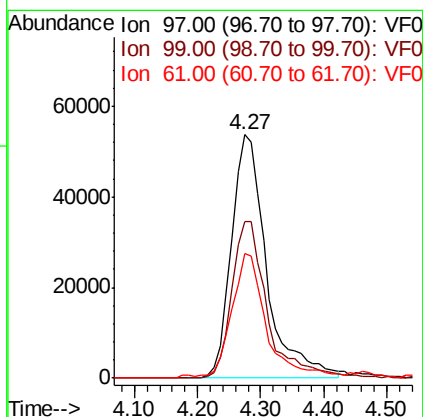
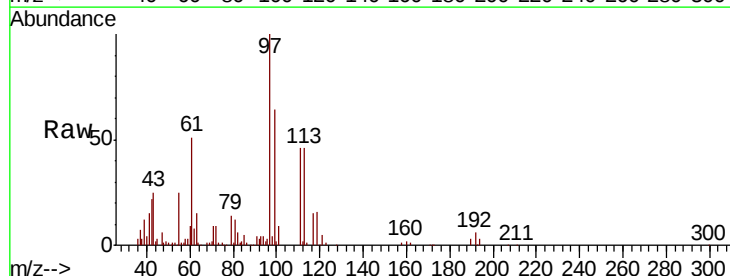
Instrument :
MSVOA_F
ClientSampleId :

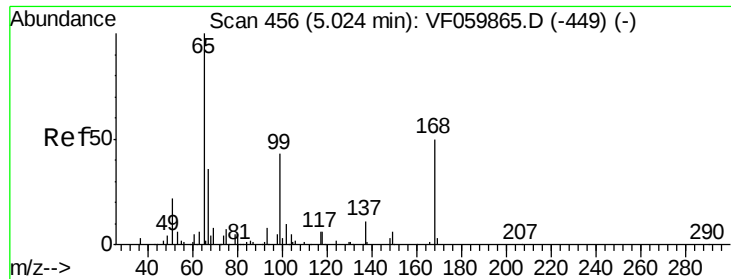
Tot Ion: 56 Resp: 97889
Ion Ratio Lower Upper
56 100
69 33.4 26.7 40.1
84 82.4 65.9 98.9



#32
1,1,1-Trichloroethane
Concen: 54.054 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 97 Resp: 207446
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 51.0 40.8 61.2

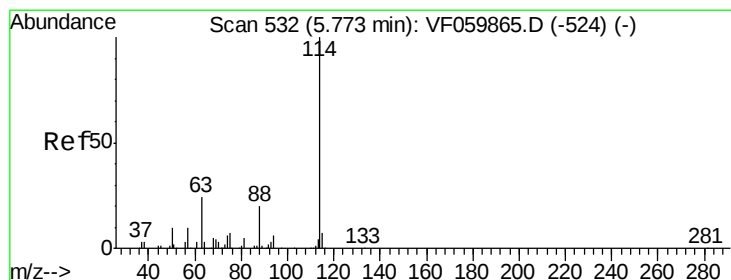
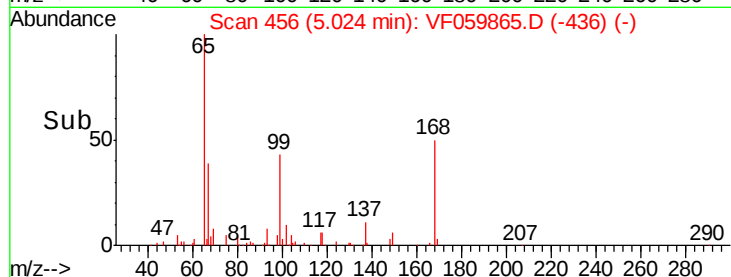
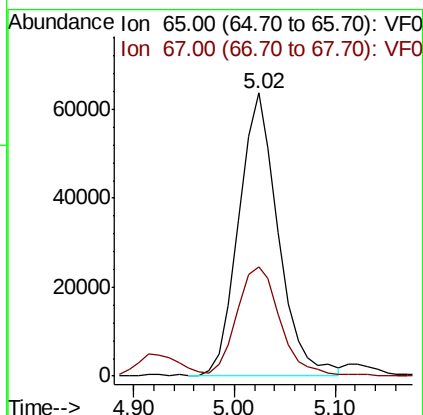
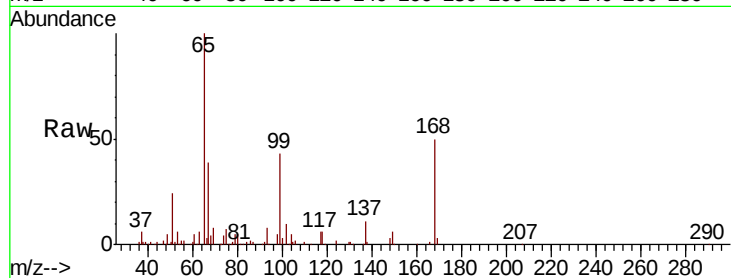




#33
 1,2-Dichloroethane-d4
 Concen: 51.017 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

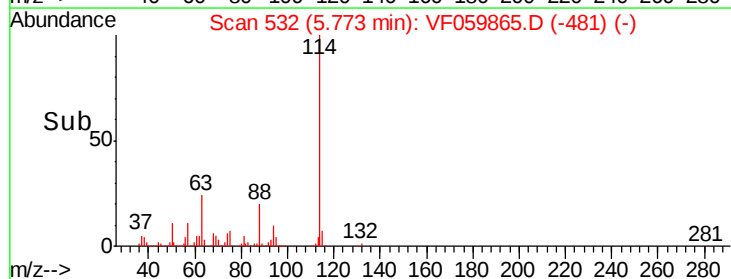
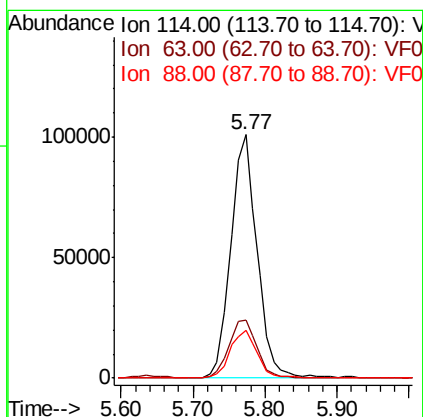
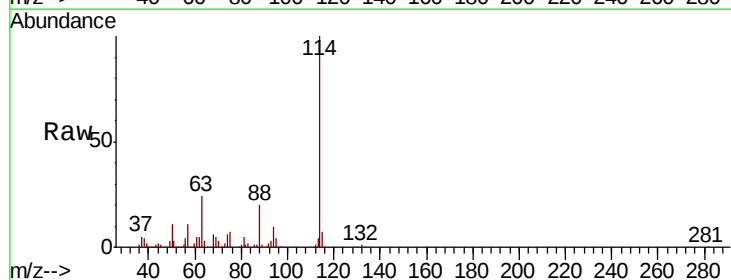
Instrument :
 MSVOA_F
 ClientSampleId :

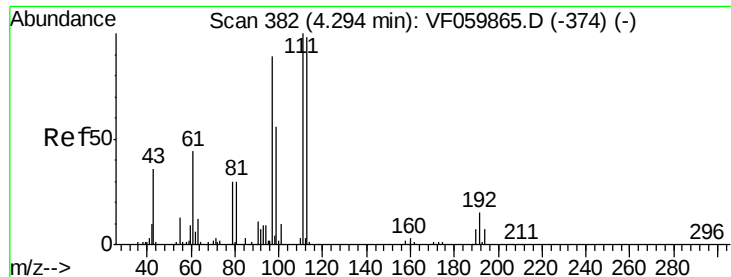
Tot Ion: 65 Resp: 172824
 Ion Ratio Lower Upper
 65 100
 67 38.6 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion: 114 Resp: 257389
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.0
 88 19.7 0.0 39.4

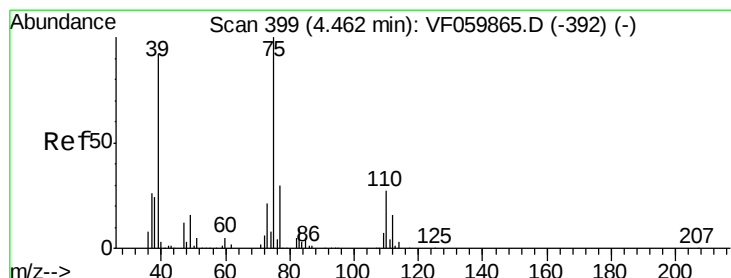
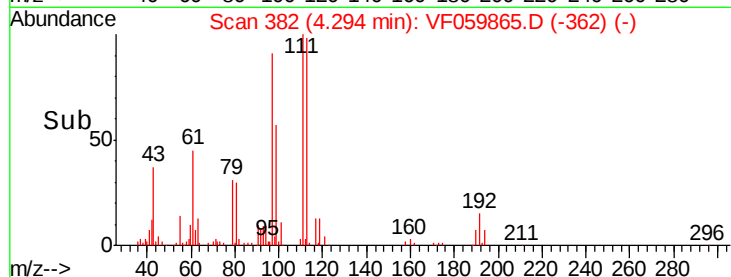
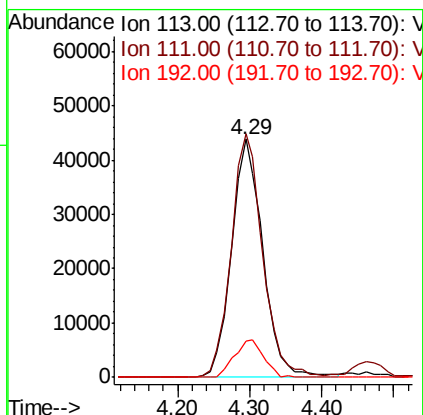
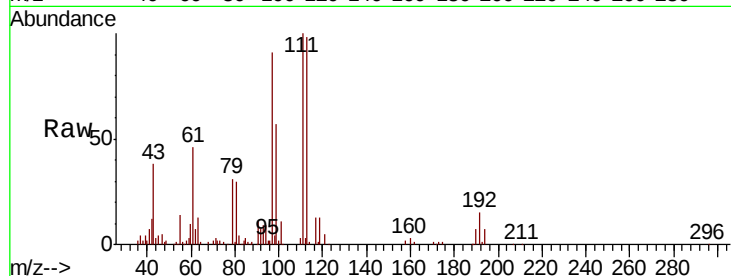




#35
 Dibromofluoromethane
 Concen: 49.292 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

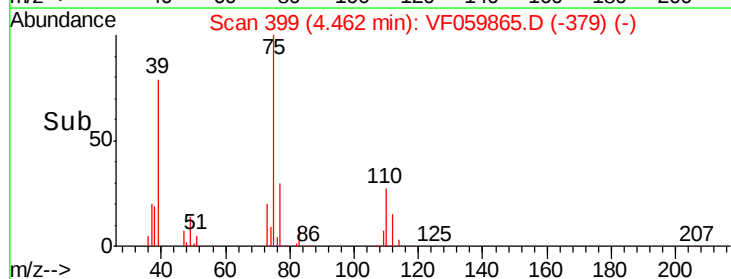
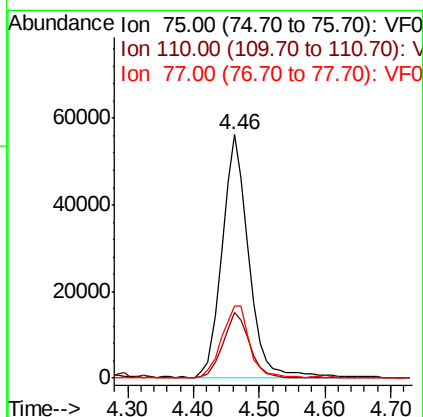
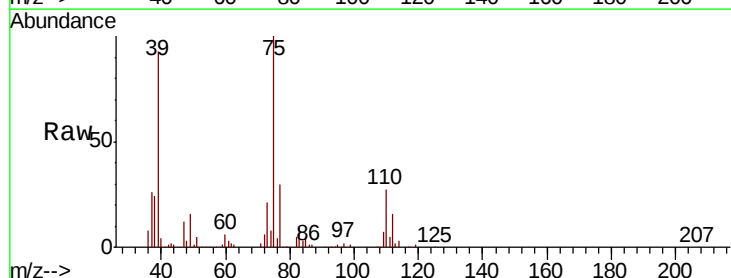
Instrument :
 MSVOA_F
 ClientSampleId :

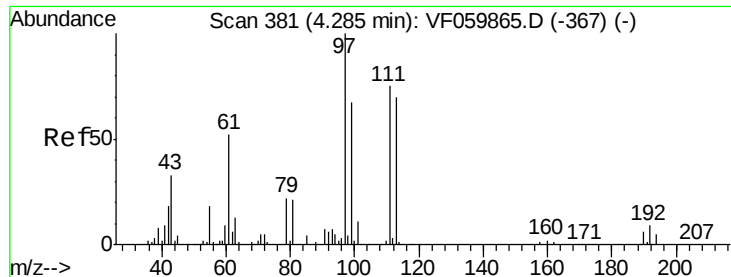
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	15.5	12.4	18.6



#36
 1,1-Dichloropropene
 Concen: 51.953 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.1	13.6	40.7
77	29.6	23.7	35.5

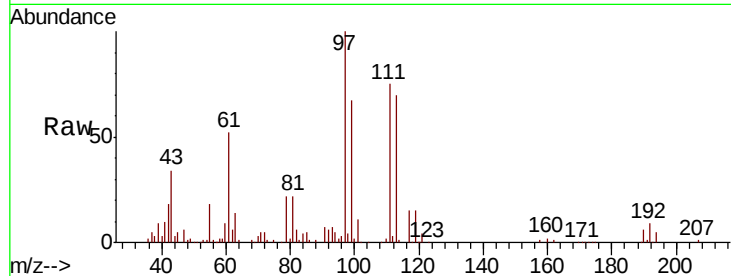




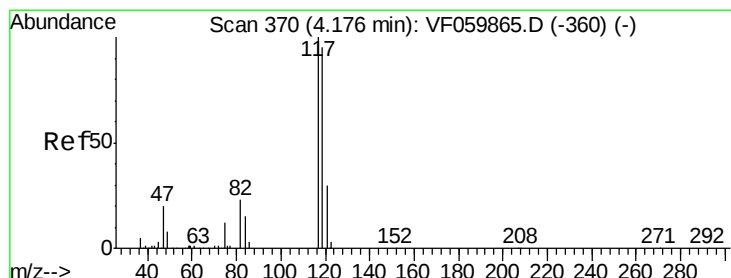
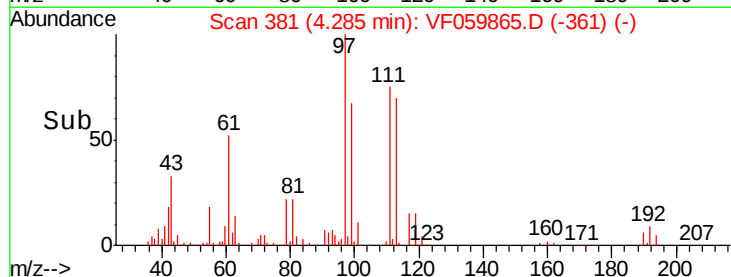
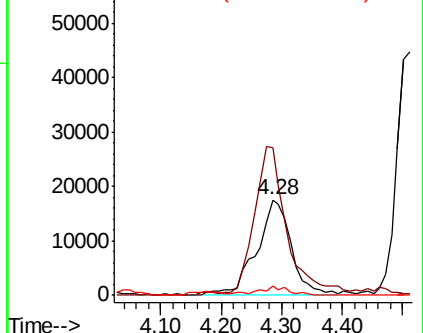
#37
Ethyl Acetate
Concen: 45.812 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 68279
Ion Ratio Lower Upper
43 100
61 154.6 123.7 185.5
70 9.8 7.8 11.8

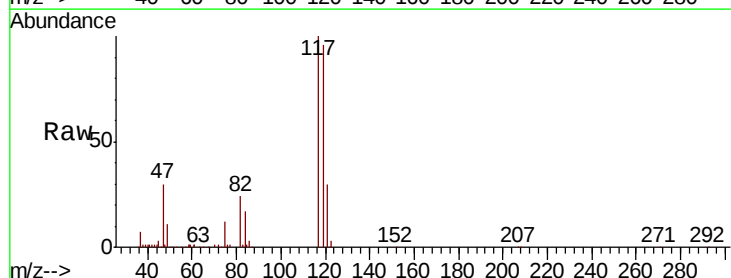


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

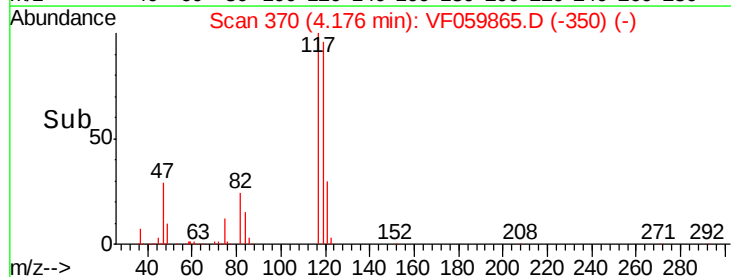
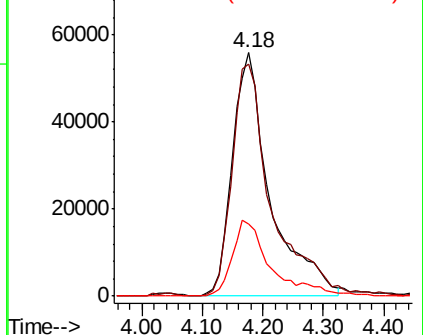


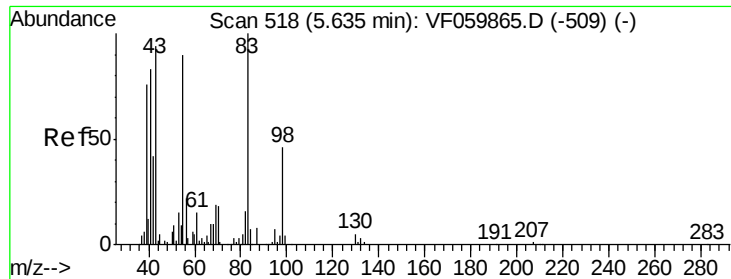
#38
Carbon Tetrachloride
Concen: 58.216 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 117 Resp: 244486
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 29.8 23.8 35.8



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

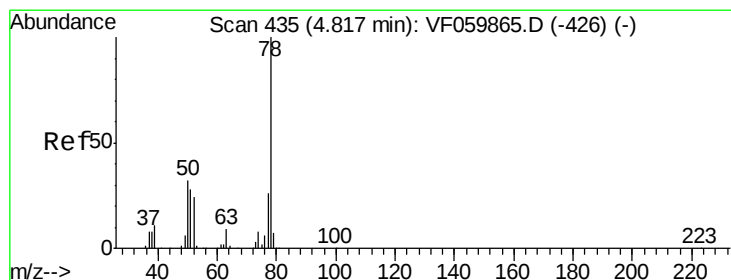
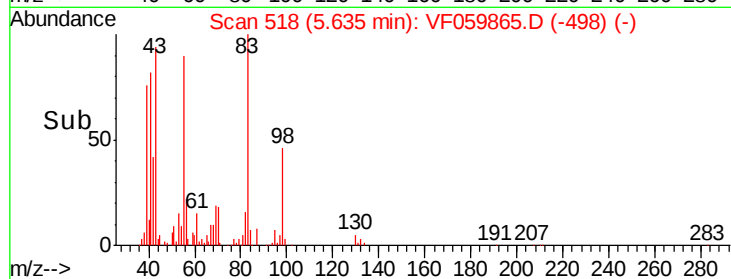
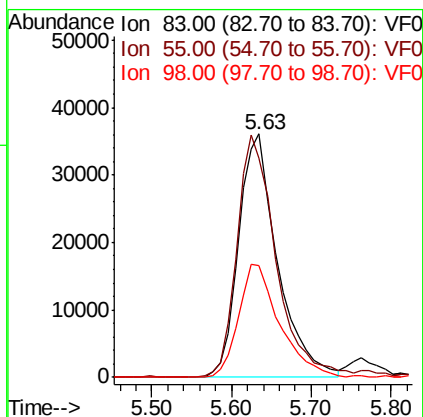
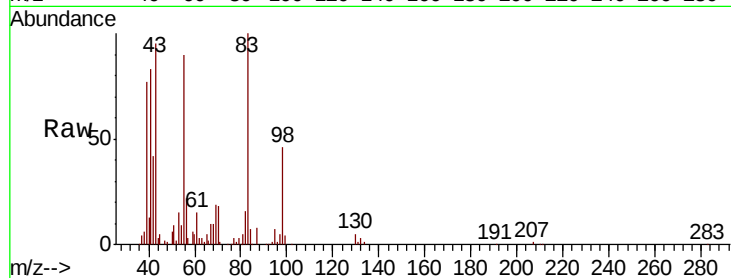




#39
Methvlcvclohexane
Concen: 52.754 ug/l
RT: 5.63 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

