

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059866.D
 Acq On : 4 Aug 2018 5:12
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:05 AM

Quant Time: Aug 04 06:30:10 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	203440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	286836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	284491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	184614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	248886	66.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.96%	
35) Dibromofluoromethane	4.30	113	195601	65.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.38%	
50) Toluene-d8	7.72	98	437708	63.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.24%	
62) 4-Bromofluorobenzene	11.51	95	250047	65.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	237340	79.87	ug/l	94
3) Chloromethane	1.09	50	111814	77.17	ug/l	98
4) Vinyl Chloride	1.16	62	119780	80.35	ug/l	95
5) Bromomethane	1.34	94	98517	79.83	ug/l	100
6) Chloroethane	1.43	64	73365	78.26	ug/l	99
7) Trichlorofluoromethane	1.54	101	326048m	82.13	ug/l	
8) Diethyl Ether	1.70	74	46874	70.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	156390	75.29	ug/l	94
10) Methyl Iodide	1.96	142	258282	78.29	ug/l	97
11) Tert butyl alcohol	2.69	59	48182	296.36	ug/l	98
12) 1,1-Dichloroethene	1.86	96	125632	76.07	ug/l	84
13) Acrolein	2.09	56	27023	382.83	ug/l	99
14) Allyl chloride	2.19	41	205028	77.44	ug/l	94
15) Acrylonitrile	3.08	53	95523	354.87	ug/l #	92
16) Acetone	2.33	43	217573	326.30	ug/l	97
17) Carbon Disulfide	1.89	76	336582	81.87	ug/l	99
18) Methyl Acetate	2.45	43	86742	69.66	ug/l #	84
19) Methyl tert-butyl Ether	2.54	73	343724	70.14	ug/l	96
20) Methylene Chloride	2.27	84	117493m	61.54	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	115086	69.57	ug/l	99
22) Diisopropyl ether	2.93	45	404853	73.72	ug/l	95
23) Vinyl Acetate	3.33	43	930253	333.53	ug/l	99
24) 1,1-Dichloroethane	3.00	63	280748	72.92	ug/l	100
25) 2-Butanone	4.51	43	257114	357.97	ug/l	95
26) 2,2-Dichloropropane	3.76	77	161877	61.07	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	139100	68.57	ug/l	89
28) Bromochloromethane	3.89	49	104827	70.16	ug/l	88
29) Tetrahydrofuran	4.25	42	88002	310.23	ug/l	98
30) Chloroform	4.04	83	388573	72.36	ug/l	99
31) Cyclohexane	3.86	56	152527	73.06	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	301692	71.66	ug/l	98
36) 1,1-Dichloropropene	4.46	75	240964	70.61	ug/l	98
37) Ethyl Acetate	4.30	43	98452	59.27	ug/l #	73
38) Carbon Tetrachloride	4.17	117	337716m	72.16	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	181659	70.55	ug/l	96
40) Benzene	4.81	78	401836	67.85	ug/l	98
41) Methacrylonitrile	4.93	41	51265	62.82	ug/l	92
42) 1,2-Dichloroethane	5.12	62	324183	76.65	ug/l	99
43) Isopropyl Acetate	7.11	43	108082	63.50	ug/l #	94
44) Trichloroethene	5.68	130	154473	67.27	ug/l	96
45) 1,2-Dichloropropane	6.40	63	112979	72.62	ug/l #	90
46) Dibromomethane	6.26	93	105815	71.42	ug/l	95
47) Bromodichloromethane	6.55	83	301786	74.30	ug/l	96
48) Methyl methacrylate	6.88	41	91068	70.68	ug/l	96
49) 1,4-Dioxane	6.87	88	11728	1180.79	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	528541	390.48	ug/l	97
52) Toluene	7.78	92	309703	70.46	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	230436	66.75	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	248660	73.56	ug/l	91
55) 1,1,2-Trichloroethane	8.64	97	108017	68.60	ug/l	95
56) Ethyl methacrylate	8.76	69	119047	73.08	ug/l	91
57) 1,3-Dichloropropane	9.01	76	187339	68.60	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	71968	363.06	ug/l	100
59) 2-Hexanone	9.63	43	389902	364.70	ug/l	100
60) Dibromochloromethane	8.87	129	202933	71.66	ug/l	92
61) 1,2-Dibromoethane	9.14	107	133487	71.42	ug/l	96
64) Tetrachloroethene	8.31	164	173805	74.91	ug/l	97
65) Chlorobenzene	9.94	112	400168	68.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	194204	70.99	ug/l	99
67) Ethyl Benzene	10.04	91	725977	71.74	ug/l	98
68) m/p-Xylenes	10.28	106	498456	140.53	ug/l	92
69) o-Xylene	10.83	106	275036	73.31	ug/l	97
70) Styrene	10.91	104	406846	72.41	ug/l	99
71) Bromoform	10.89	173	122838	69.92	ug/l #	88
73) Isopropylbenzene	11.23	105	880721	71.25	ug/l	99
74) N-amyl acetate	11.46	43	202371	66.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	146109	63.86	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	131163	66.87	ug/l	100
77) Bromobenzene	11.60	156	230512	71.65	ug/l	98
78) n-propylbenzene	11.69	91	976920	67.78	ug/l	99
79) 2-Chlorotoluene	11.82	91	629334	70.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	789205	70.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	47897m	60.68	ug/l	
82) 4-Chlorotoluene	11.99	91	673708	70.46	ug/l	100
83) tert-Butylbenzene	12.22	119	762122	68.97	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	799991	71.58	ug/l	97
85) sec-Butylbenzene	12.39	105	982724	69.07	ug/l	99
86) p-Isopropyltoluene	12.54	119	872682	69.55	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	412750	67.28	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	413967	68.99	ug/l	98
89) n-Butylbenzene	12.92	91	808805	68.54	ug/l	99
90) Hexachloroethane	13.00	117	218790	69.46	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	399799	67.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	40044	70.39	ug/l	82

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ClientSampleId :
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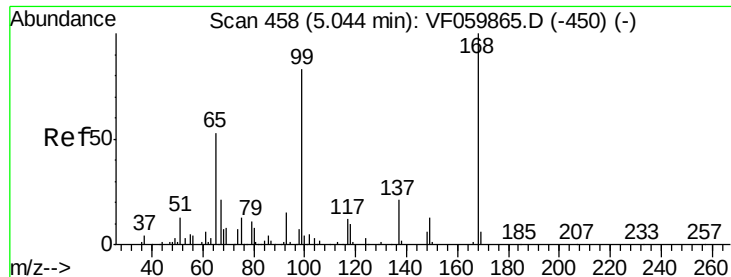
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	309956	67.23	ug/l	96
94) Hexachlorobutadiene	14.26	225	217413	70.36	ug/l	97
95) Naphthalene	14.53	128	582559	72.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	317677	70.95	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 203440

Ion Ratio Lower Upper

168 100

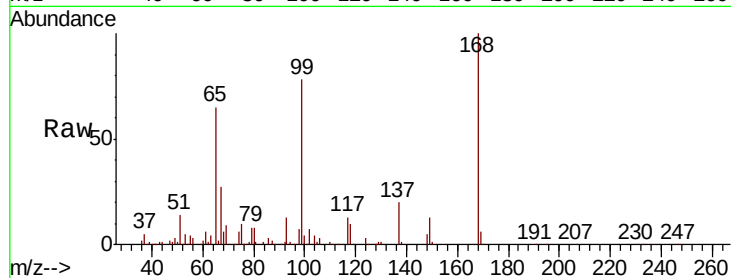
99 77.8 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

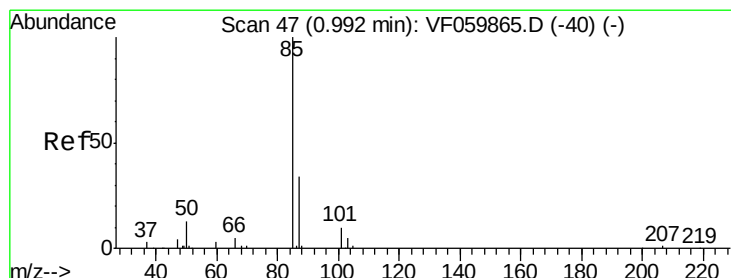
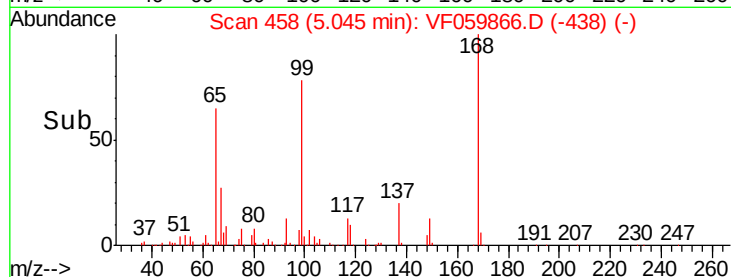
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 79.87 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059866.D

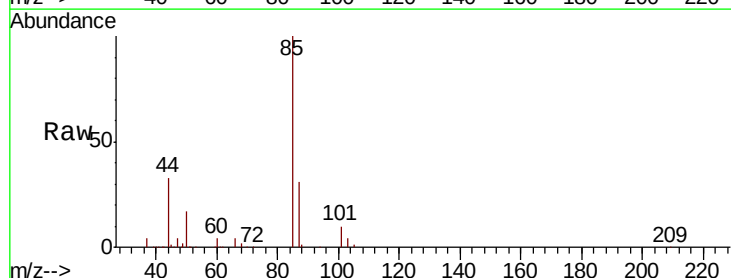
Acq: 4 Aug 2018 5:12

Tgt Ion: 85 Resp: 237340

Ion Ratio Lower Upper

85 100

87 30.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

80000

60000

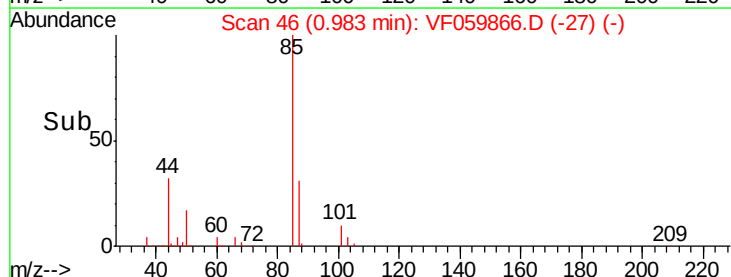
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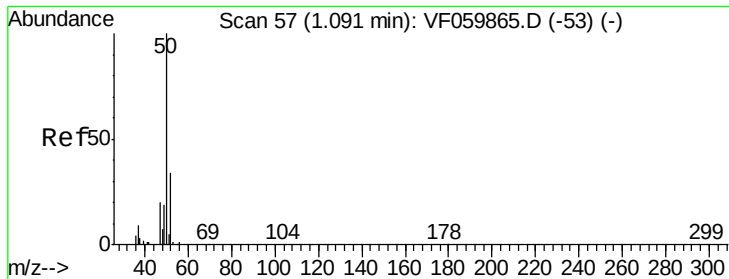
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 77.17 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 111814