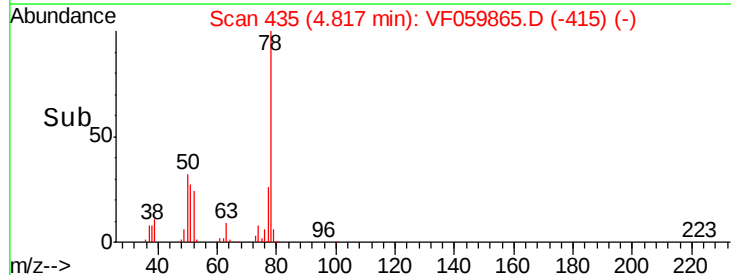
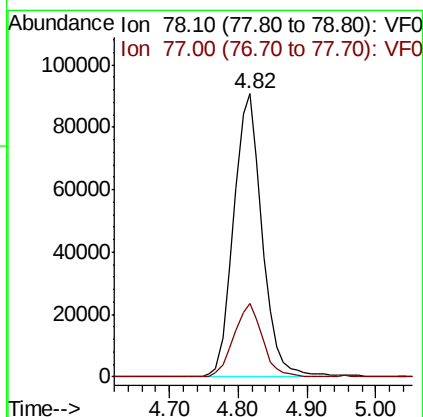
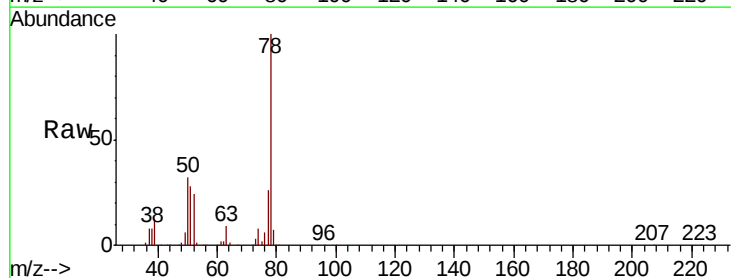
Instrument :
MSVOA_F
ClientSampleId :

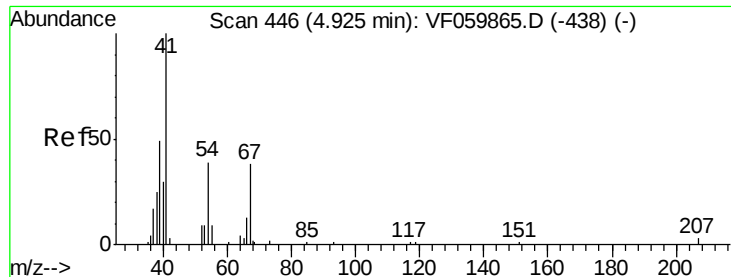
Tot Ion: 83 Resp: 121891
Ion Ratio Lower Upper
83 100
55 90.0 72.0 108.0
98 45.7 36.6 54.8



#40
Benzene
Concen: 49.018 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 78 Resp: 260496
Ion Ratio Lower Upper
78 100
77 25.9 20.7 31.1

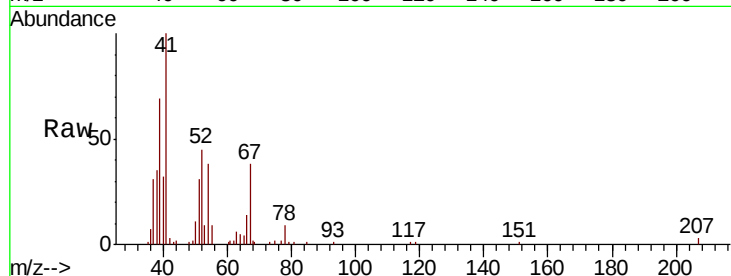




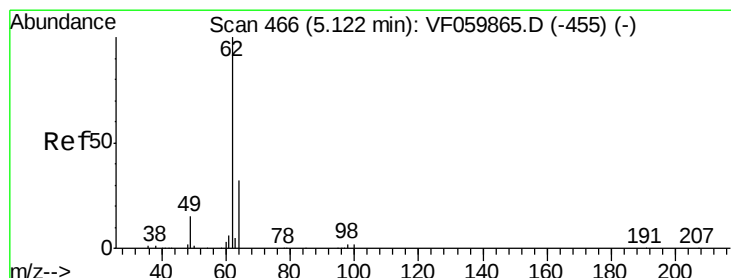
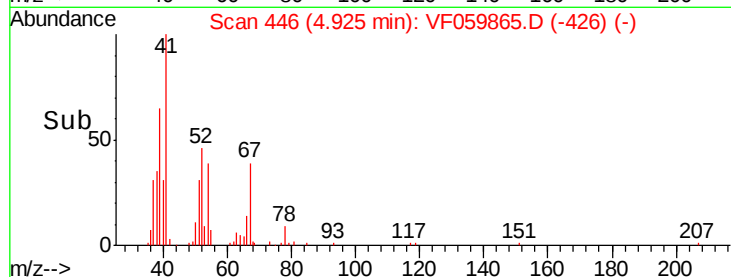
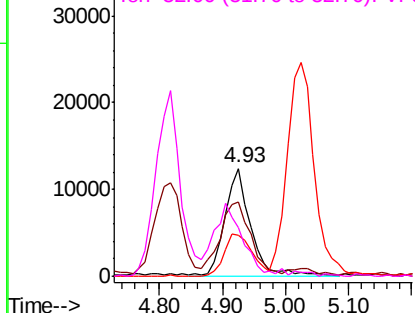
#41
Methacrylonitrile
Concen: 48.423 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	35459
Ion	Ratio	Lower	Upper
41	100		
39	68.9	55.1	82.7
67	37.9	30.3	45.5
52	45.0	36.0	54.0

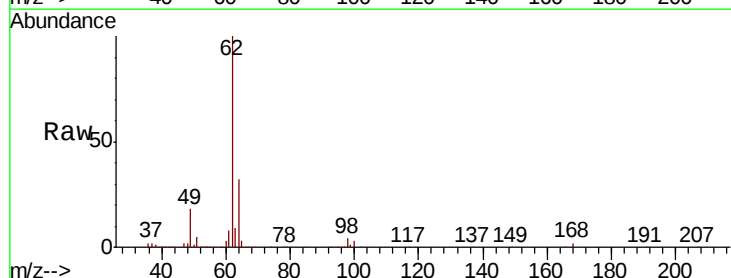


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

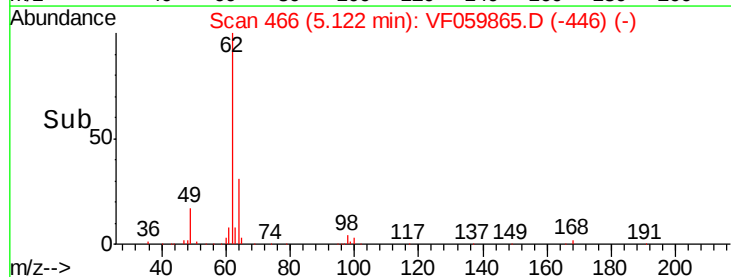
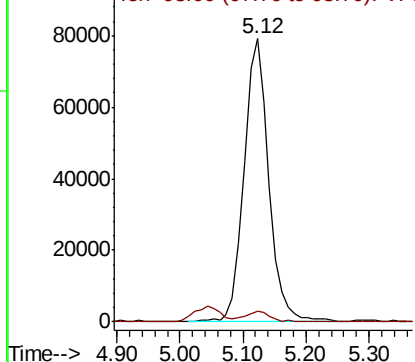


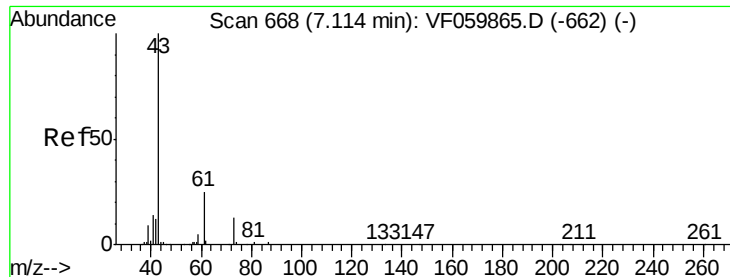
#42
1,2-Dichloroethane
Concen: 56.799 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion:	62	Resp:	215555
Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



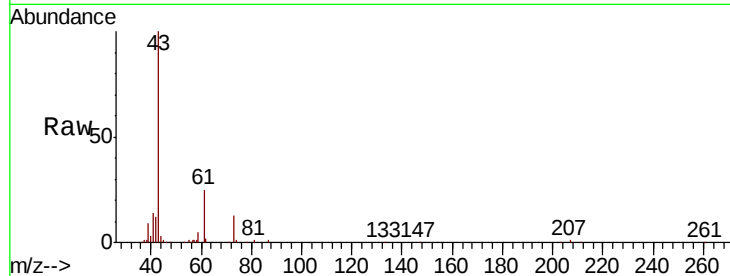


#43

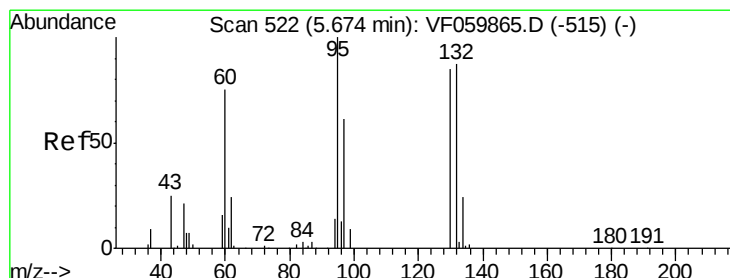
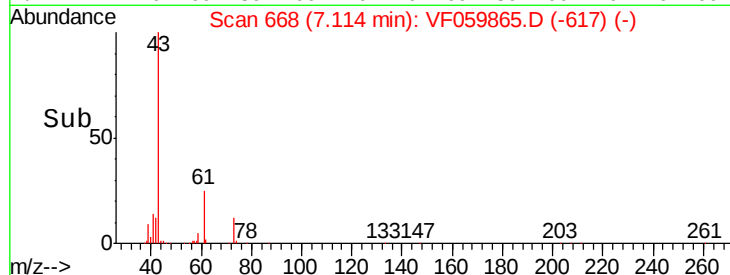
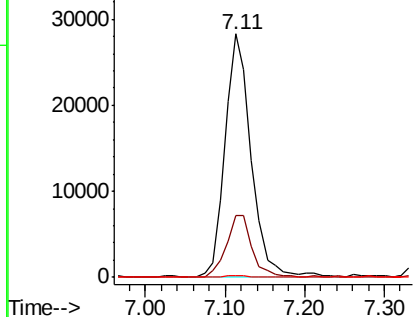
Isopropyl Acetate
 Concen: 42.670 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 65171
 Ion Ratio Lower Upper
 43 100
 61 25.4 20.3 30.5
 87 0.9 0.7 1.1



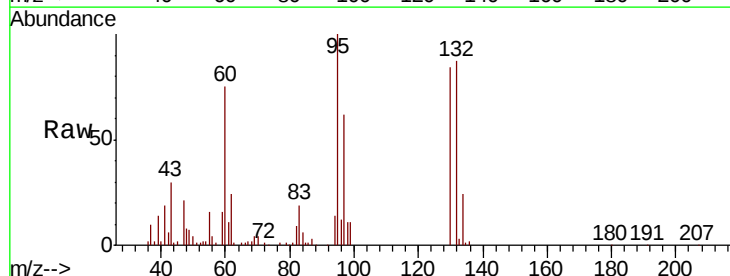
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



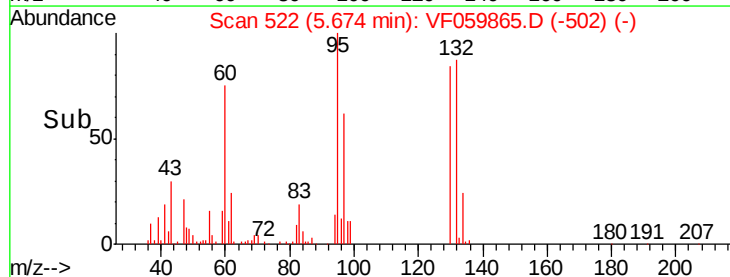
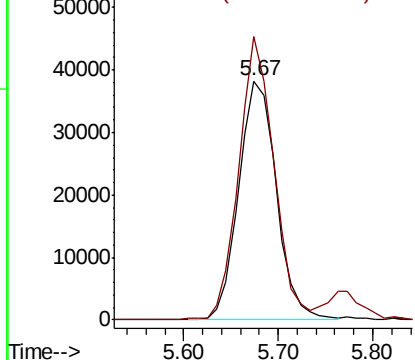
#44

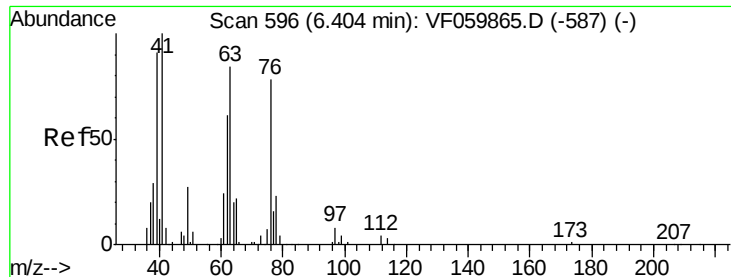
Trichloroethene
 Concen: 51.438 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion: 130 Resp: 105990
 Ion Ratio Lower Upper
 130 100
 95 118.4 0.0 236.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 51.810 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

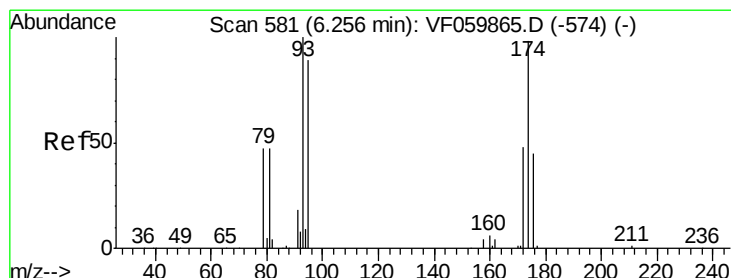
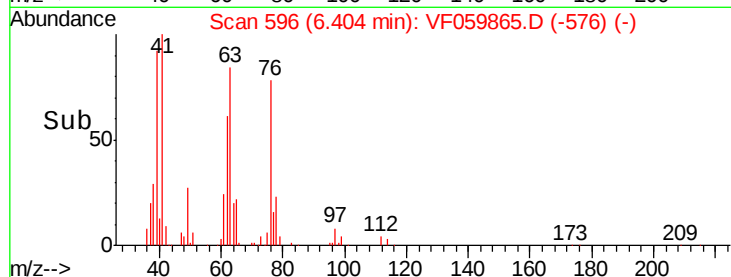
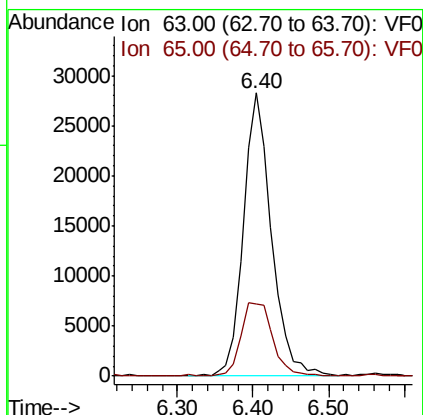
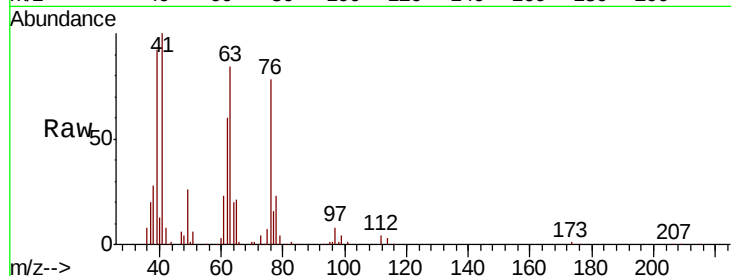
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 72333

Ion Ratio Lower Upper

63 100

65 25.5 20.4 30.6



#46

Dibromomethane

Concen: 52.200 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

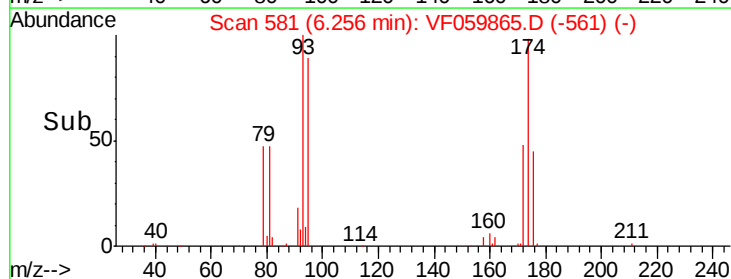
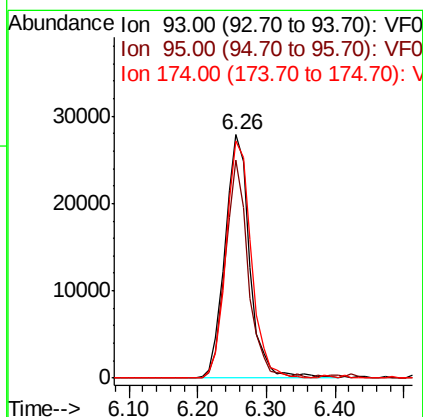
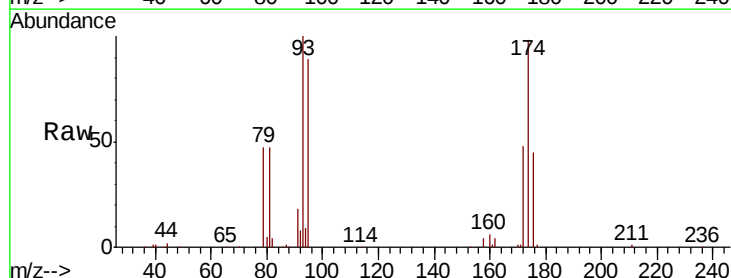
Tgt Ion: 93 Resp: 69398

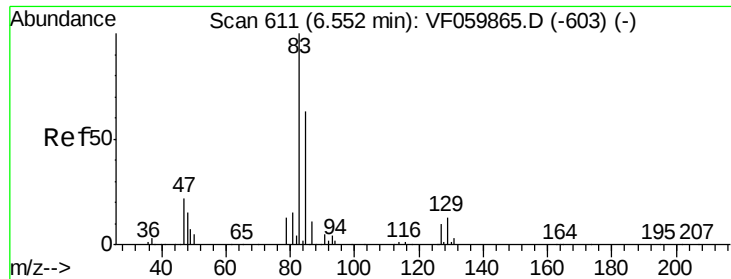
Ion Ratio Lower Upper

93 100

95 89.3 71.4 107.2

174 97.6 78.1 117.1





#47

Bromodichloromethane

Concen: 53.992 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :

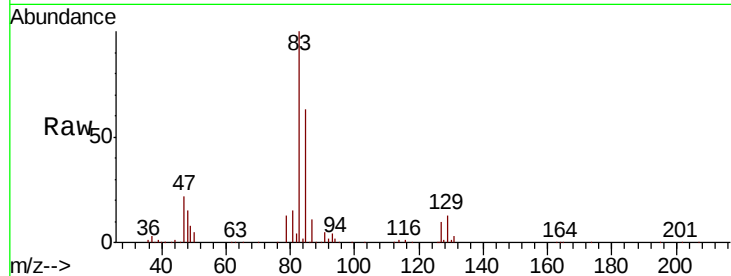
Tot Ion: 83 Resp: 196787

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	10.0	8.0	12.0

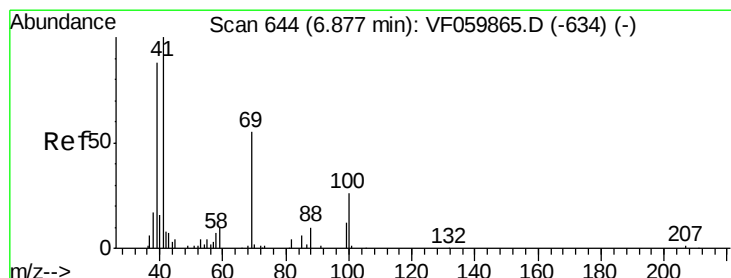
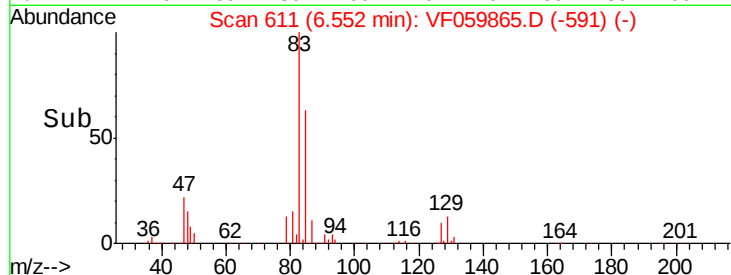
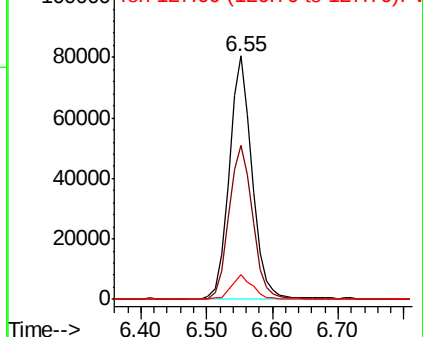
83 100

85 63.4 50.7 76.1

127 10.0 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.959 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