Ion Ratio Lower Upper

50 100

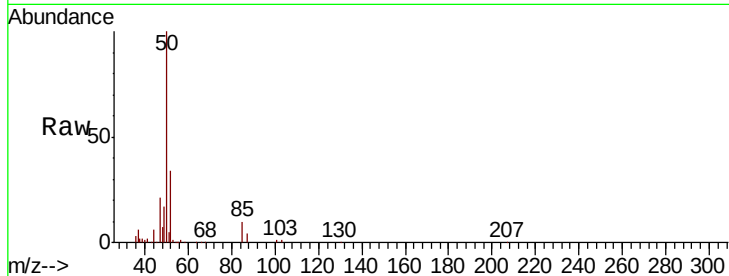
52 33.6 25.8 38.8

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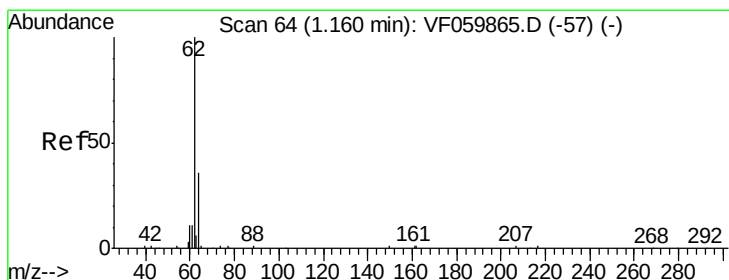
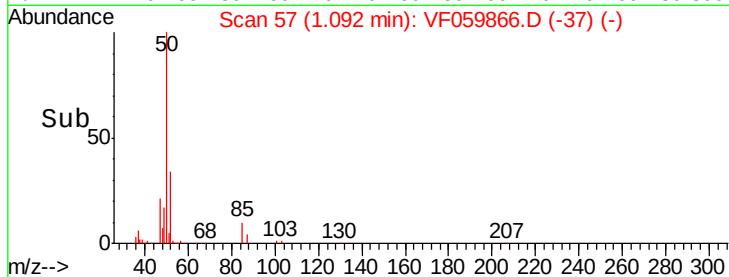
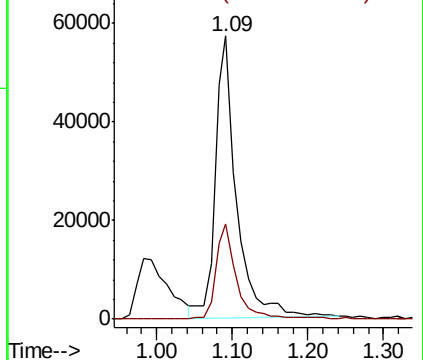
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 80.35 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059866.D

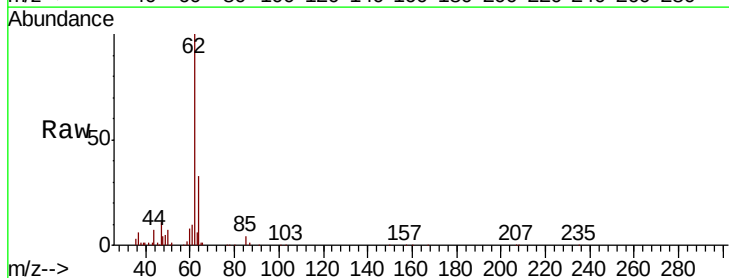
Acq: 4 Aug 2018 5:12

Tgt Ion: 62 Resp: 119780

Ion Ratio Lower Upper

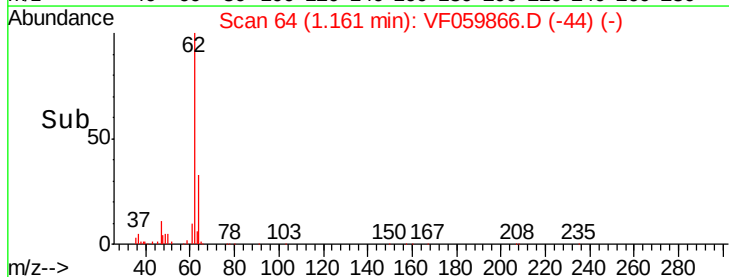
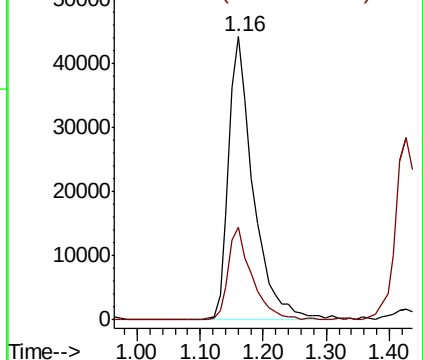
62 100

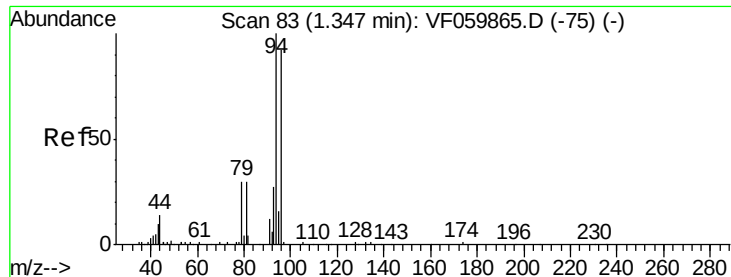
64 32.7 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 79.83 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 98517

Ion Ratio Lower Upper

94 100

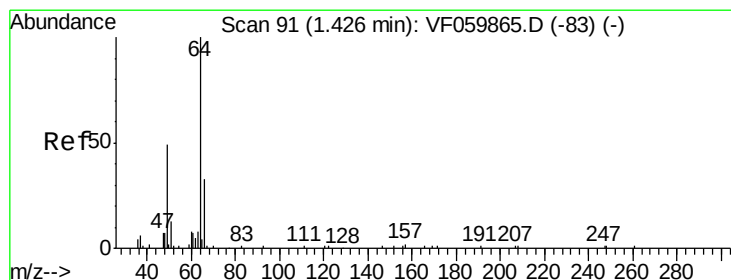
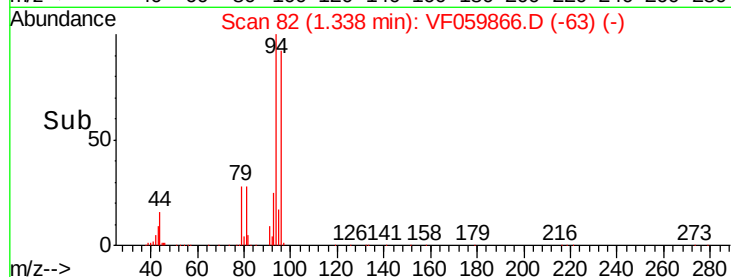
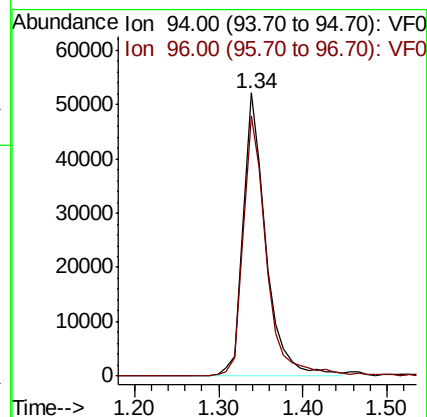
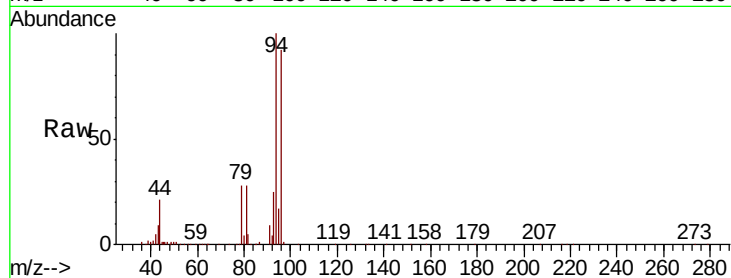
96 92.1 73.8 110.8

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#6

Chloroethane

Concen: 78.26 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059866.D

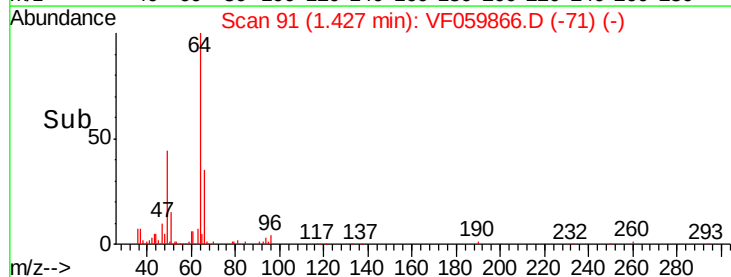
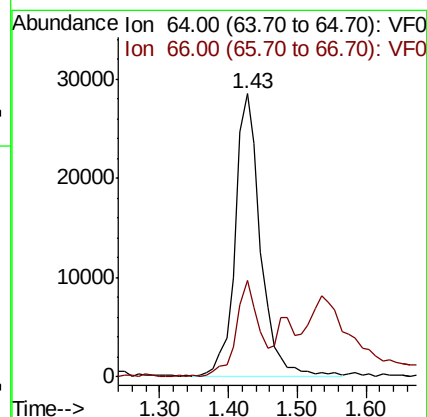
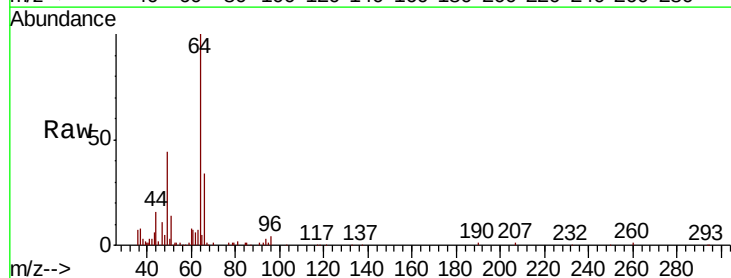
Acq: 4 Aug 2018 5:12

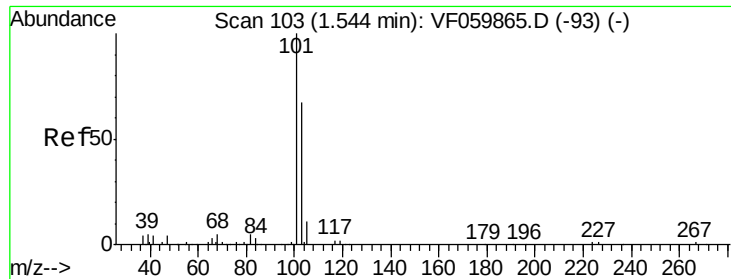
Tgt Ion: 64 Resp: 73365

Ion Ratio Lower Upper

64 100

66 34.1 26.9 40.3





#7

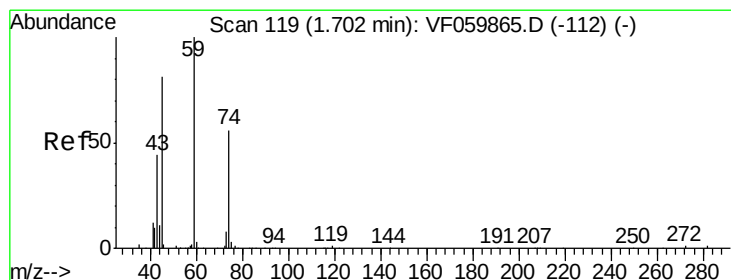
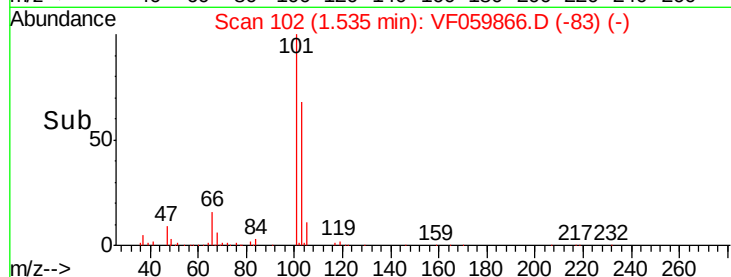
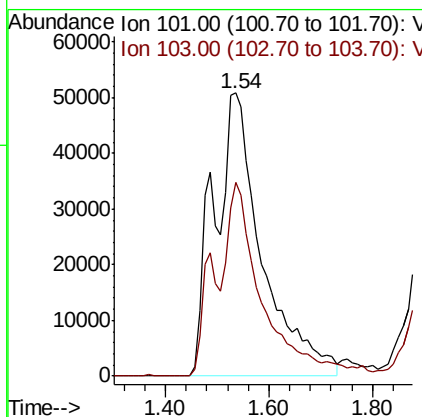
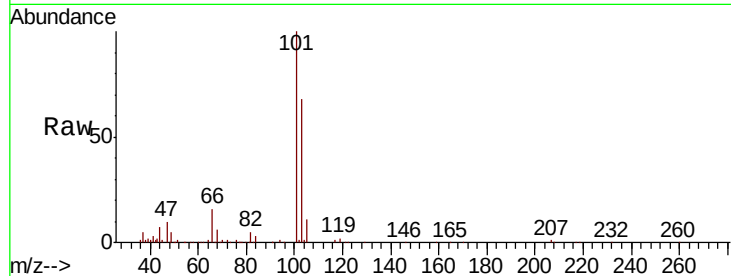
Trichlorofluoromethane
Concen: 82.13 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF059866.D
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VSTDIC075