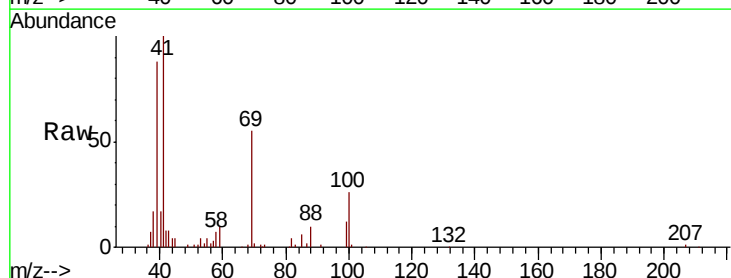
Tgt Ion: 41 Resp: 54296

Ion	Ratio	Lower	Upper
41	100		
69	55.5	44.4	66.6
39	88.3	70.6	106.0

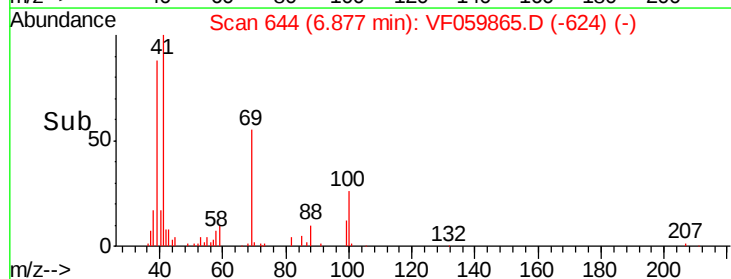
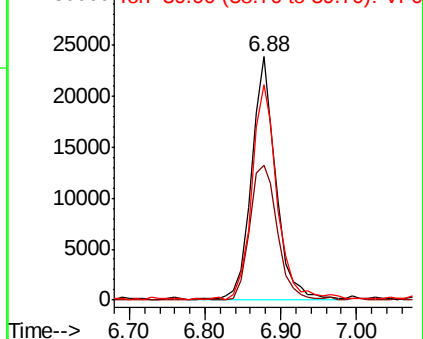
41 100

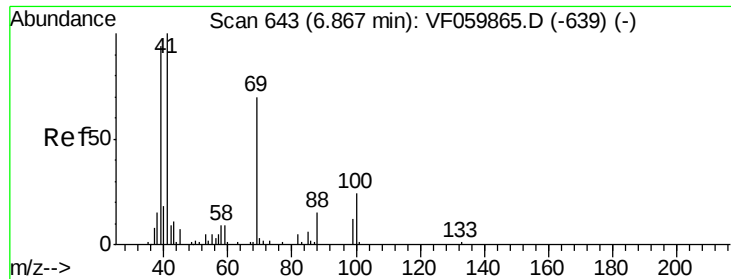
69 55.5 44.4 66.6

39 88.3 70.6 106.0



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

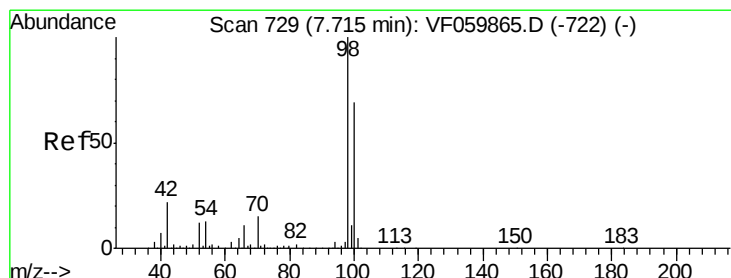
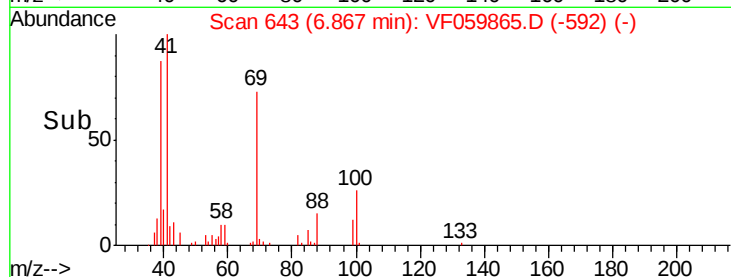
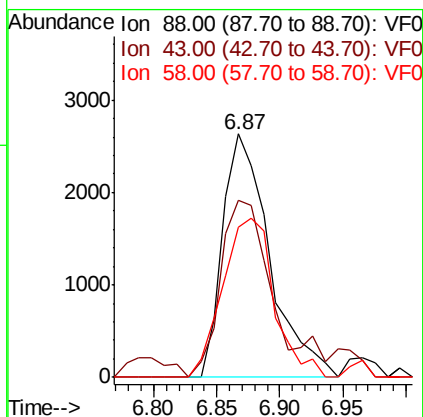
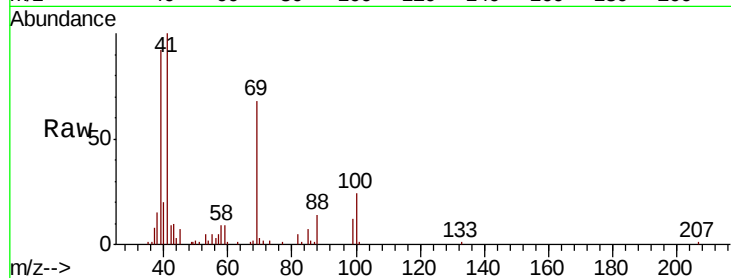




#49
1,4-Dioxane
Concen: 762.622 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

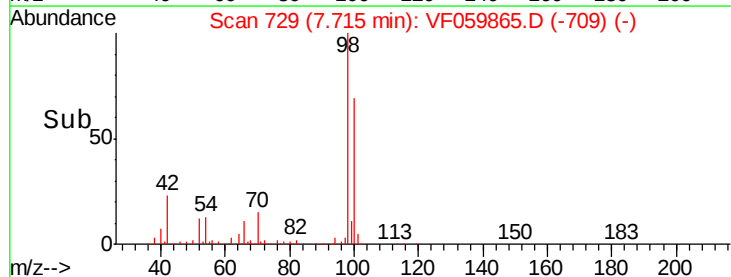
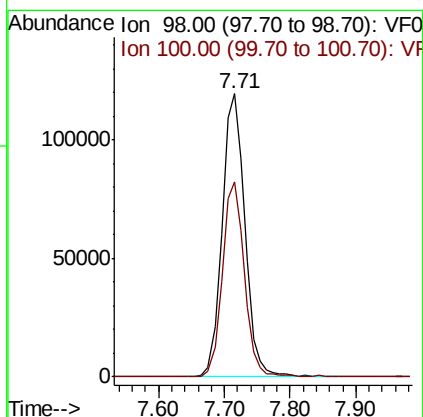
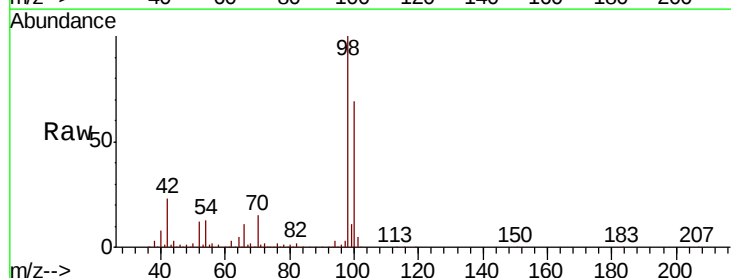
Instrument :
MSVOA_F
ClientSampleId :

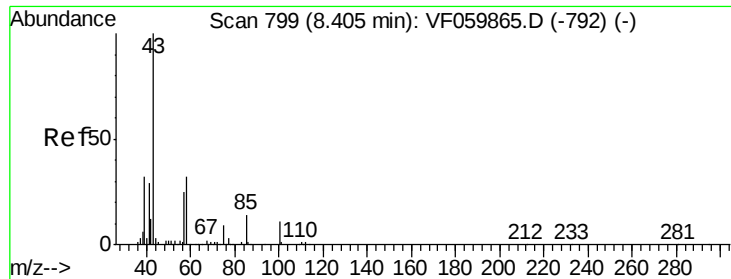
Tot Ion: 88 Resp: 6797
Ion Ratio Lower Upper
88 100
43 72.9 58.3 87.5
58 61.8 49.4 74.2



#50
Toluene-d8
Concen: 46.512 ug/l
RT: 7.71 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 98 Resp: 289428
Ion Ratio Lower Upper
98 100
100 68.8 55.0 82.6





#51

4-Methyl-2-Pentanone

Concen: 286.763 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

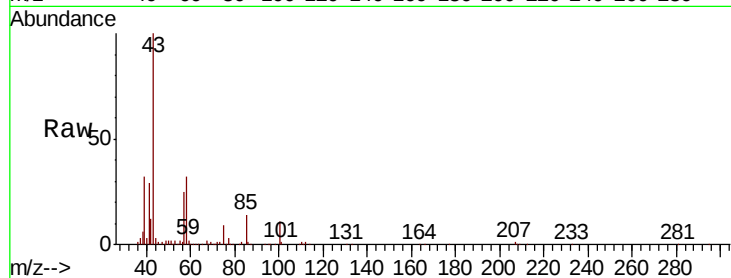
ClientSampleId :

Tot Ion: 43 Resp: 348305

Ion Ratio Lower Upper

43 100

58 31.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

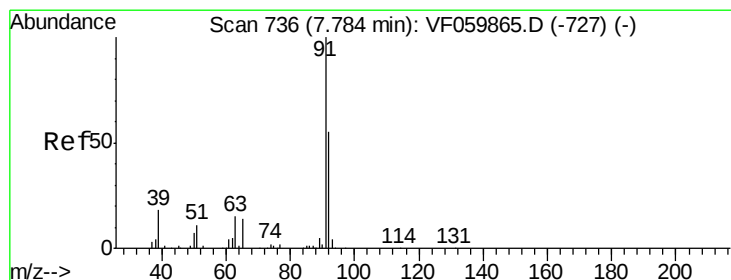
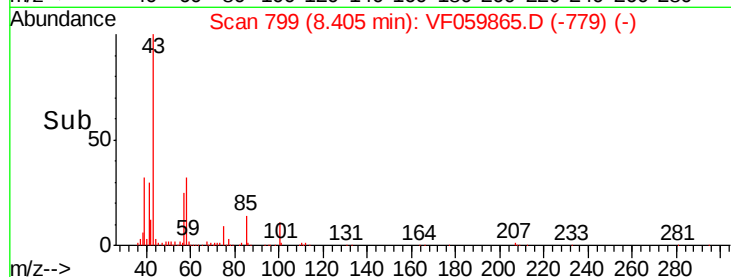
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.723 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059865.D

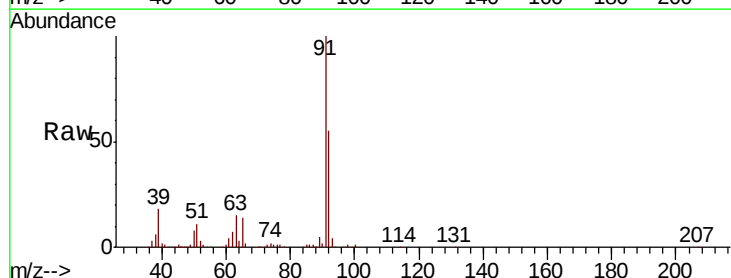
Acq: 4 Aug 2018 4:44

Tgt Ion: 92 Resp: 196115

Ion Ratio Lower Upper

92 100

91 182.1 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

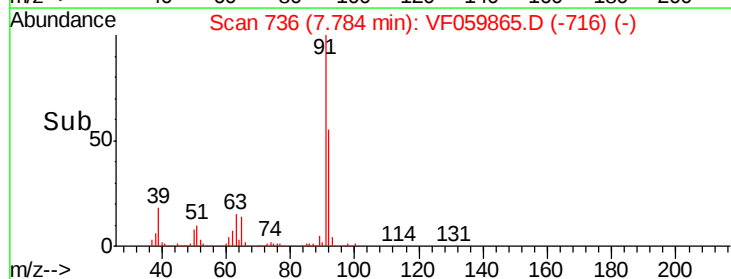
150000

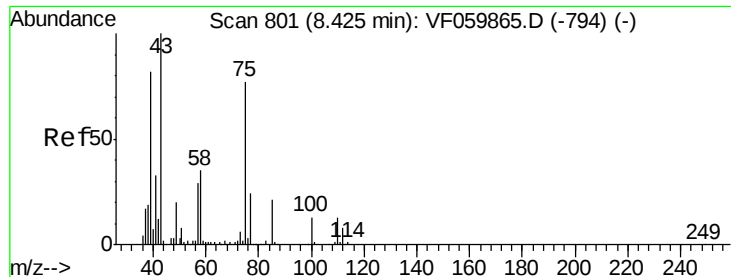
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.034 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

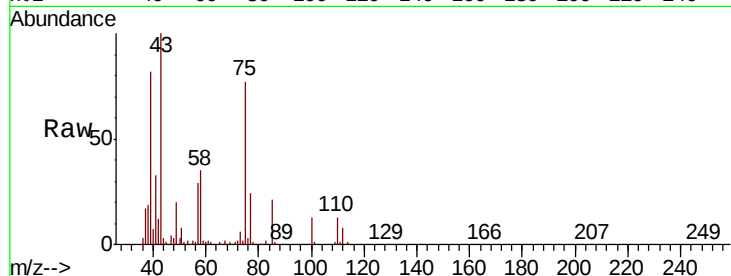
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 145698

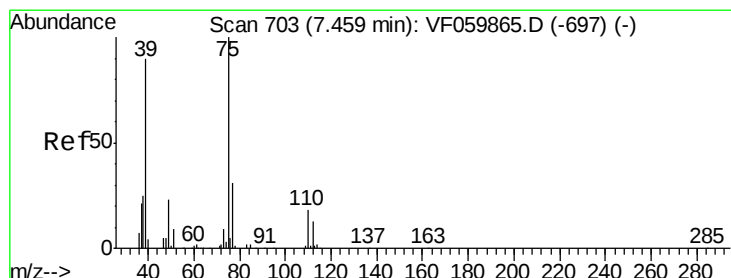
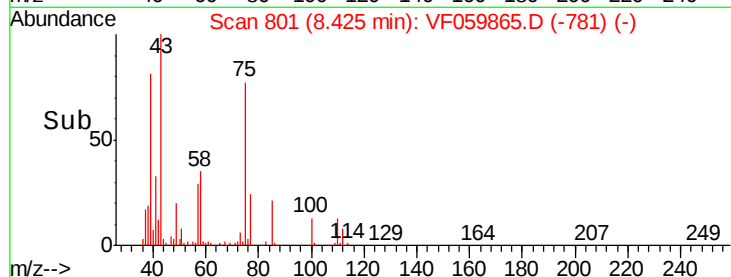
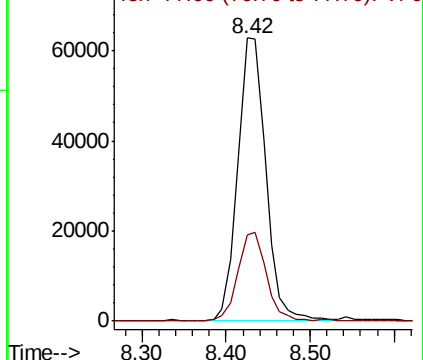
Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 52.350 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

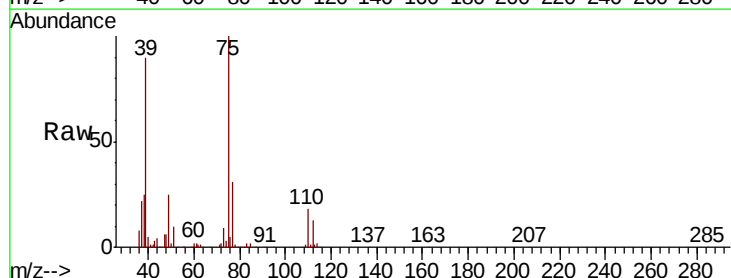
Tgt Ion: 75 Resp: 158792

Ion Ratio Lower Upper

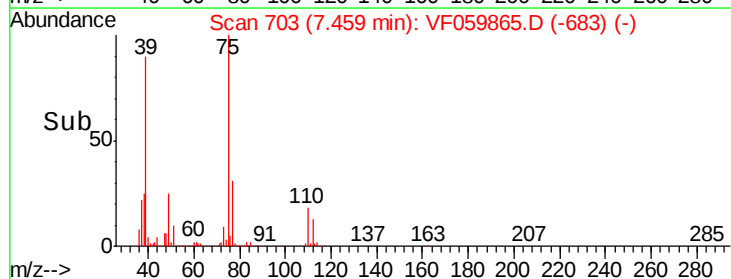
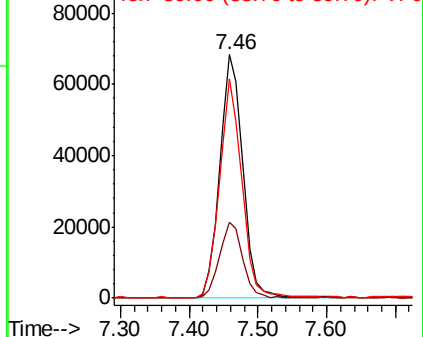
75 100

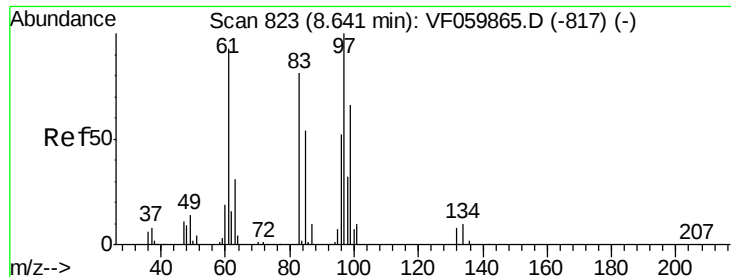
77 30.9 24.7 37.1

39 90.0 72.0 108.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 48.142 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 68024

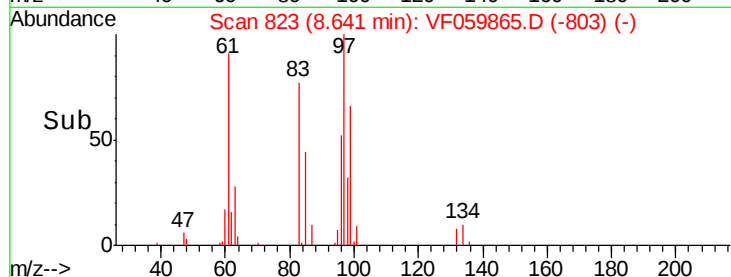
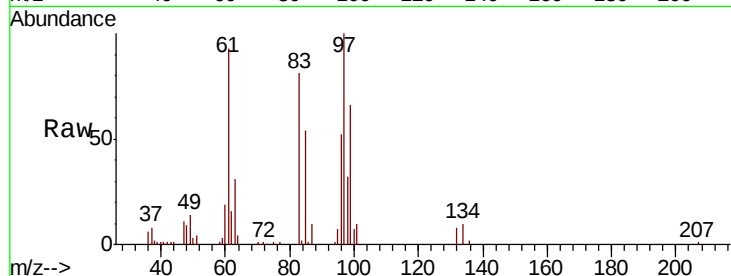
Ion	Ratio	Lower	Upper
97	100		
83	80.5	64.4	96.6
85	53.9	43.1	64.7
99	65.9	52.7	79.1

97 100

83 80.5 64.4 96.6

85 53.9 43.1 64.7

99 65.9 52.7 79.1

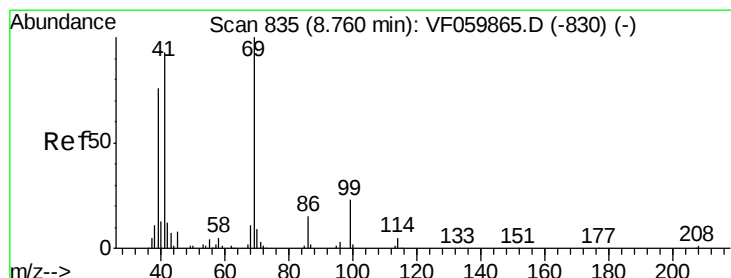
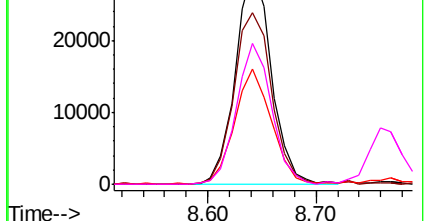


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.749 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

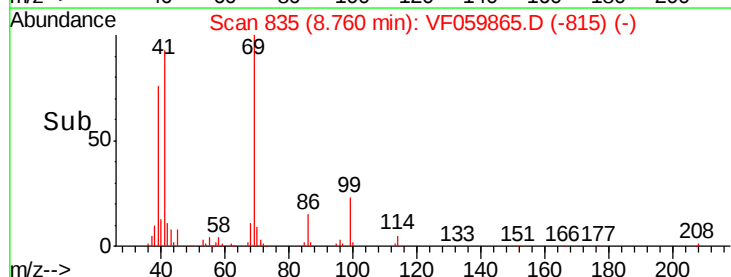
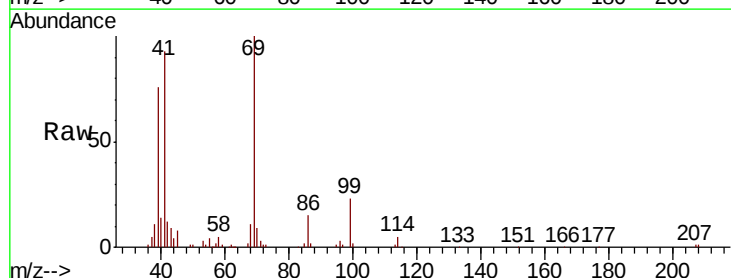
Tgt Ion: 69 Resp: 72724