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	53.6	80.4

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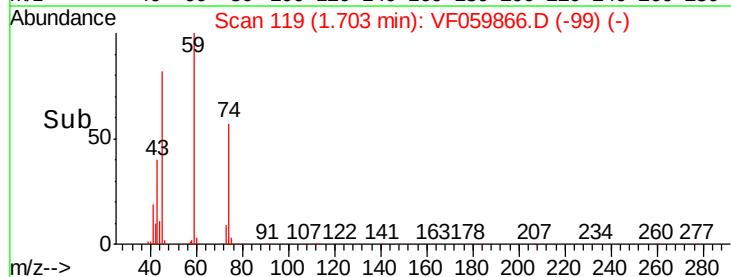
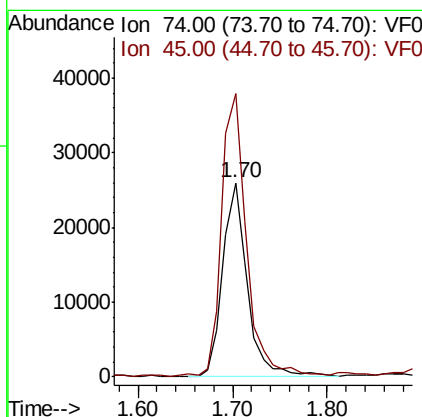
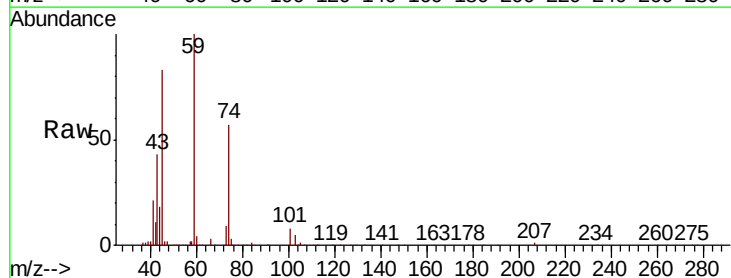
apatel
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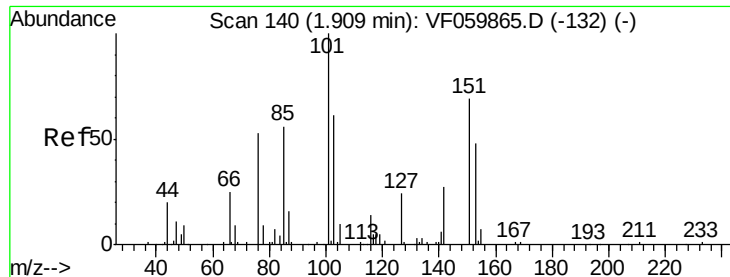


#8

Diethyl Ether
Concen: 70.76 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.9	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 75.29 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

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Instrument :

MSVOA_F

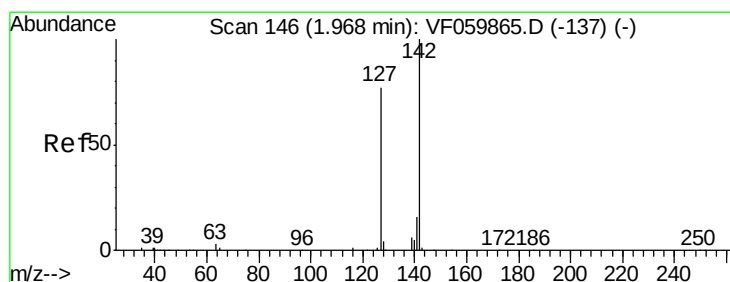
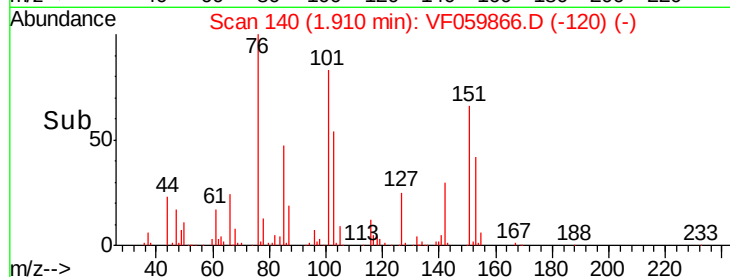
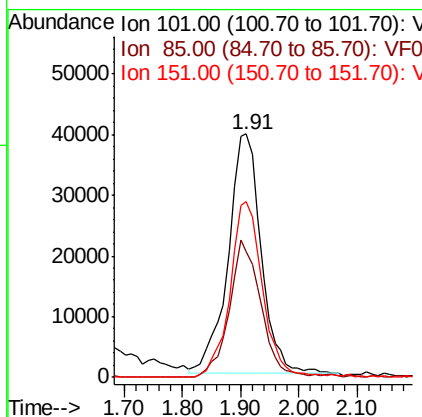
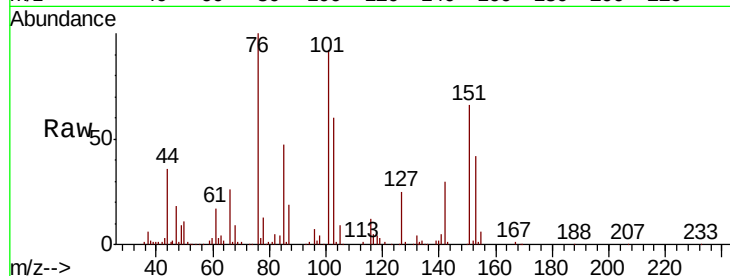
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	156390
Ion Ratio	Lower	Upper	
101	100		
85	51.7	44.5	66.7
151	72.0	53.8	80.8

Manual Integrations
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#10

Methyl Iodide

Concen: 78.29 ug/l

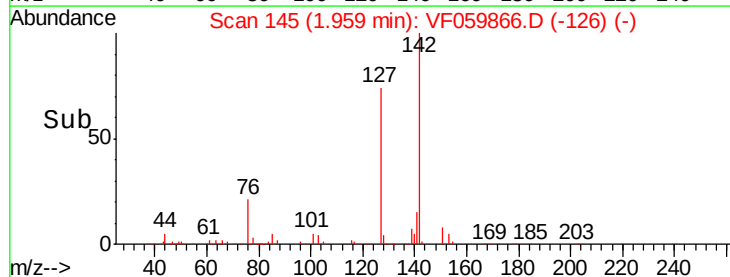
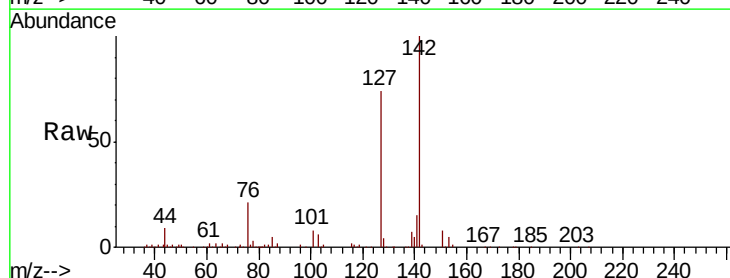
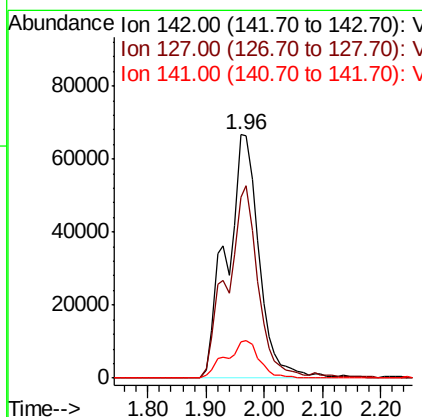
RT: 1.96 min Scan# 145

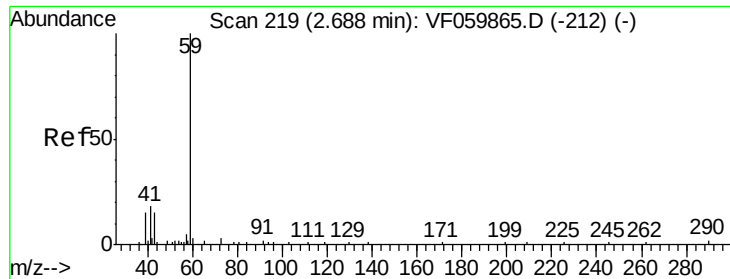
Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	142	Resp:	258282
Ion Ratio	Lower	Upper	
142	100		
127	74.2	61.5	92.3
141	15.0	13.0	19.4





#11

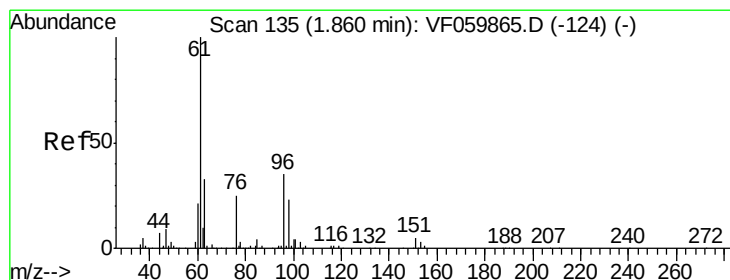
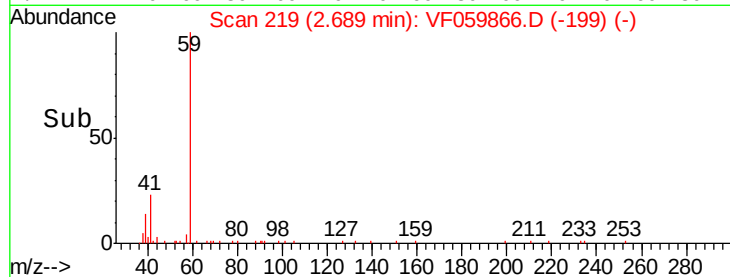
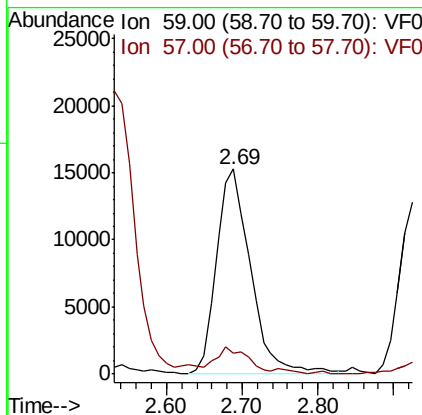
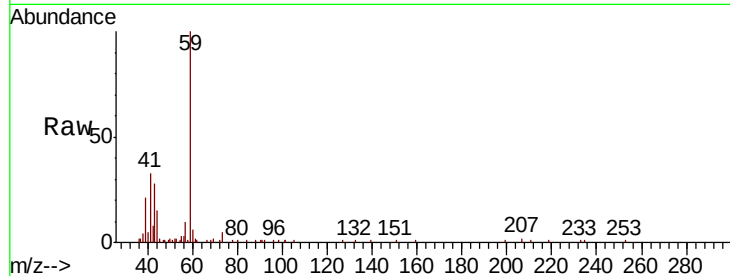
Tert butyl alcohol
Concen: 296.36 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4

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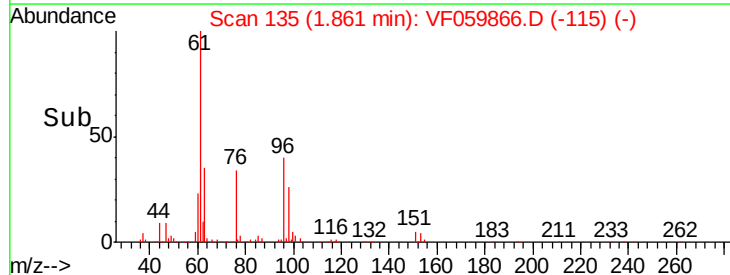
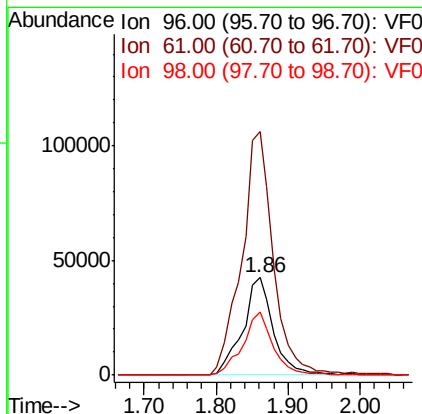
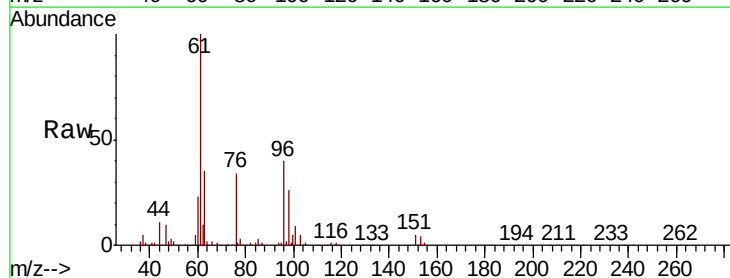
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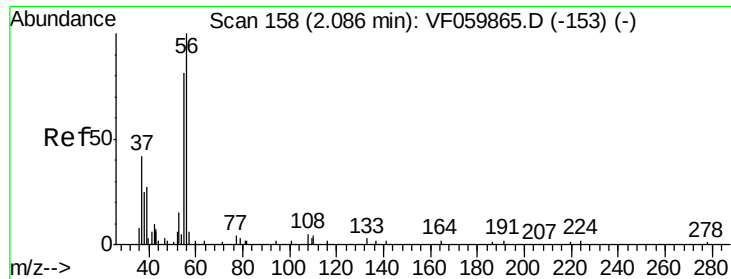