Ion	Ratio	Lower	Upper
69	100		
41	93.4	74.7	112.1
39	76.4	61.1	91.7

69 100

41 93.4 74.7 112.1

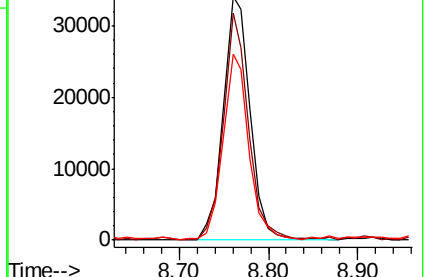
39 76.4 61.1 91.7

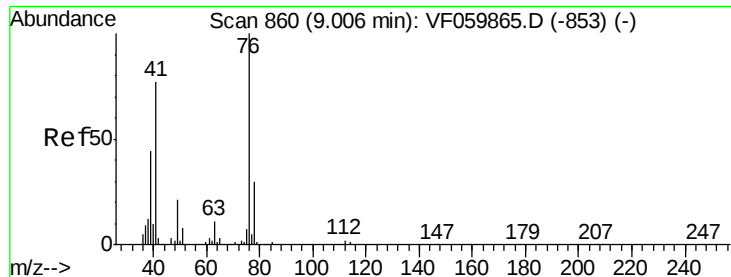


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

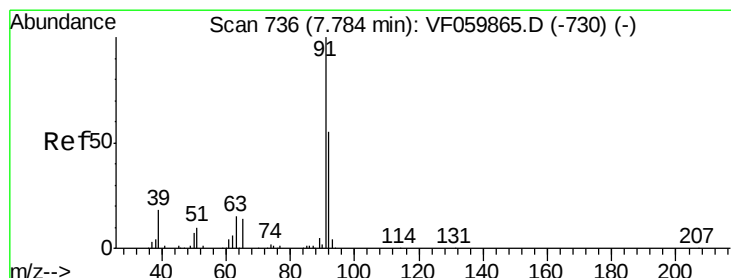
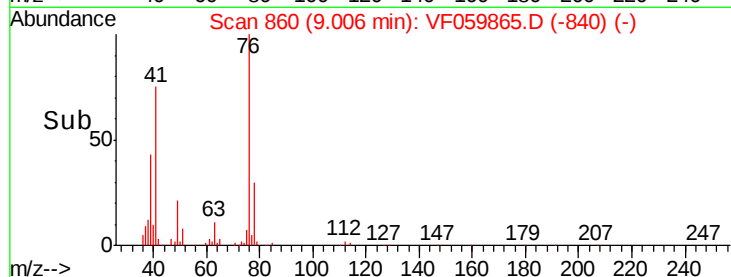
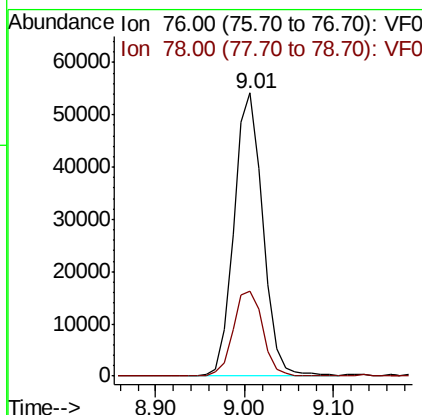
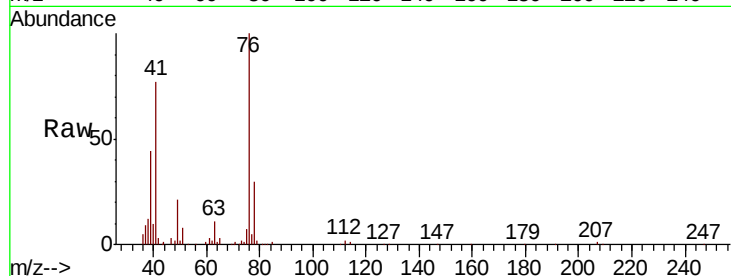




#57
 1,3-Dichloropropane
 Concen: 49.983 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

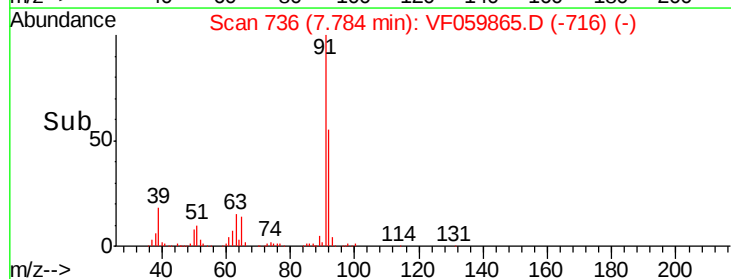
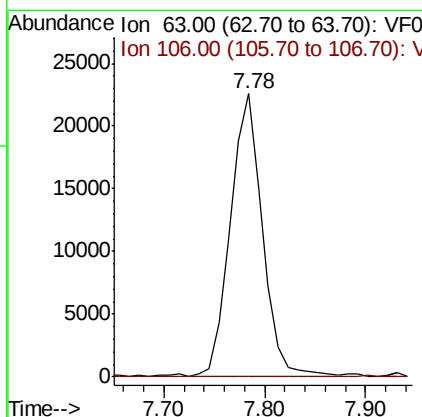
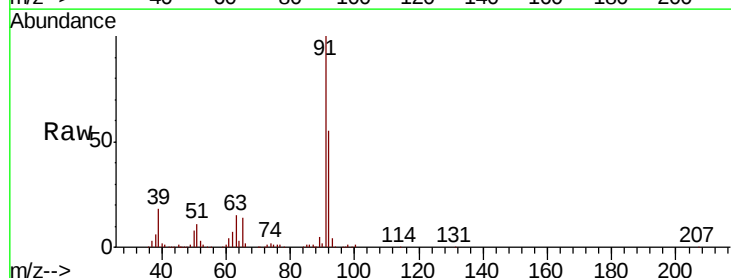
Instrument :
 MSVOA_F
 ClientSampleId :

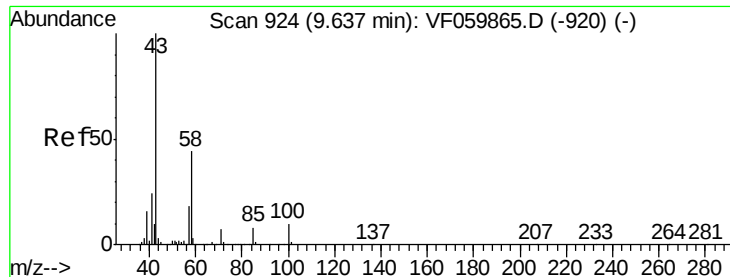
Tot Ion: 76 Resp: 122478
 Ion Ratio Lower Upper
 76 100
 78 30.2 24.2 36.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.400 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion: 63 Resp: 49876
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

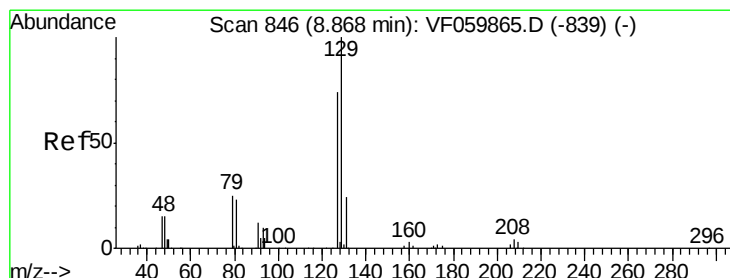
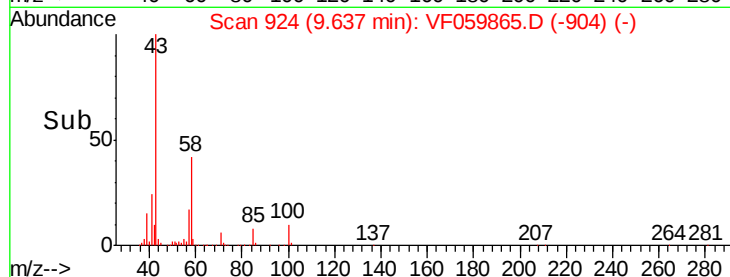
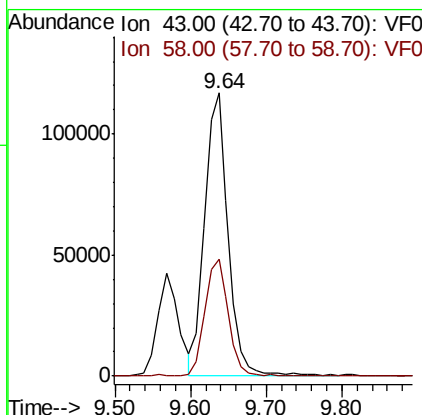
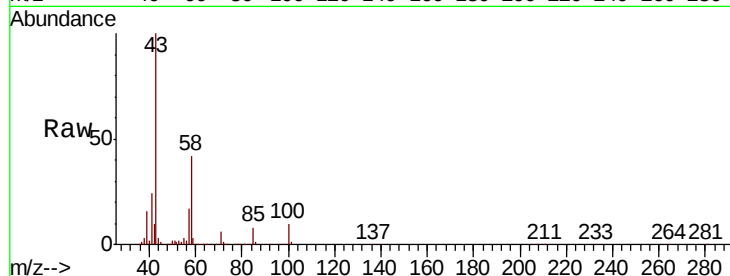




#59
2-Hexanone
Concen: 261.786 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

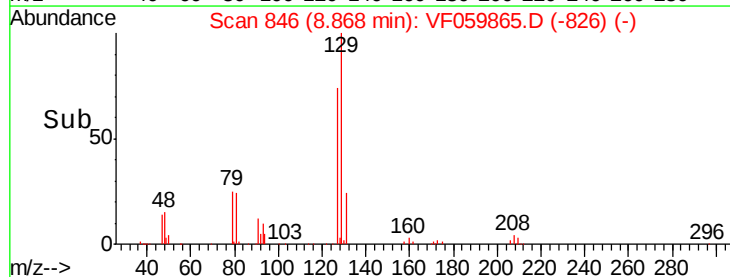
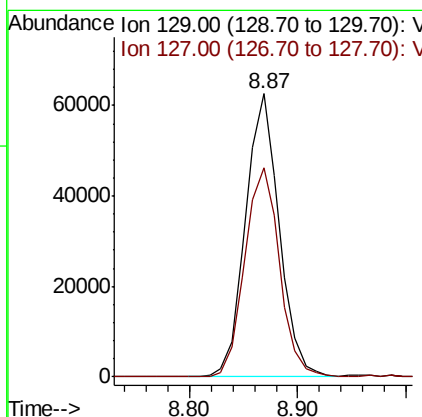
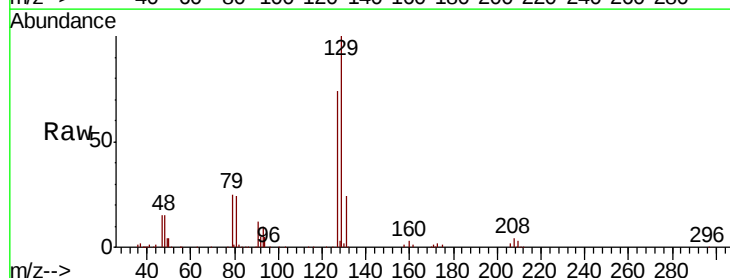
Instrument :
MSVOA_F
ClientSampleId :

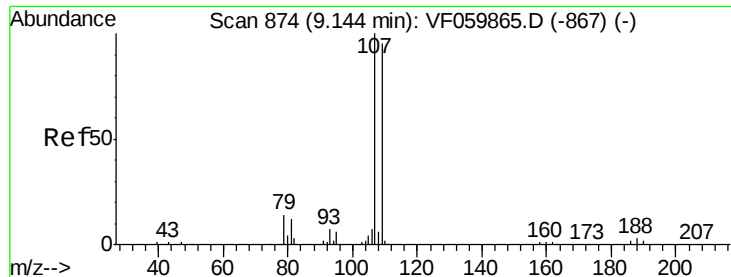
Tot Ion: 43 Resp: 251146
Ion Ratio Lower Upper
43 100
58 41.5 20.8 62.2



#60
Dibromochloromethane
Concen: 53.543 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 129 Resp: 136068
Ion Ratio Lower Upper
129 100
127 73.8 36.9 110.7





#61

1,2-Dibromoethane

Concen: 51.520 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

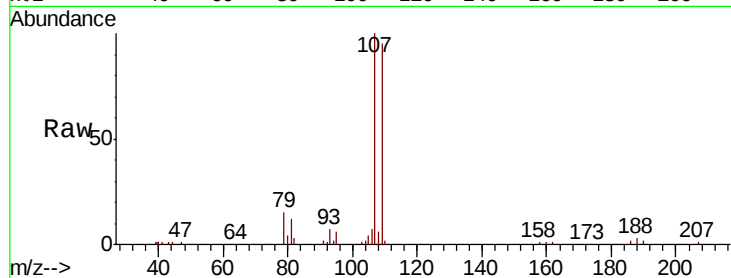
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 86411

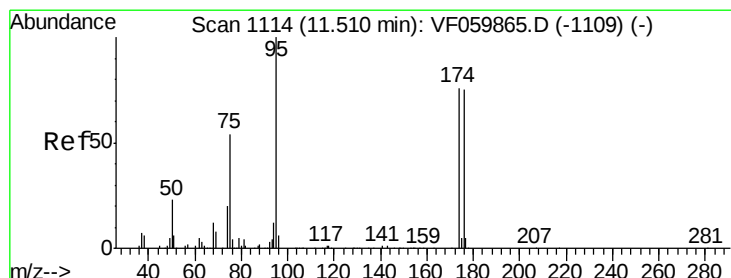
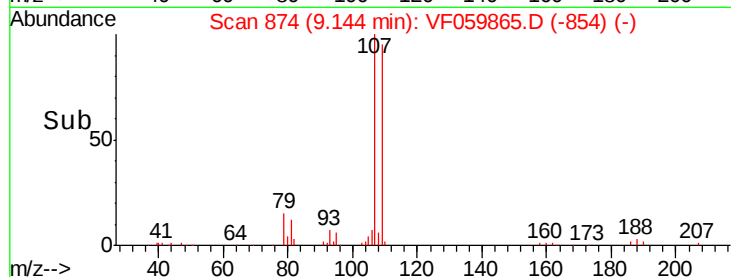
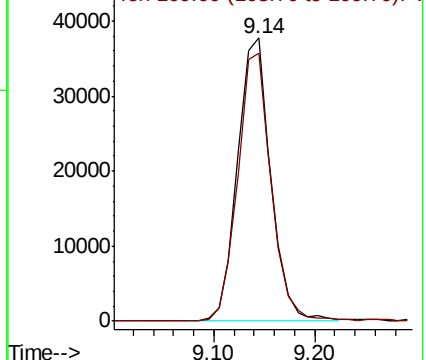
Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.423 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

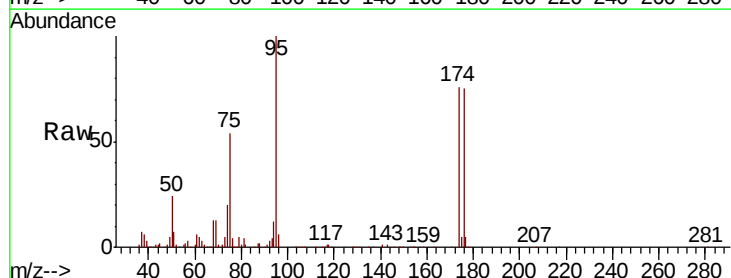
Tgt Ion: 95 Resp: 163283

Ion Ratio Lower Upper

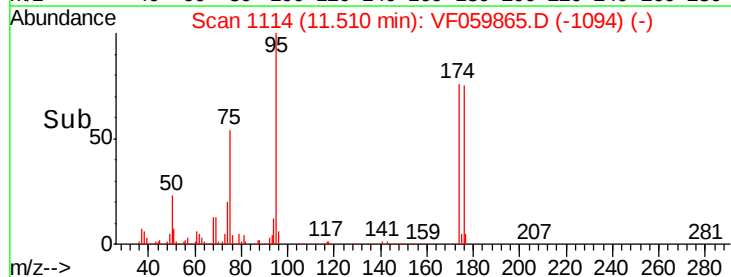
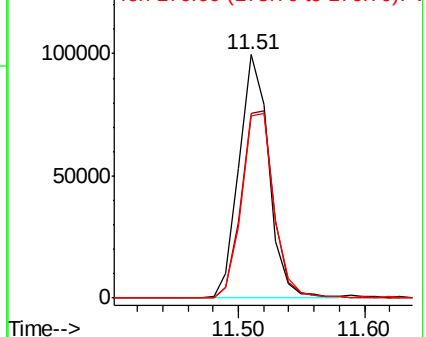
95 100

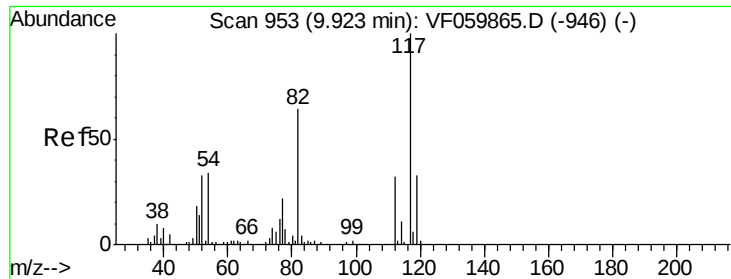
174 75.8 0.0 151.6

176 74.9 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

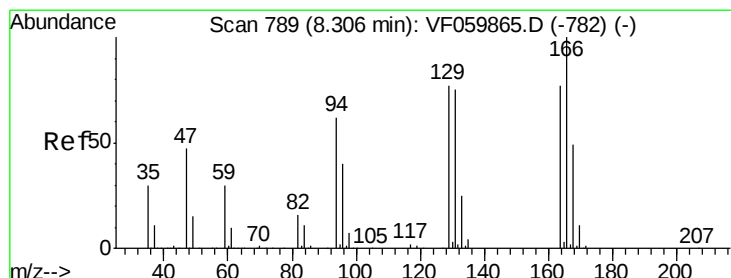
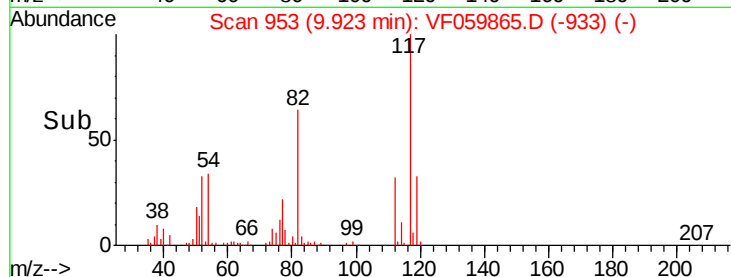
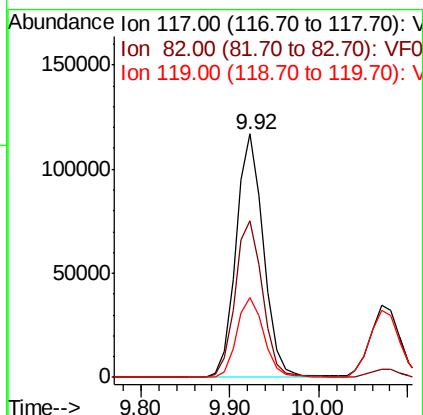
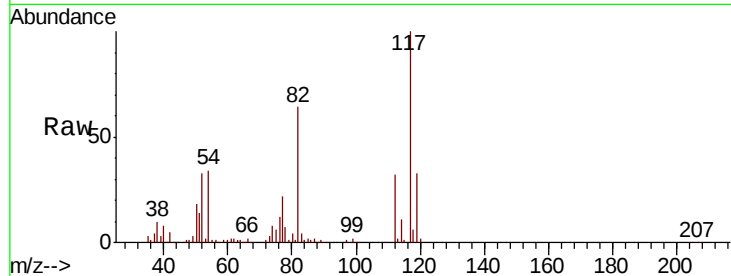