#12

1,1-Dichloroethene
Concen: 76.07 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.4	230.2	345.2
98	64.8	52.7	79.1





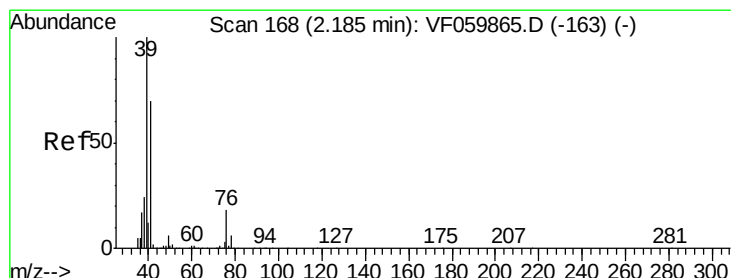
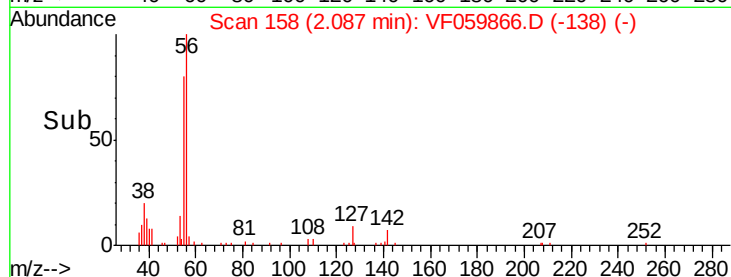
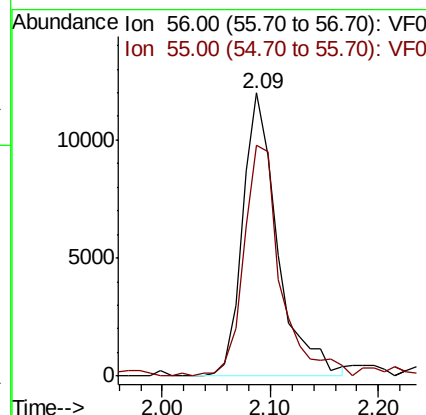
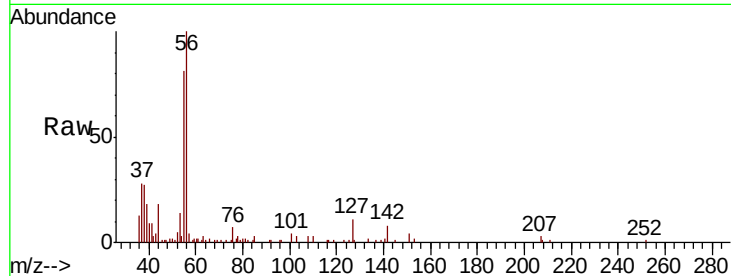
#13
Acrolein
Concen: 382.83 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	56	Resp	27023
Ion Ratio	100	Lower	Upper
55	81.4	64.6	96.8

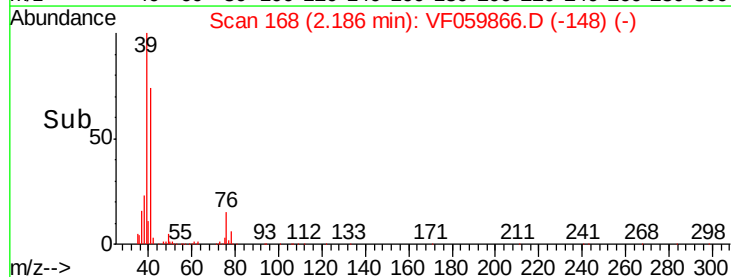
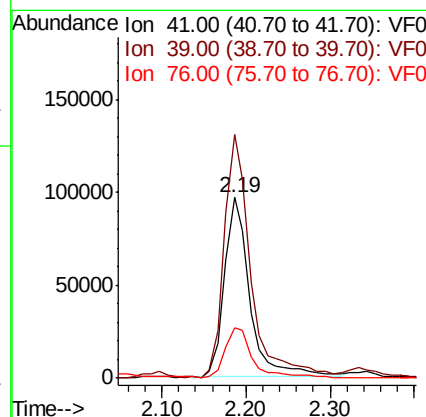
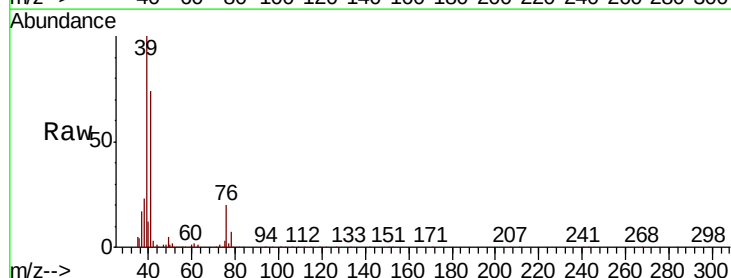
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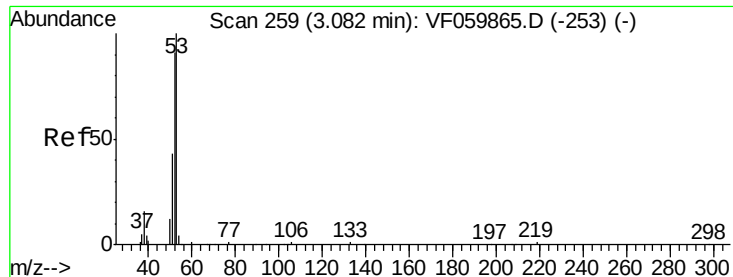
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#14
Allyl chloride
Concen: 77.44 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	41	Resp	205028
Ion Ratio	100	Lower	Upper
39	134.8	114.6	171.8
76	27.6	21.0	31.4