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

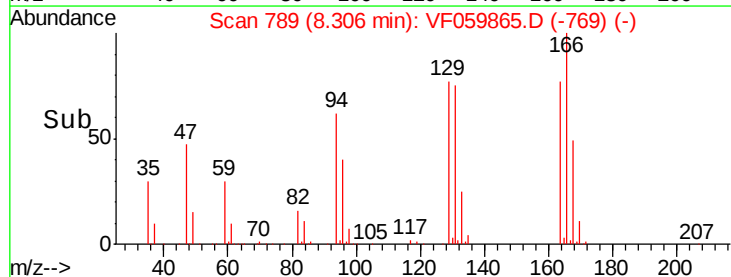
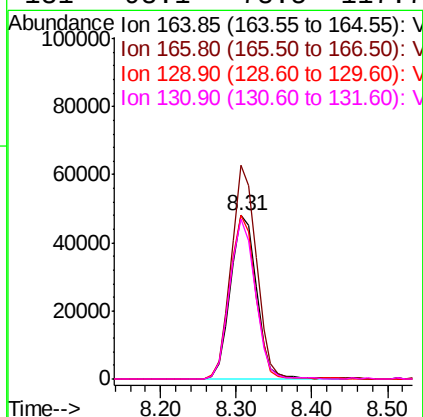
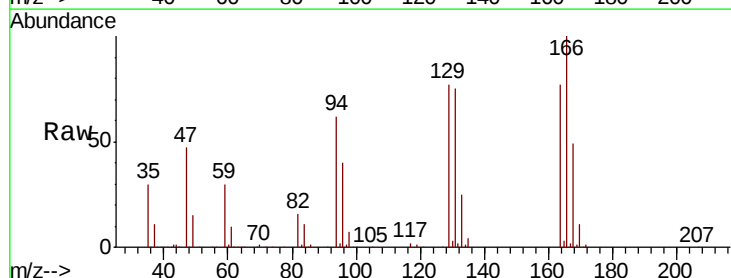
Instrument :
MSVOA_F
ClientSampleId :

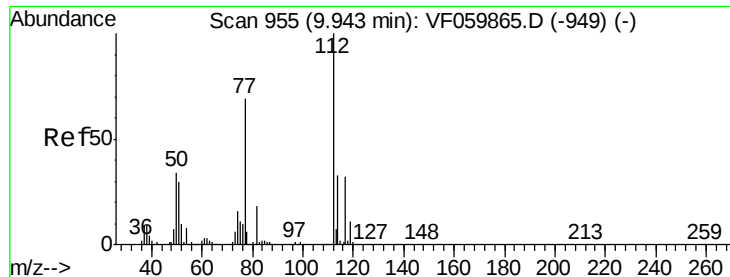
Tot Ion:117 Resp: 251663
Ion Ratio Lower Upper
117 100
82 64.1 51.3 76.9
119 33.0 26.4 39.6



#64
Tetrachloroethene
Concen: 55.557 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion:164 Resp: 114021
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 100.4 80.3 120.5
131 98.1 78.5 117.7

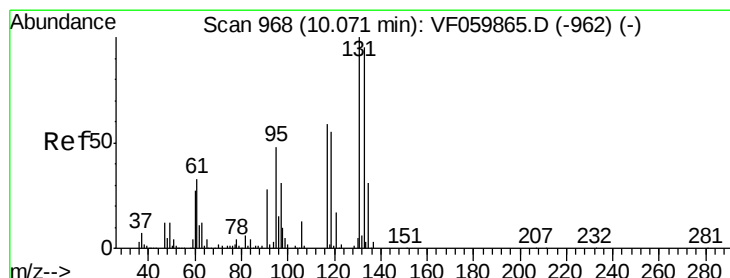
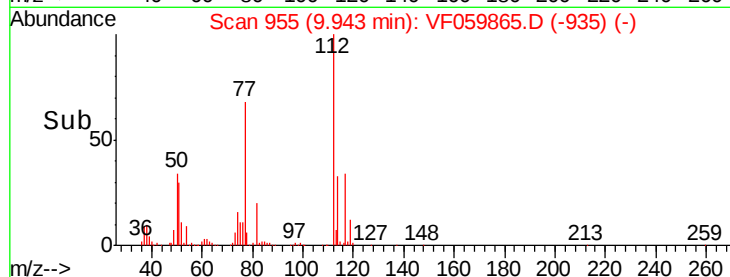
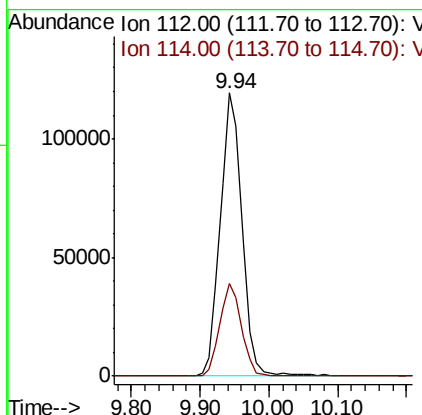
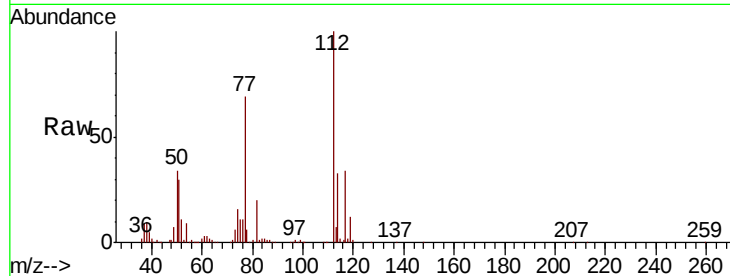




#65
Chlorobenzene
Concen: 50.700 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

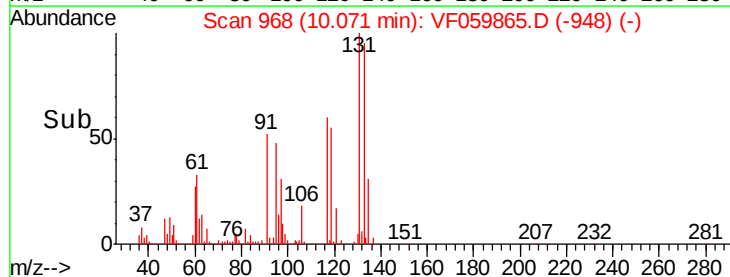
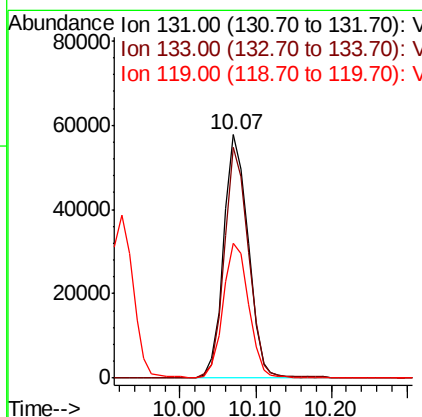
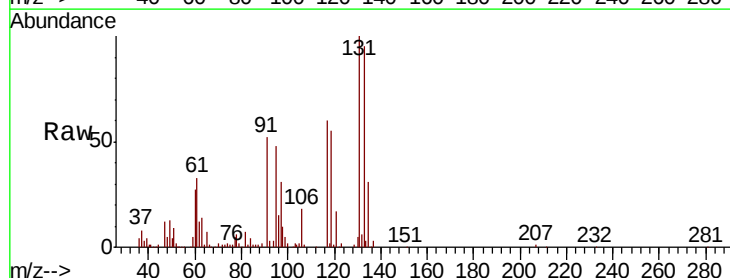
Instrument :
MSVOA_F
ClientSampleId :

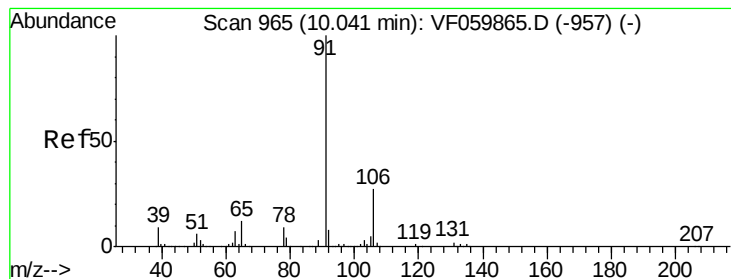
Tot Ion:112 Resp: 261528
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.906 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion:131 Resp: 130458
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 55.4 27.7 83.1





#67

Ethyl Benzene

Concen: 53.283 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

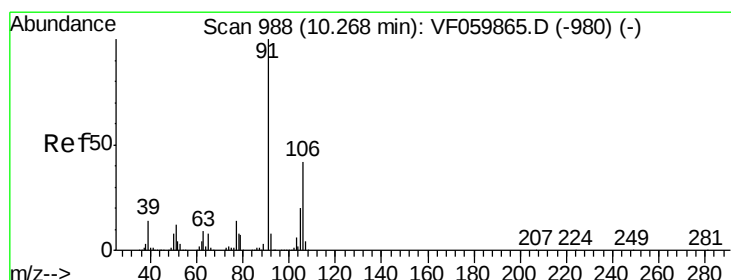
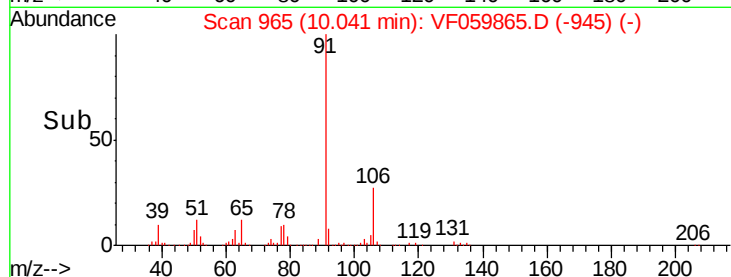
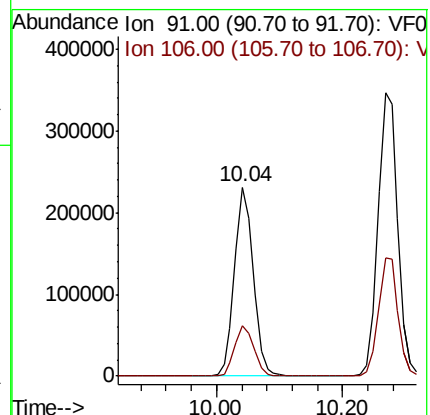
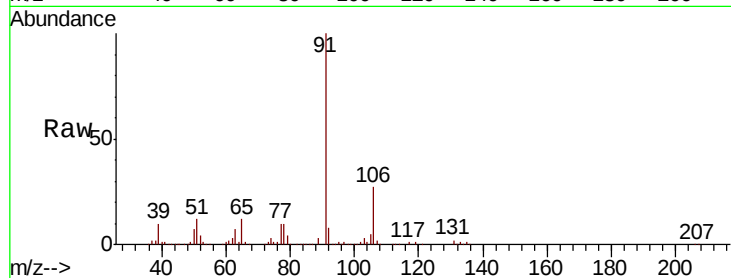
ClientSampleId :

Tot Ion: 91 Resp: 476976

Ion Ratio Lower Upper

91 100

106 26.9 21.5 32.3



#68

m/p-Xylenes

Concen: 101.150 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059865.D

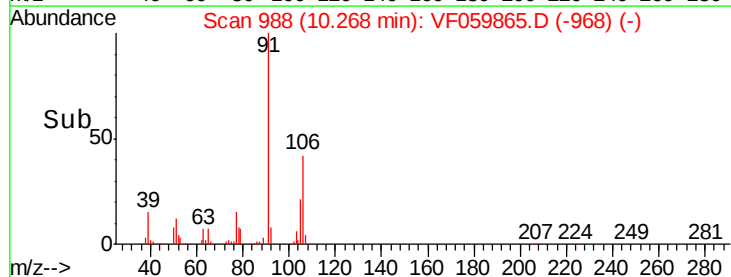
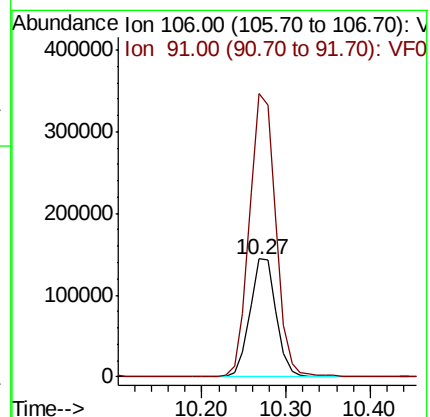
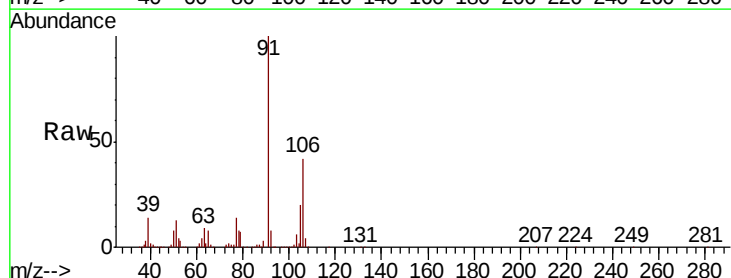
Acq: 4 Aug 2018 4:44

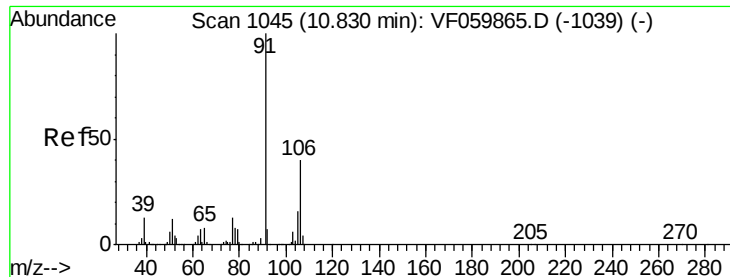
Tgt Ion:106 Resp: 317368

Ion Ratio Lower Upper

106 100

91 240.1 192.1 288.1

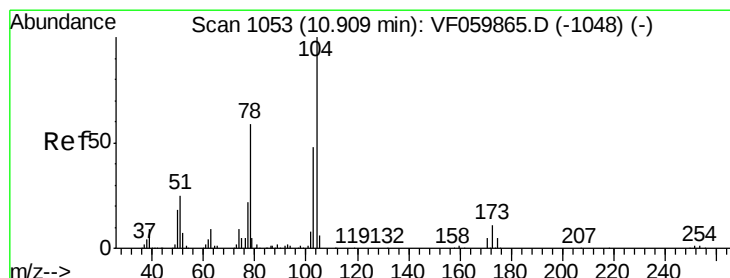
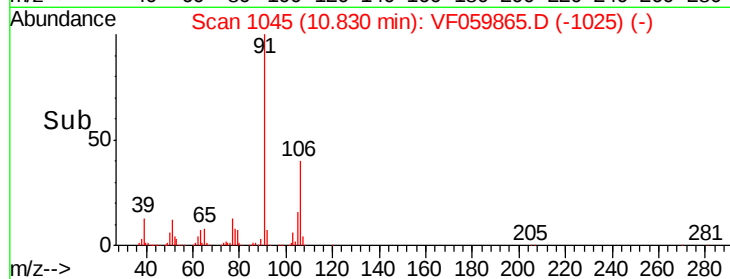
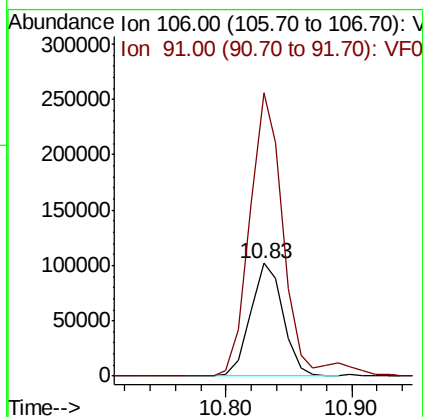
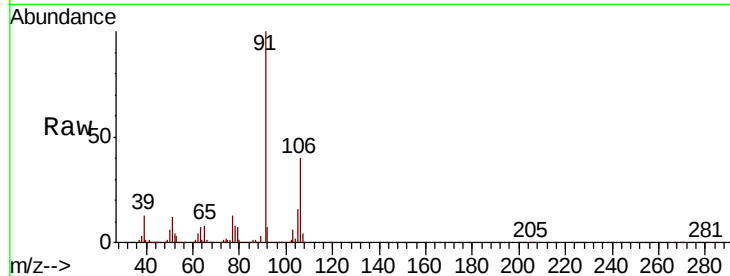




#69
o-Xylene
Concen: 55.498 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

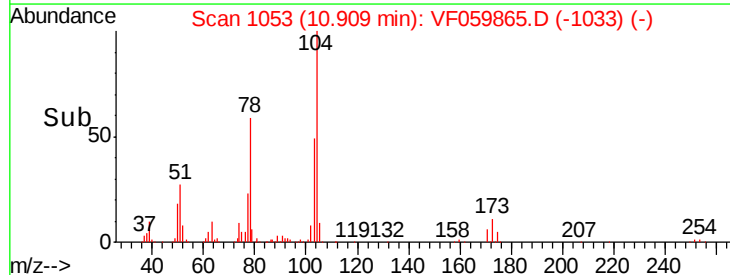
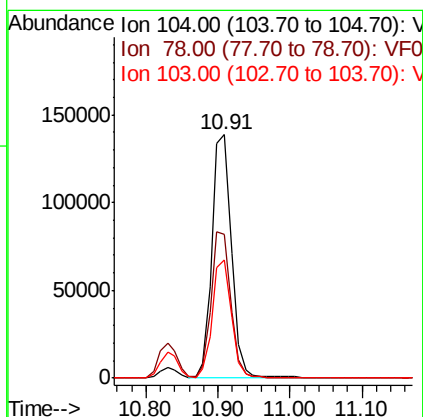
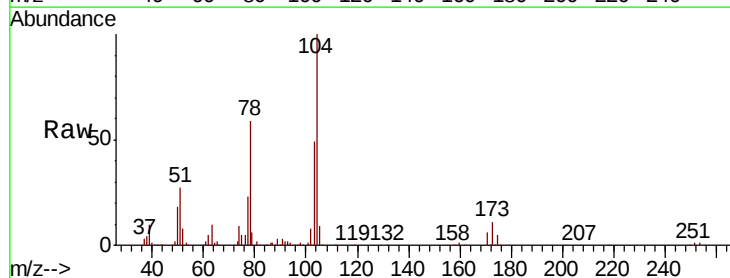
Instrument :
MSVOA_F
ClientSampled :

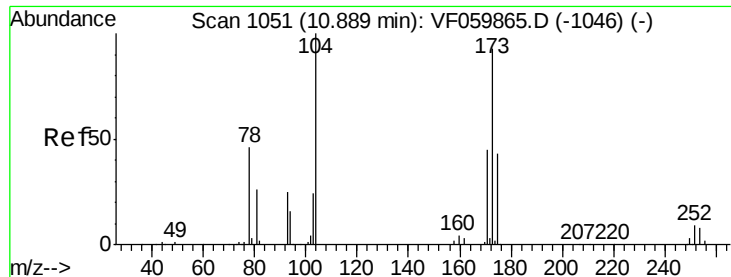
Tot Ion:106 Resp: 184177
Ion Ratio Lower Upper
106 100
91 250.8 125.4 376.2



#70
Styrene
Concen: 51.914 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion:104 Resp: 258043
Ion Ratio Lower Upper
104 100
78 59.1 47.3 70.9
103 48.7 39.0 58.4





#71

Bromoform

Concen: 51.862 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampled :

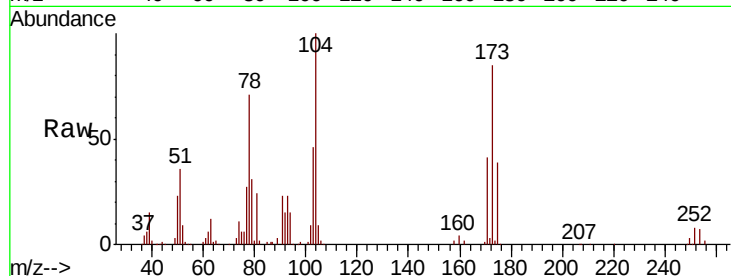
Tot Ion:173 Resp: 80599

Ion Ratio Lower Upper

173 100

175 46.8 23.4 70.2

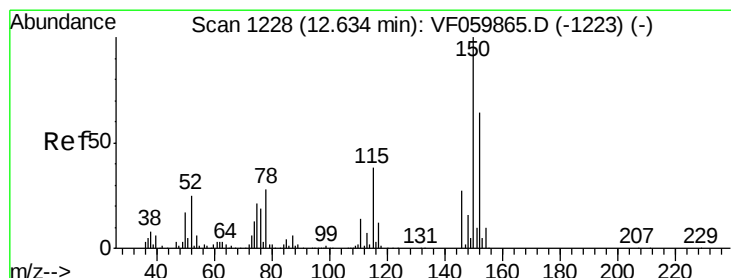
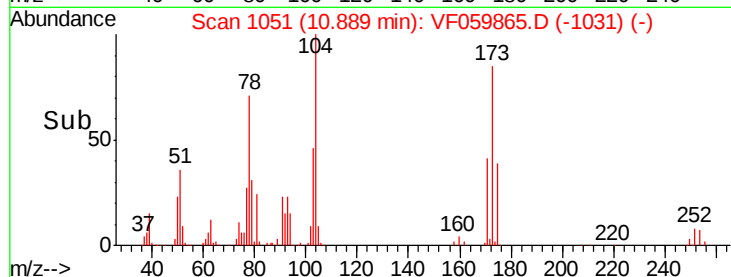
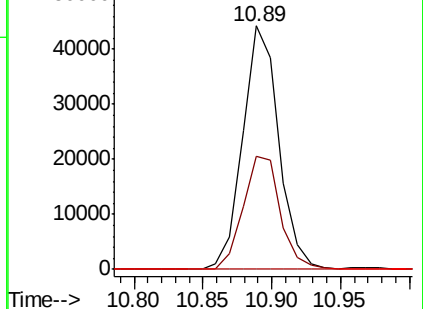
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

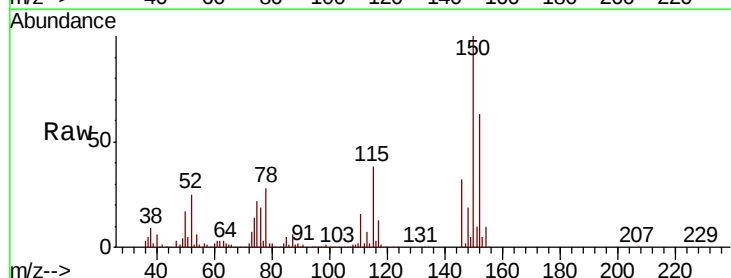
Tgt Ion:152 Resp: 174592

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.4

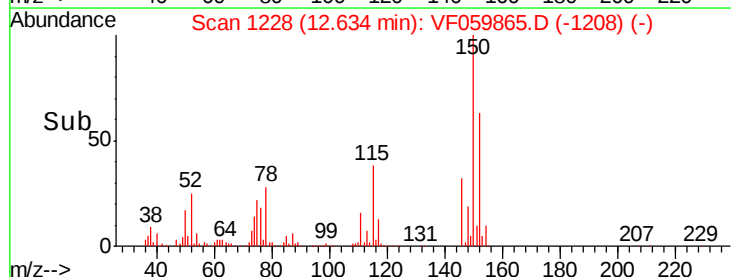
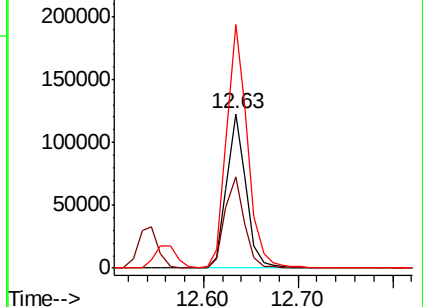
150 157.8 0.0 315.6

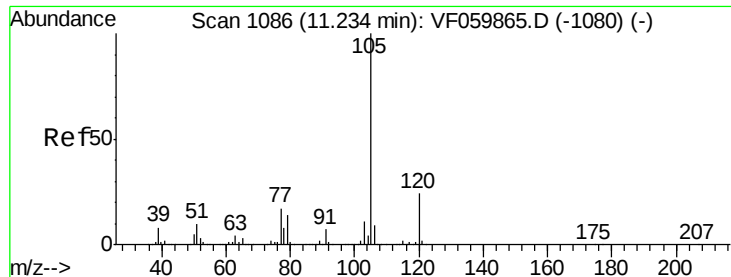


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.696 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

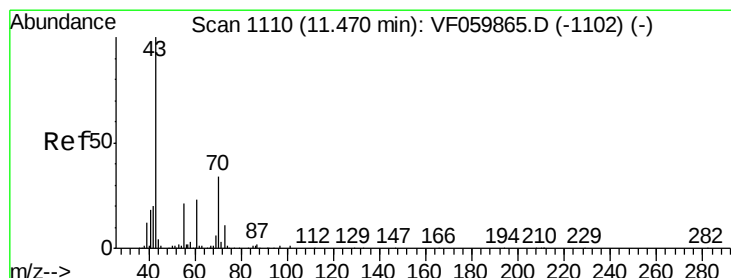
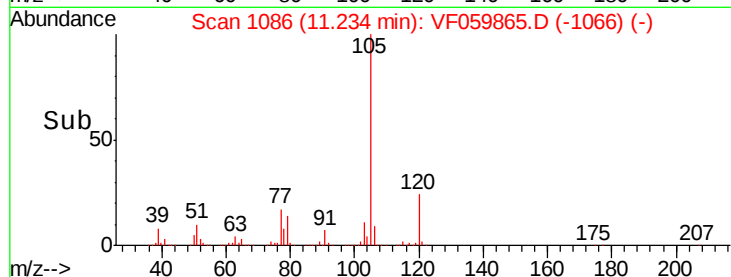
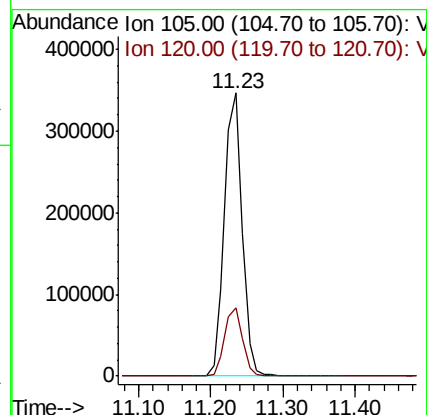
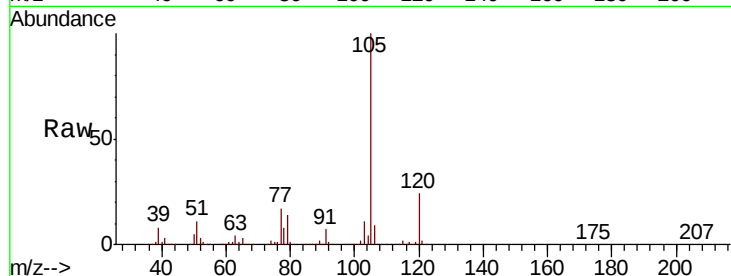
ClientSampleId :

Tot Ion:105 Resp: 592634

Ion Ratio Lower Upper

105 100

120 24.2 12.1 36.3



#74

N-ethyl acetate

Concen: 43.802 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion: 43 Resp: 126308

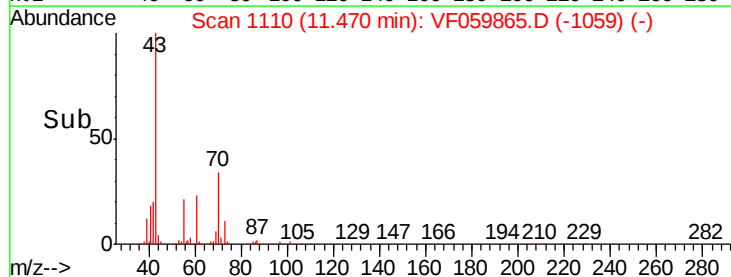
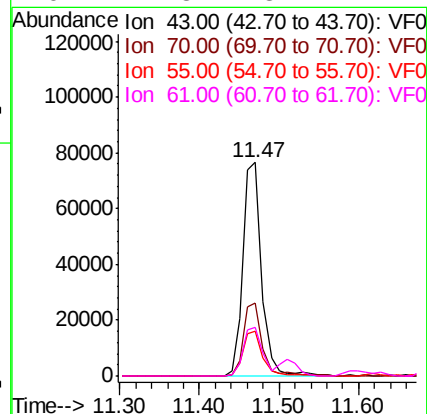
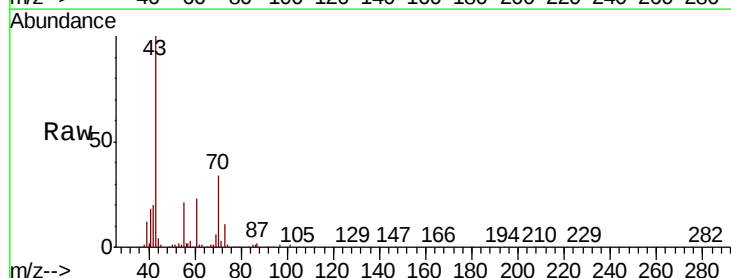
Ion Ratio Lower Upper

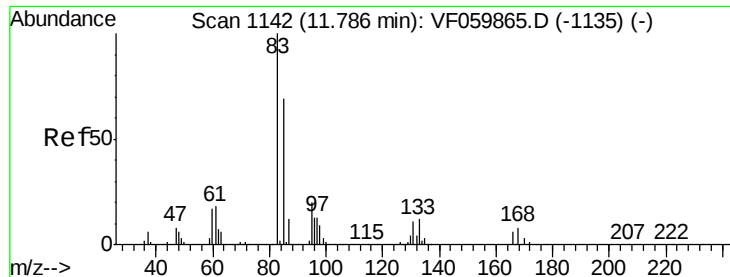
43 100

70 34.4 27.5 41.3

55 20.8 16.6 25.0

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.370 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

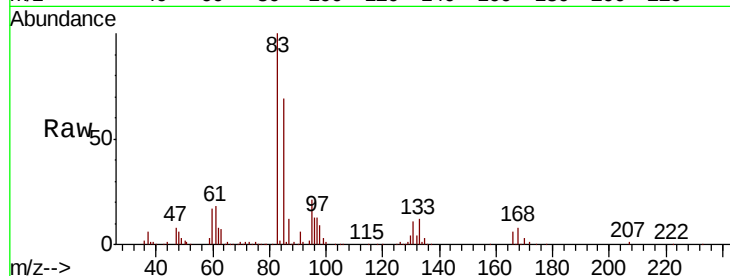
Tot Ion: 83 Resp: 100326

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

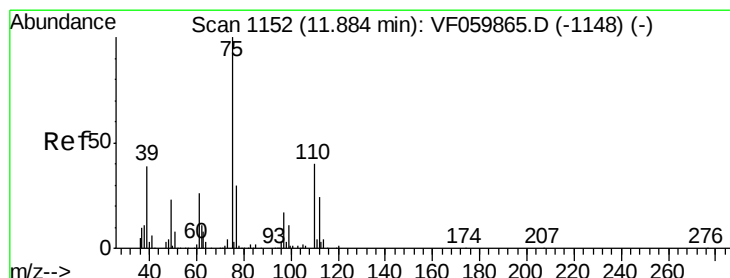
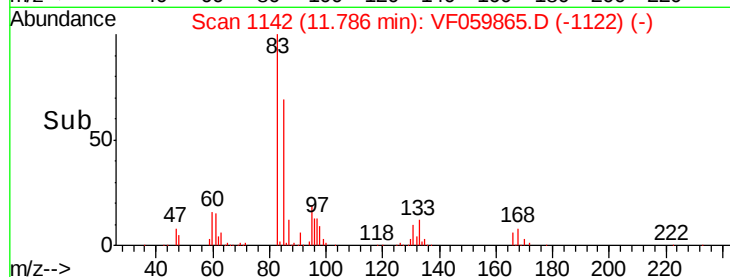
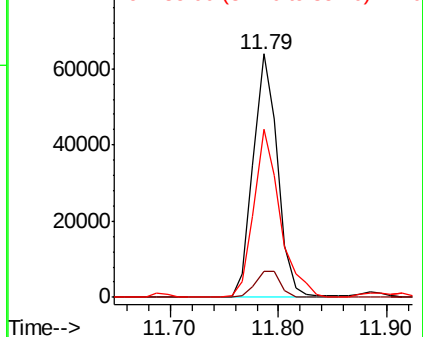
85 69.0 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.496 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059865.D

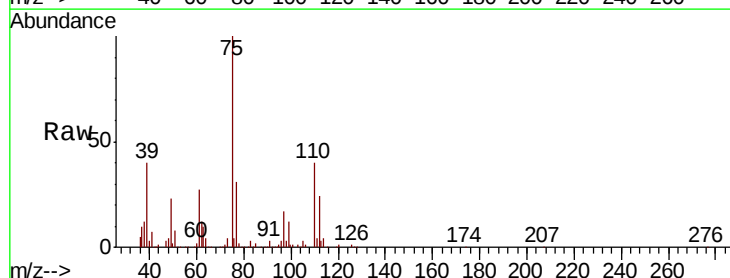
Acq: 4 Aug 2018 4:44

Tgt Ion: 75 Resp: 86243

Ion Ratio Lower Upper

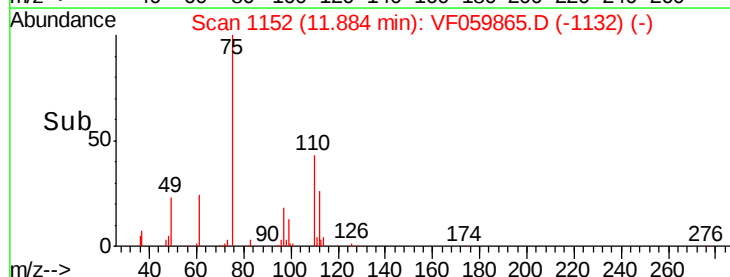
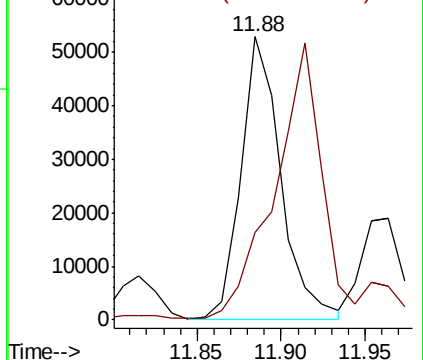
75 100

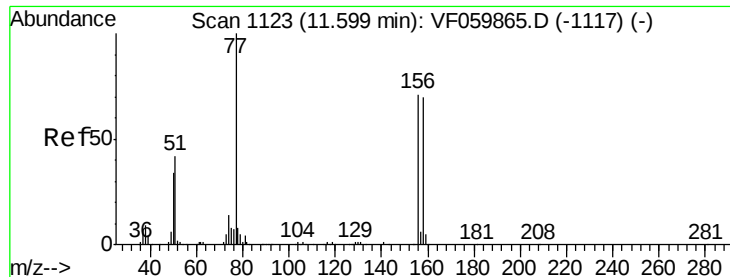
77 30.8 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.305 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

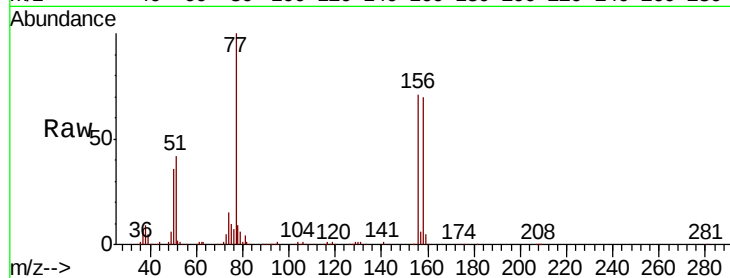
Tot Ion:156 Resp: 146964

Ion Ratio Lower Upper

156 100

77 140.4 70.2 210.6

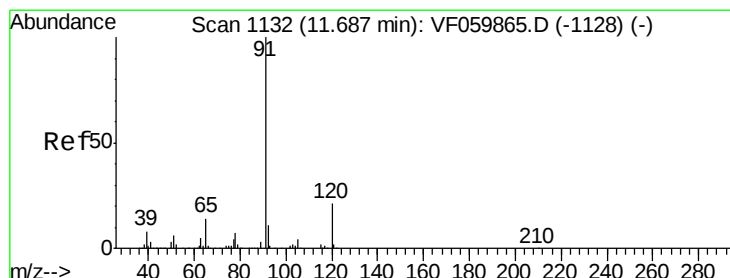
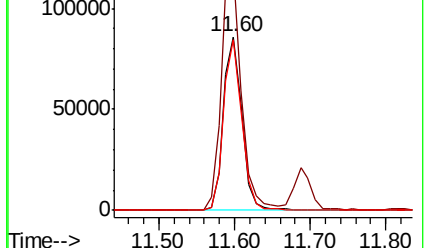
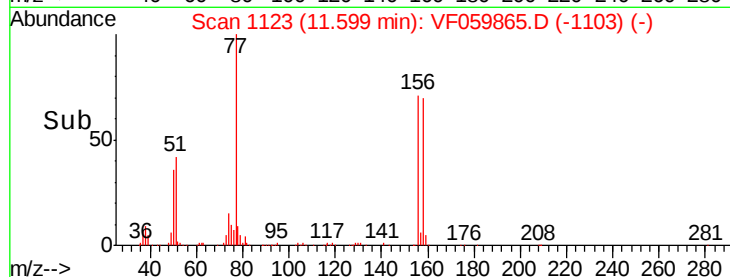
158 98.4 49.2 147.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 49.652 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059865.D

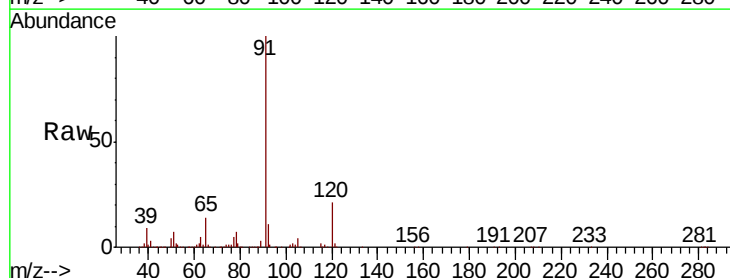
Acq: 4 Aug 2018 4:44

Tgt Ion: 91 Resp: 676846

Ion Ratio Lower Upper

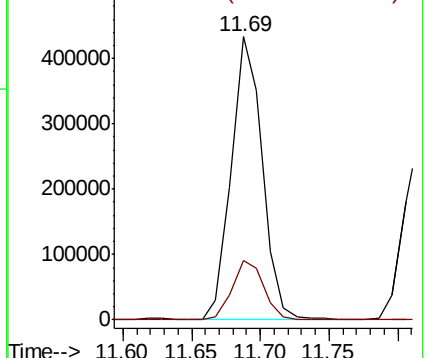
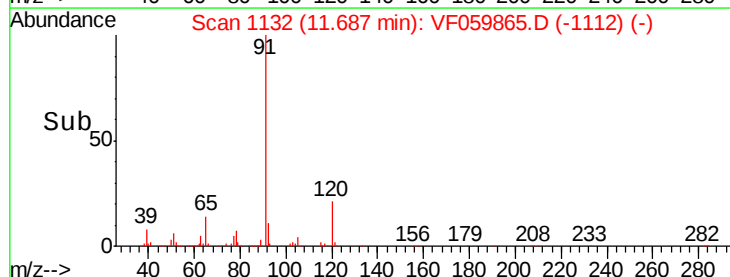
91 100

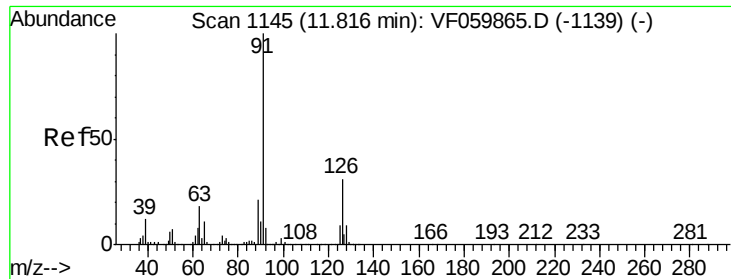
120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

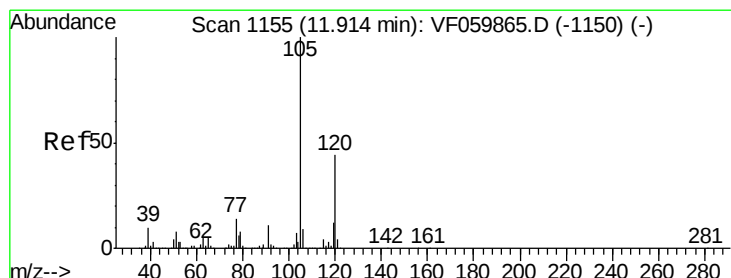
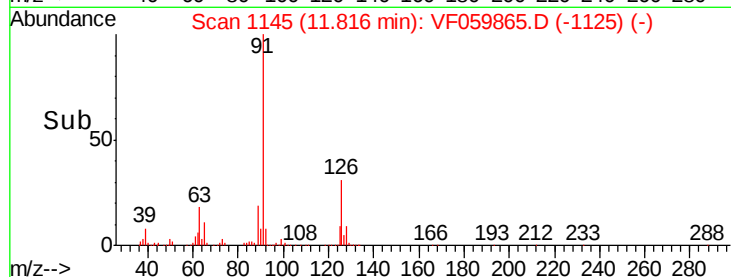
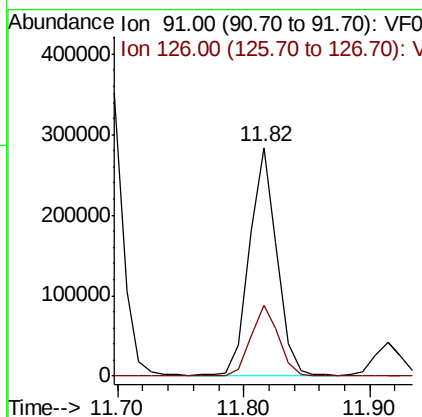
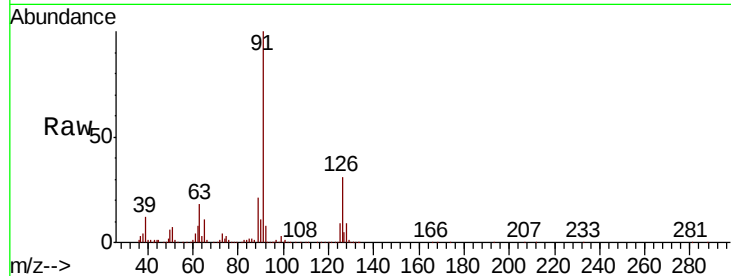




#79
 2-Chlorotoluene
 Concen: 49.953 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

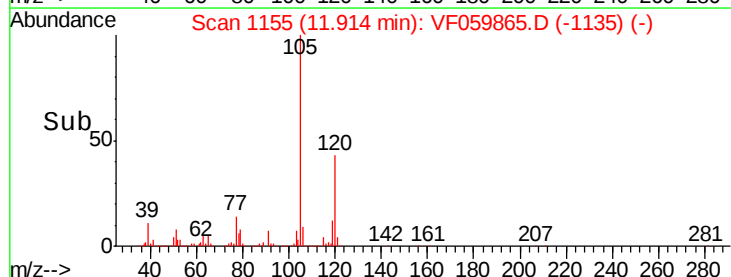
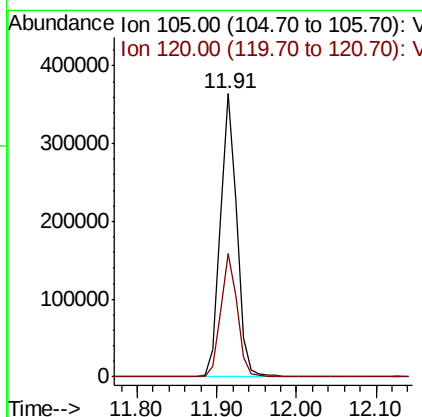
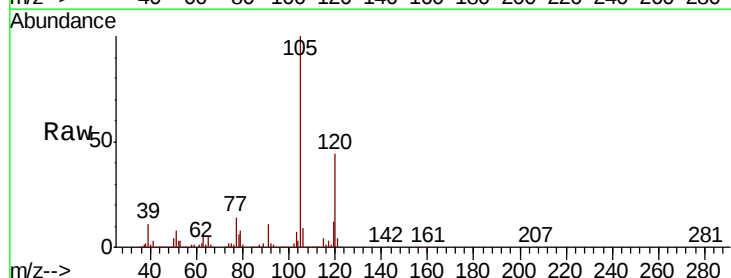
Instrument :
 MSVOA_F
 ClientSampleId :

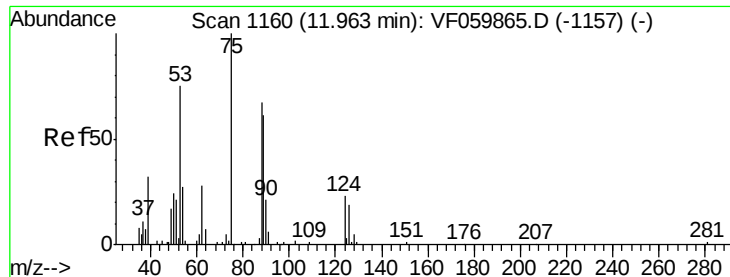
Tot Ion: 91 Resp: 423238
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 50.658 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion: 105 Resp: 533419
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 66.125 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

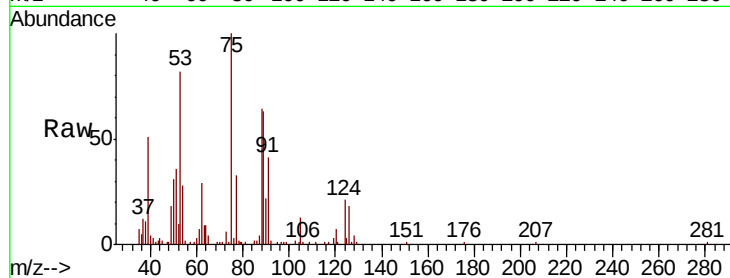
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 49360

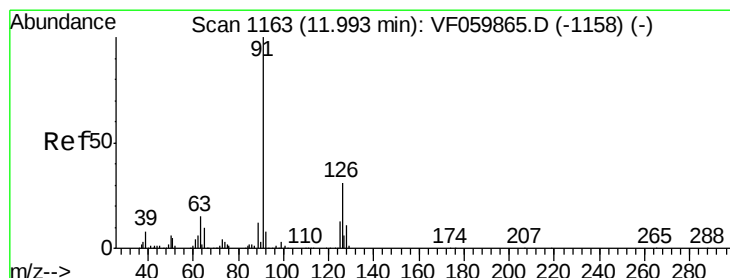
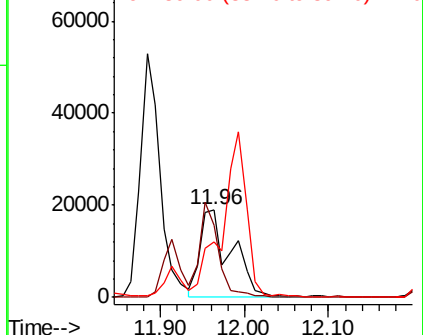
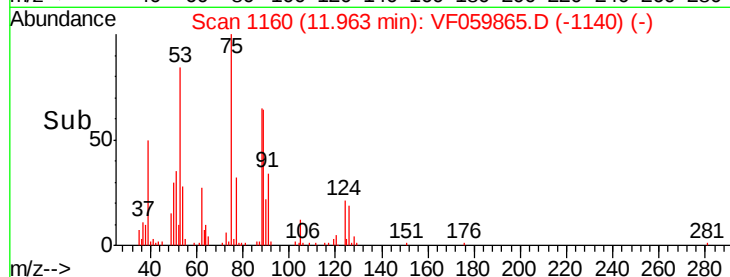
Ion	Ratio	Lower	Upper
75	100		
53	82.4	65.9	98.9
89	63.3	50.6	76.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.798 ug/l

RT: 11.99 min Scan# 1163

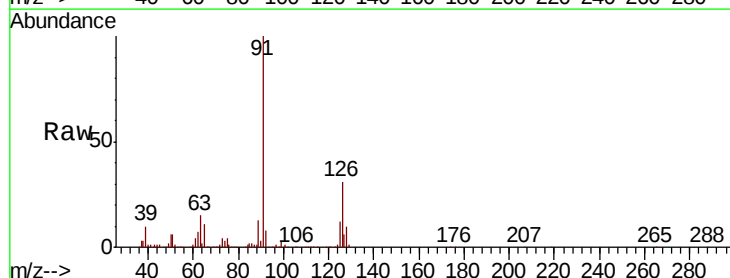
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

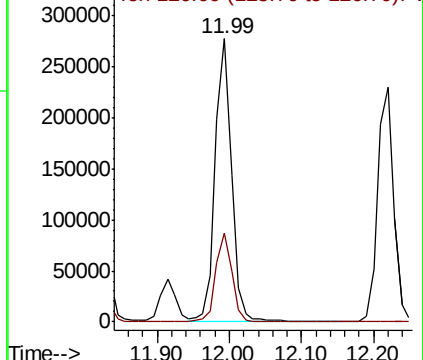
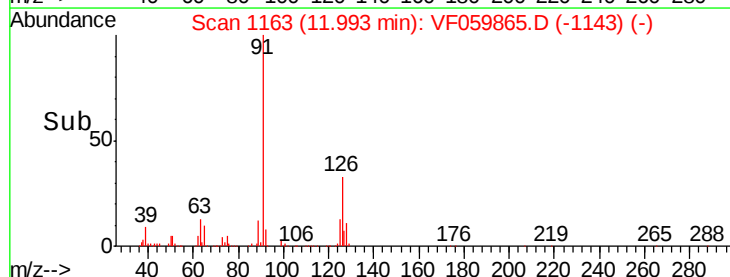
Tgt Ion: 91 Resp: 432207

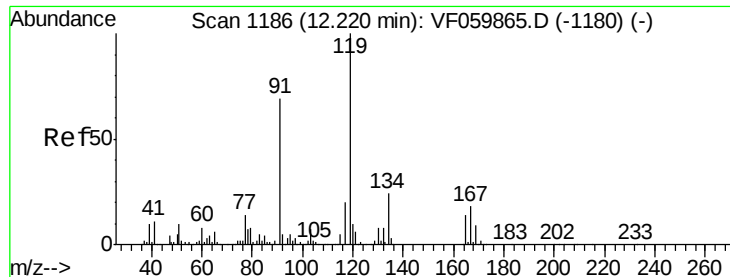
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 49.938 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

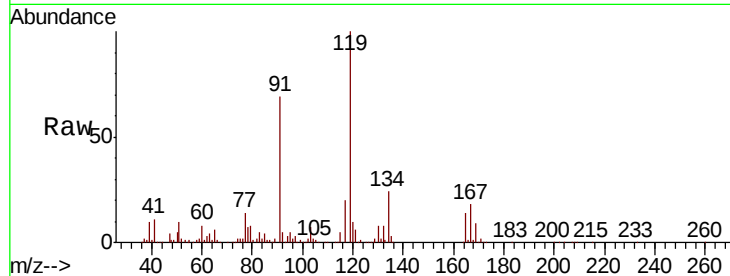
Tot Ion:119 Resp: 521838

Ion Ratio Lower Upper

119 100

91 68.8 34.4 103.2

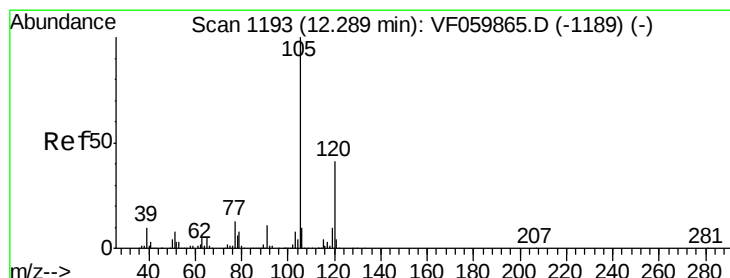
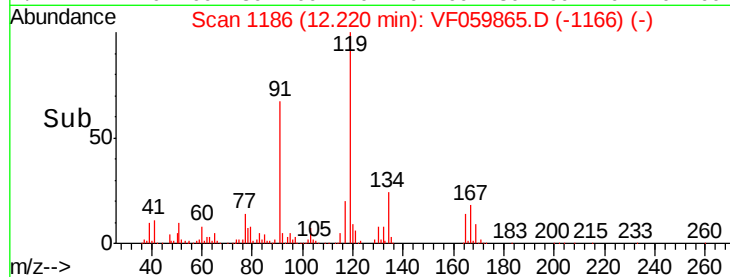
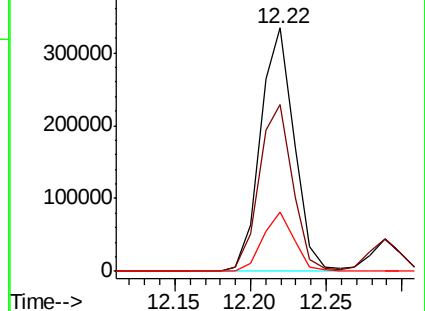
134 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.772 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059865.D

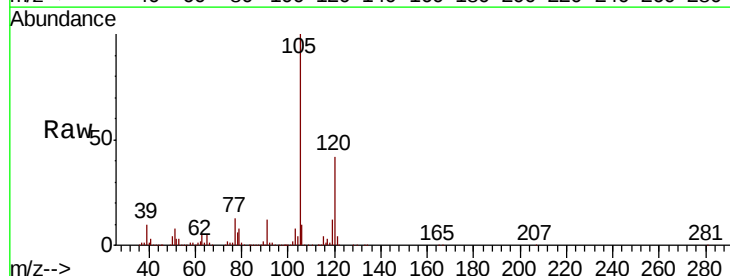
Acq: 4 Aug 2018 4:44

Tgt Ion:105 Resp: 536630

Ion Ratio Lower Upper

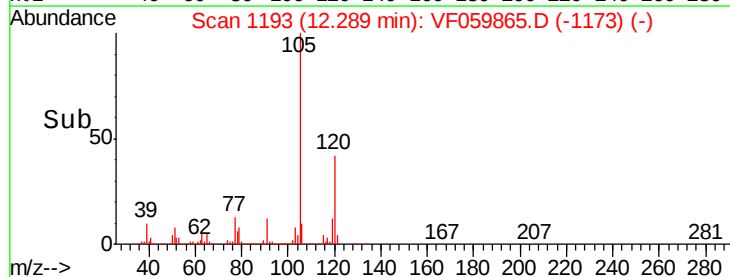
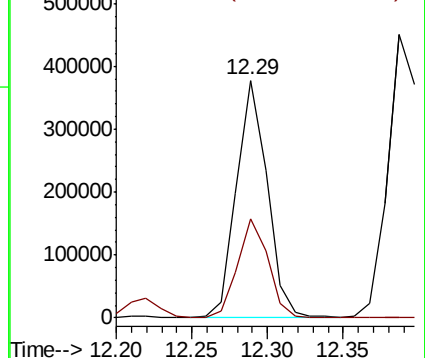
105 100

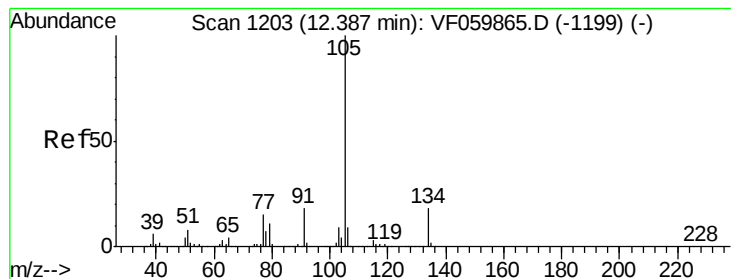
120 41.7 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.758 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

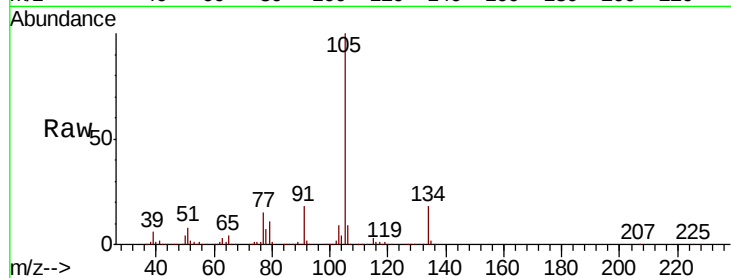
ClientSampled :

Tot Ion:105 Resp: 682926

Ion Ratio Lower Upper

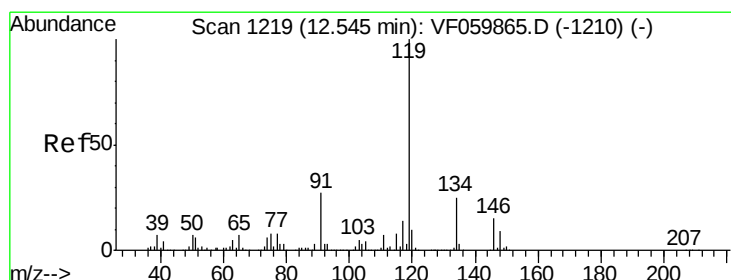
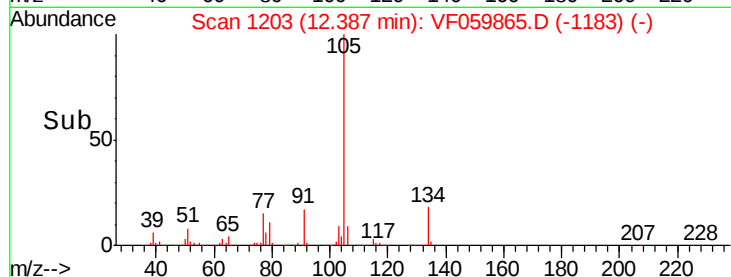
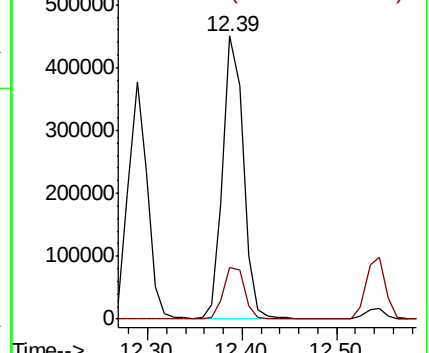
105 100

134 18.2 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.292 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

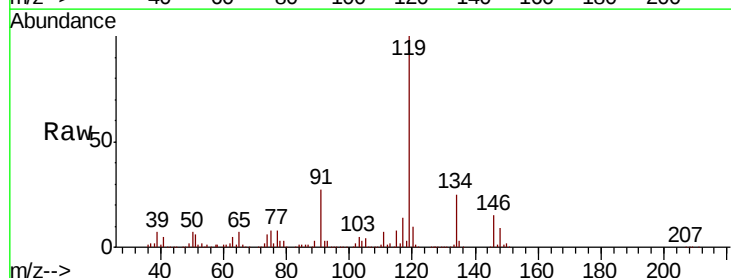
Tgt Ion:119 Resp: 608686

Ion Ratio Lower Upper

119 100

134 24.7 12.4 37.0

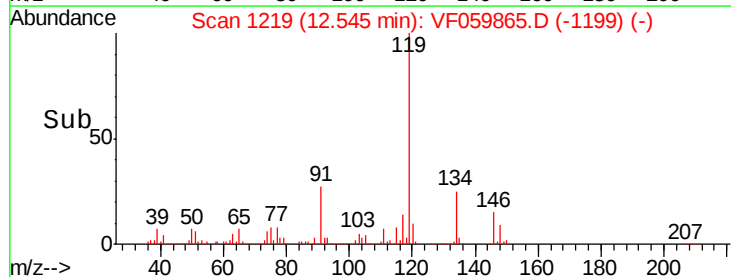
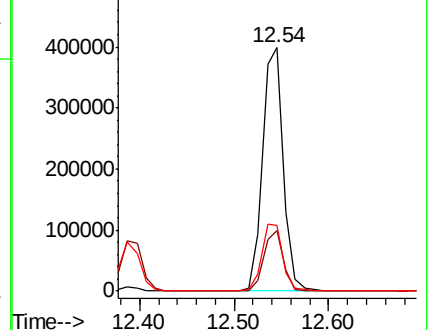
91 27.1 13.6 40.7

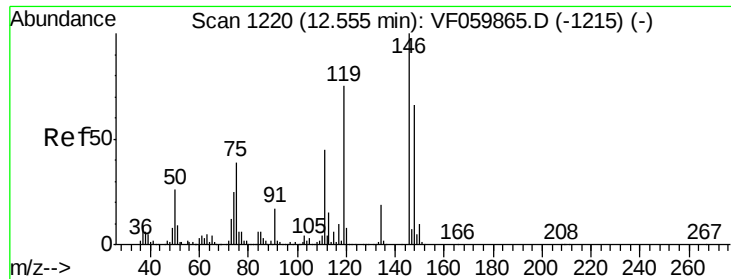


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

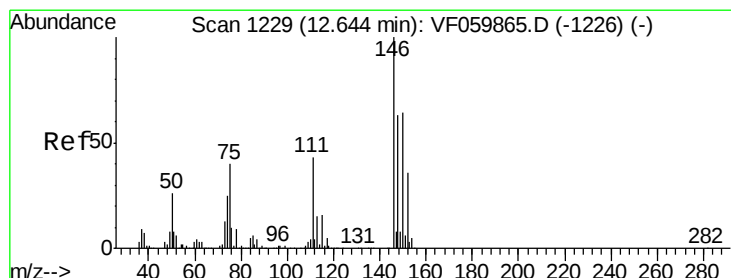
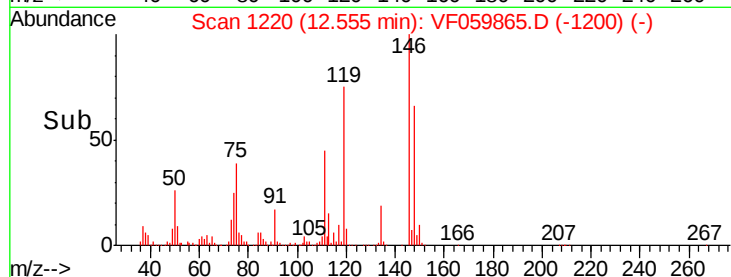
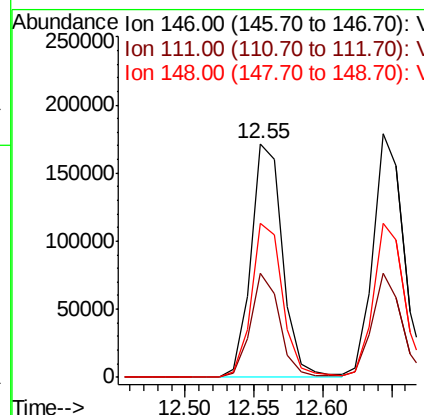
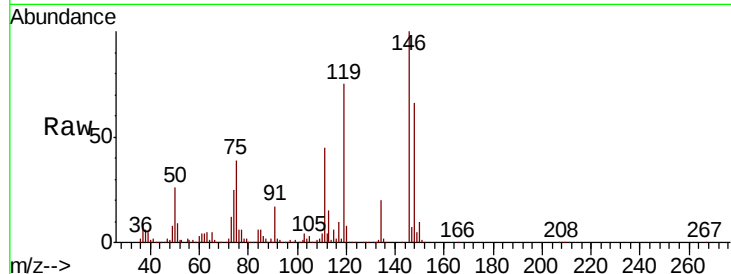




#87
 1,3-Dichlorobenzene
 Concen: 47.625 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

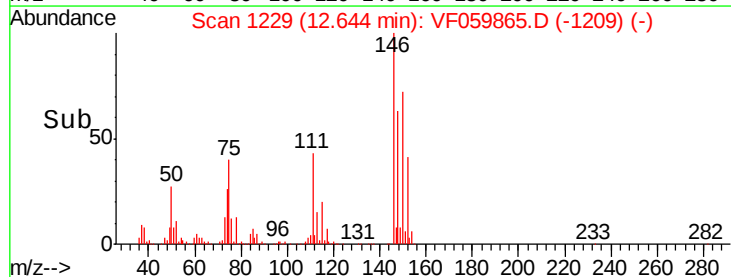
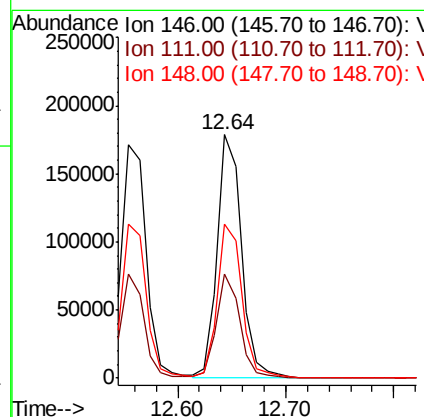
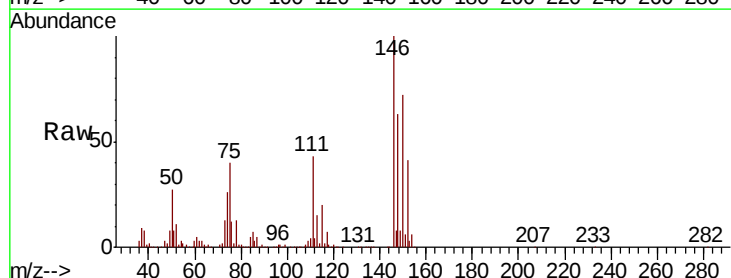
Instrument :
 MSVOA_F
 ClientSampled :

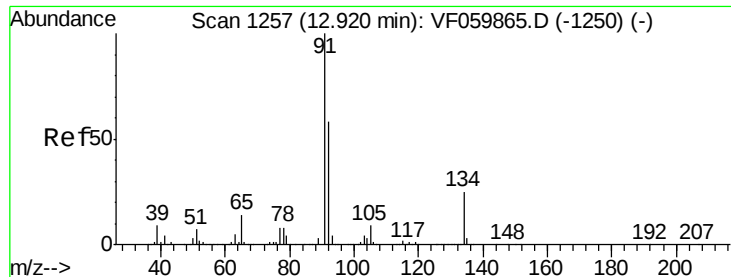
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.0
148	66.2	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 49.021 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	63.1	31.6	94.7





#89

n-Butylbenzene

Concen: 49.605 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

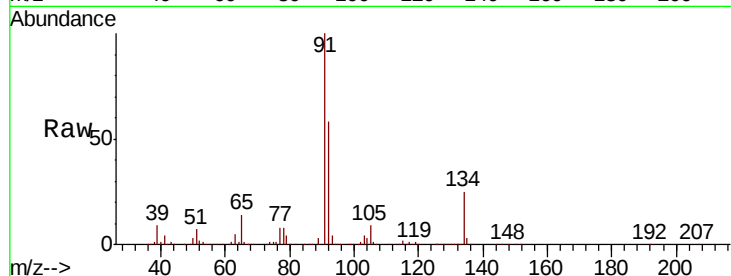
Tot Ion: 91 Resp: 553630

Ion Ratio Lower Upper

91 100

92 57.7 28.8 86.5

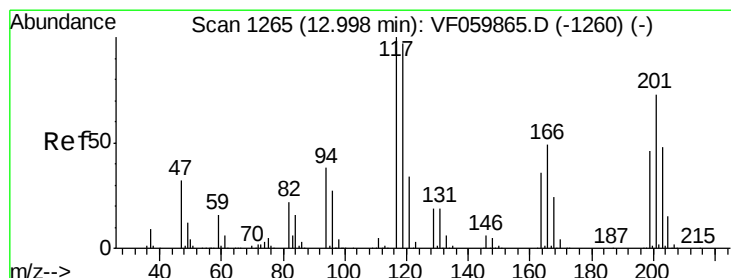
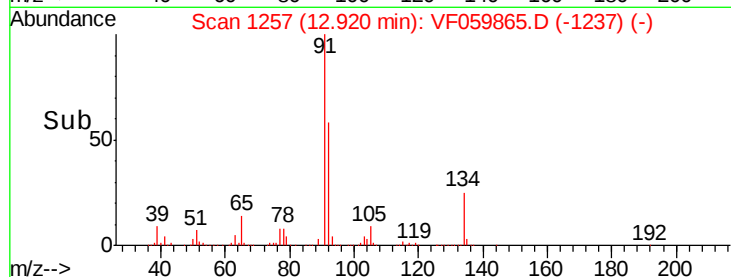
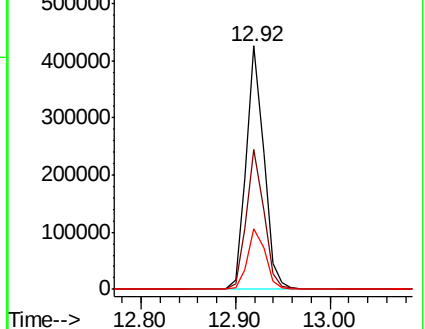
134 25.1 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.924 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059865.D

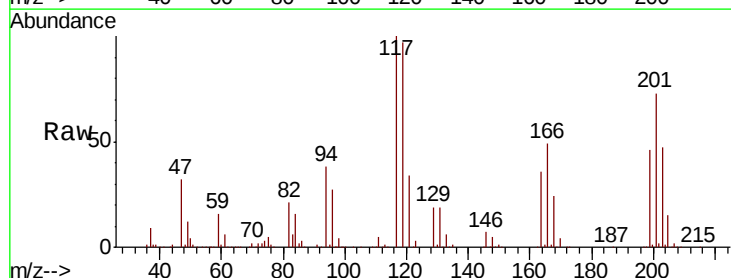
Acq: 4 Aug 2018 4:44

Tgt Ion: 117 Resp: 157647

Ion Ratio Lower Upper

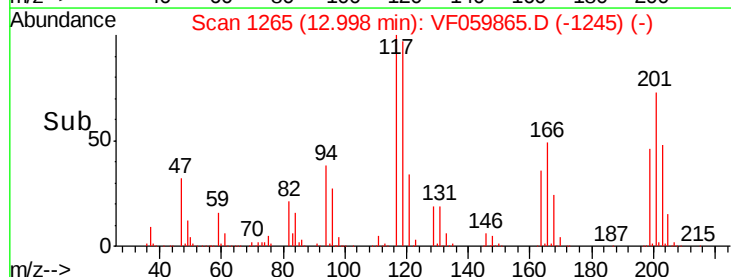
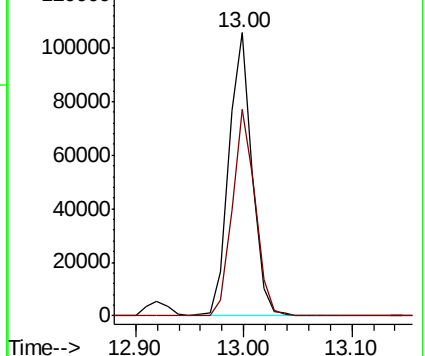
117 100

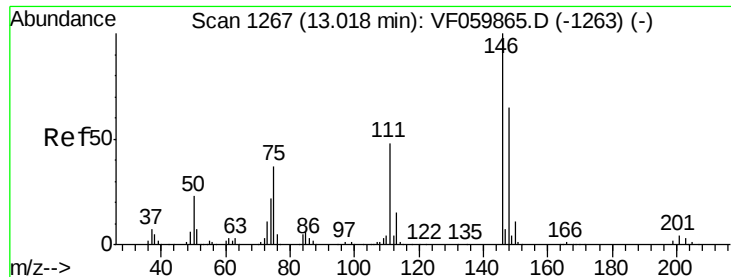
201 73.2 36.6 109.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 48.671 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

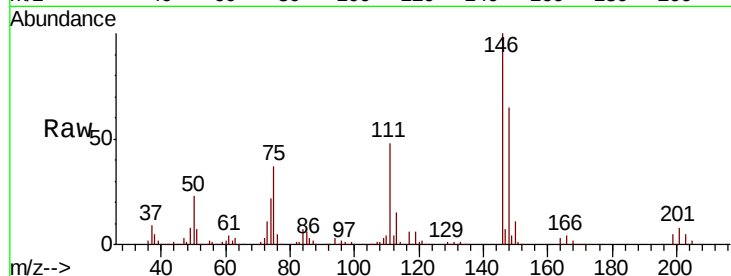
Tot Ion:146 Resp: 273082

Ion Ratio Lower Upper

146 100

111 48.1 24.1 72.2

148 65.5 32.8 98.3

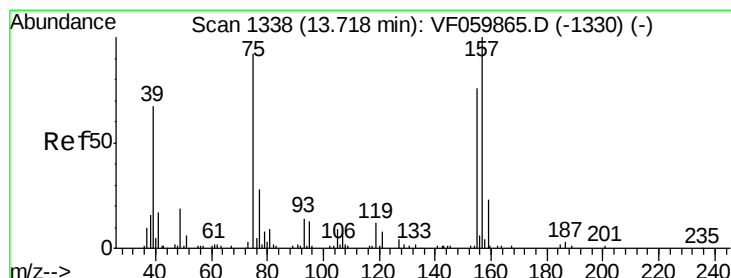
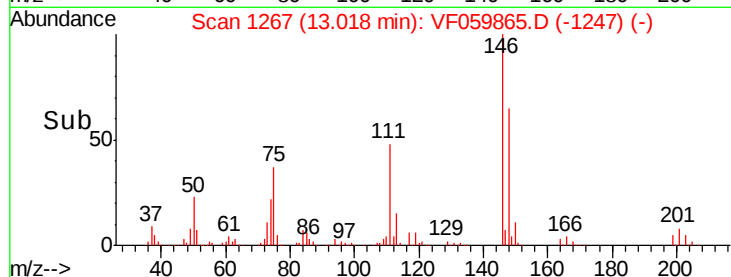
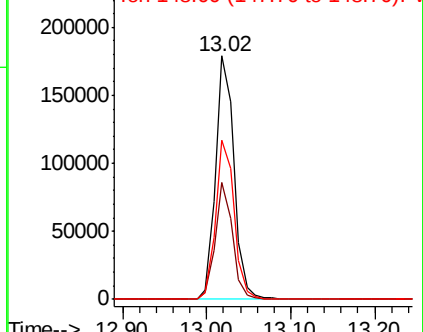


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.555 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

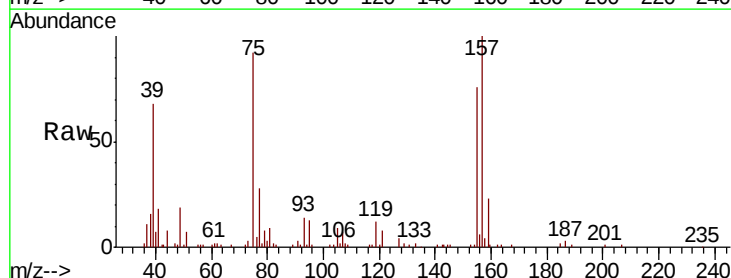
Tgt Ion: 75 Resp: 28273

Ion Ratio Lower Upper

75 100

155 82.4 41.2 123.6

157 109.1 54.5 163.6

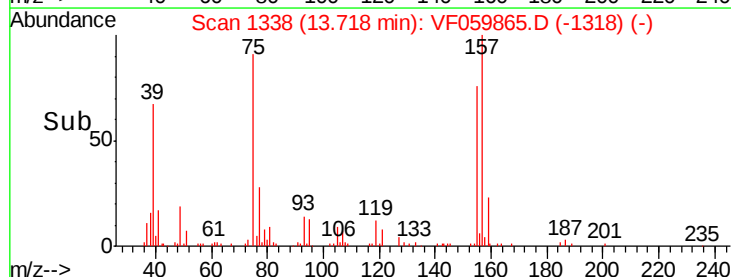
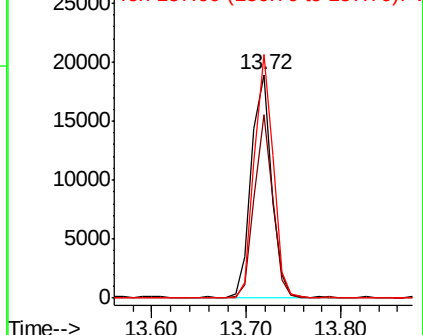


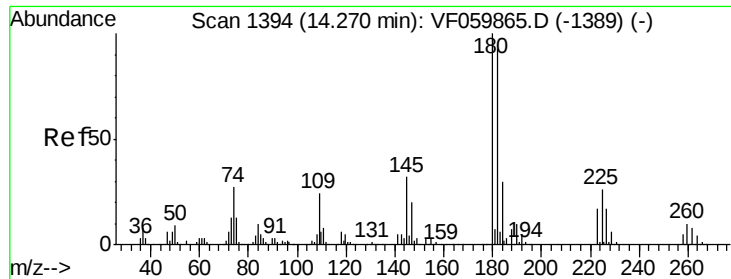
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

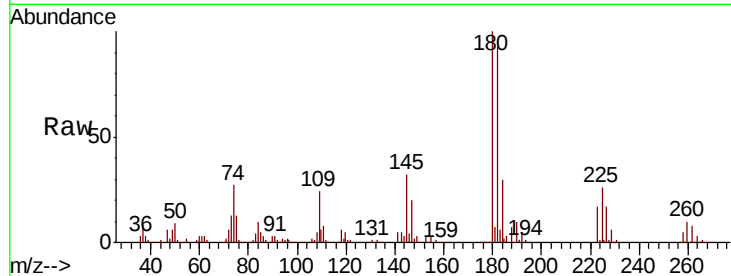




#93
 1,2,4-Trichlorobenzene
 Concen: 49.502 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	31.8	15.9	47.7

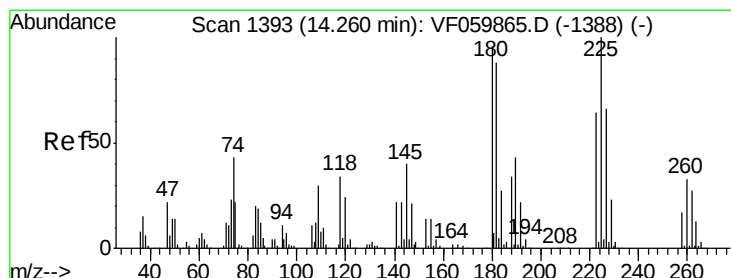
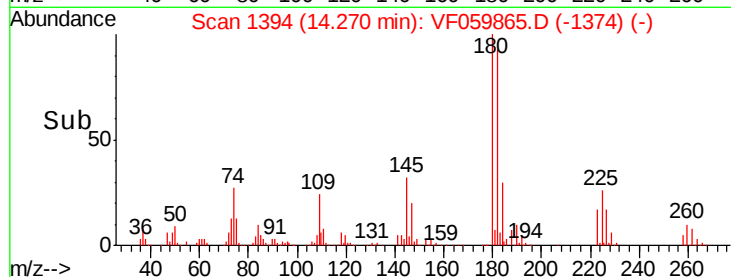
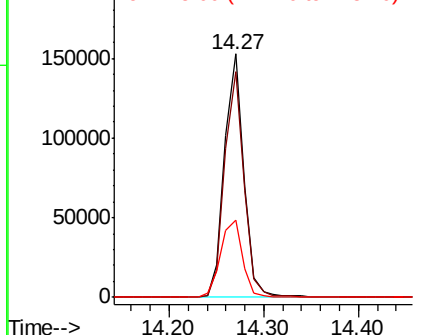


Abundance

Ion 180.00 (179.70 to 180.70): V

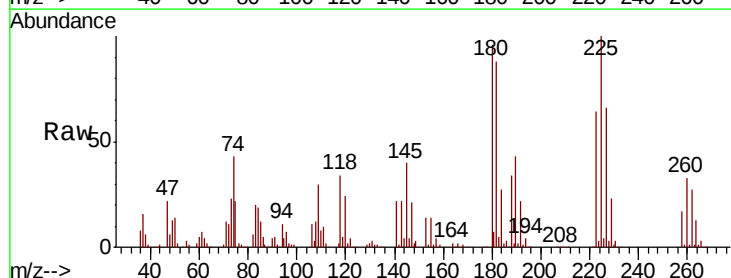
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 51.295 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.9
227	65.6	32.8	98.4

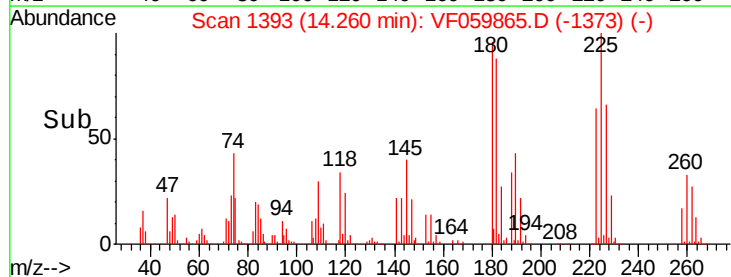
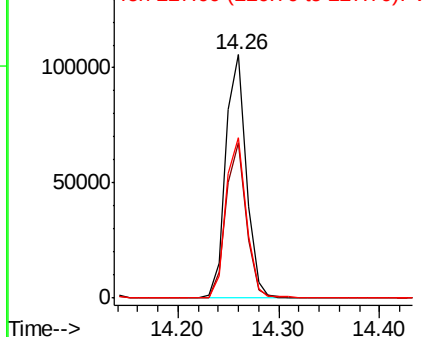


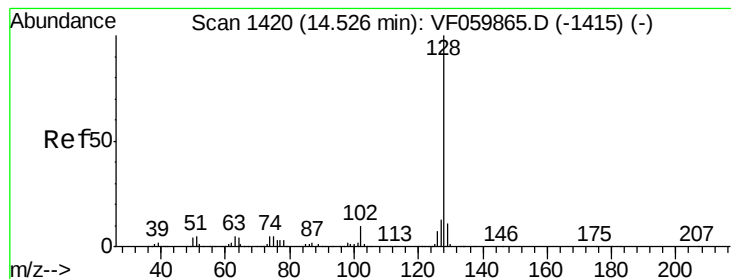
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 50.093 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

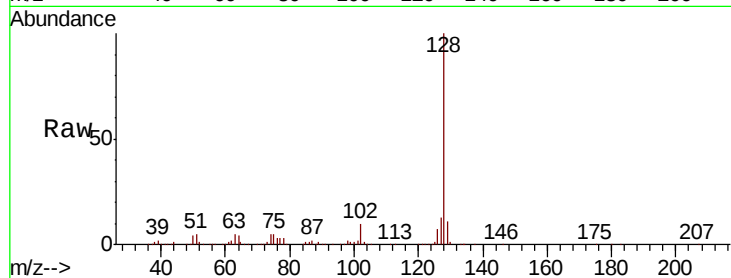
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 382084

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.3	9.0	13.6

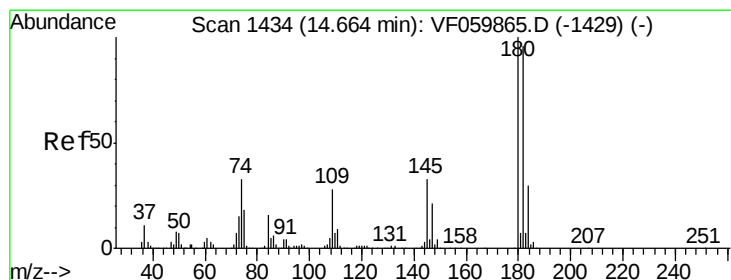
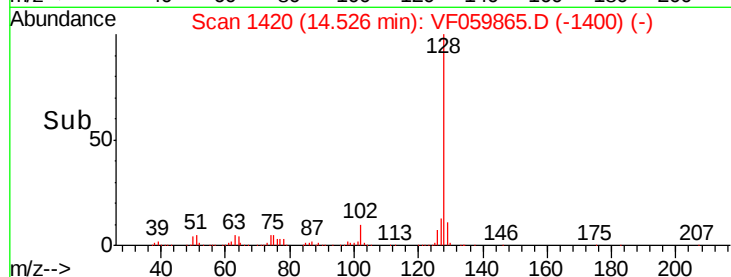
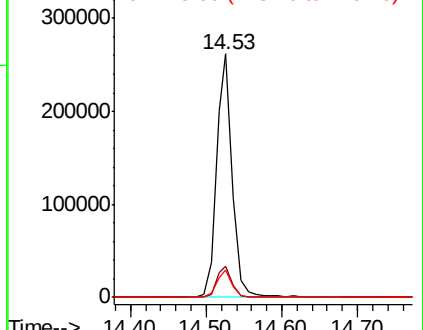


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.331 ug/l

RT: 14.66 min Scan# 1434

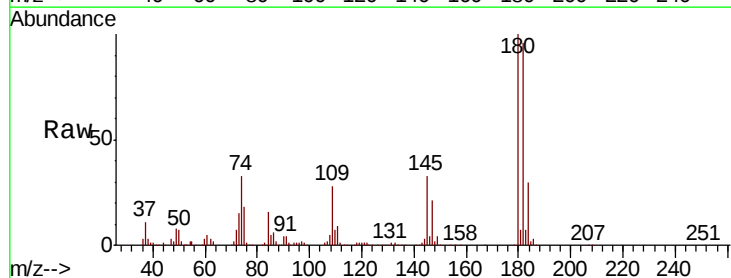
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:180 Resp: 217368

Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	33.2	16.6	49.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