#15

Acrylonitrile

Concen: 354.87 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

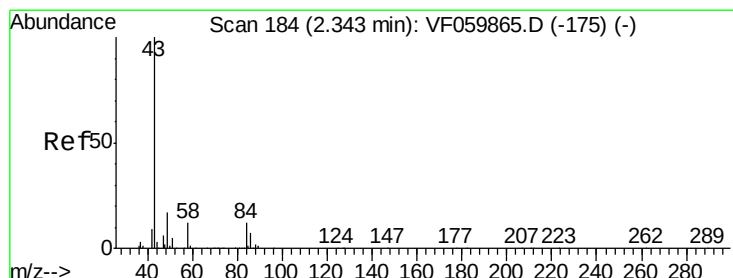
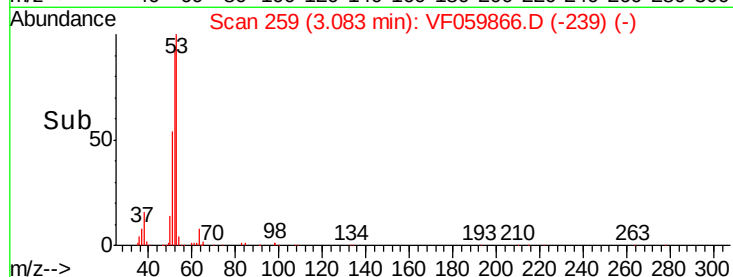
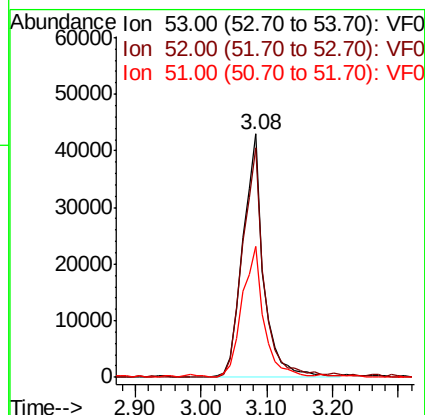
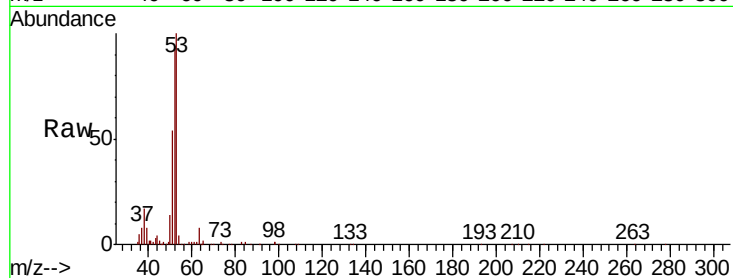
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	95523
Ion Ratio	Lower	Upper	
53	100		
52	94.0	72.9	109.3
51	54.0	34.5	51.7#

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#16

Acetone

Concen: 326.30 ug/l

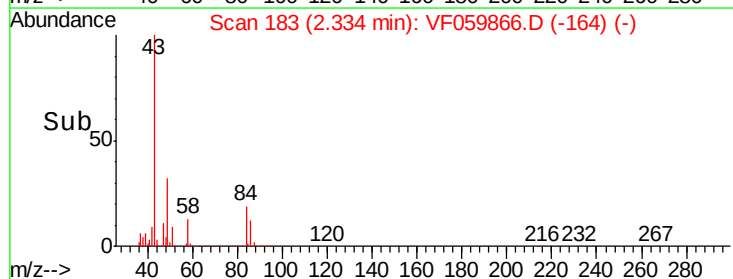
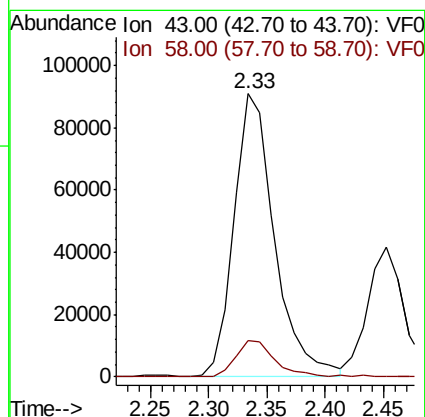
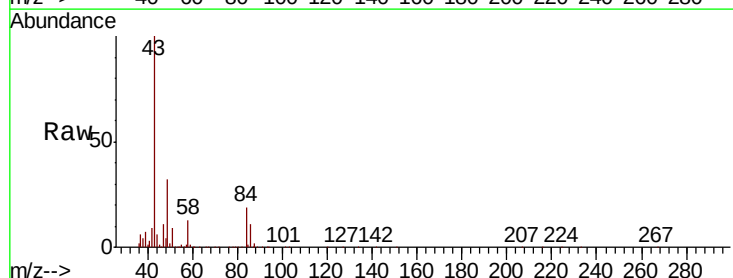
RT: 2.33 min Scan# 183

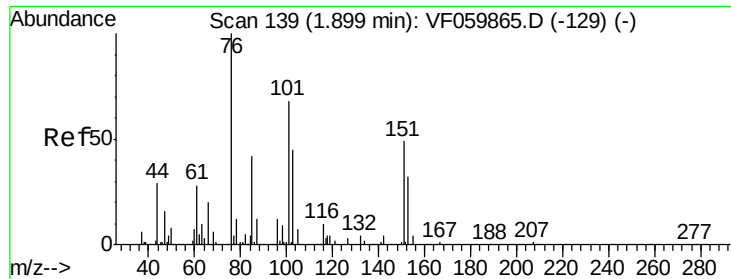
Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	43	Resp:	217573
Ion Ratio	Lower	Upper	
43	100		
58	12.9	9.4	14.0





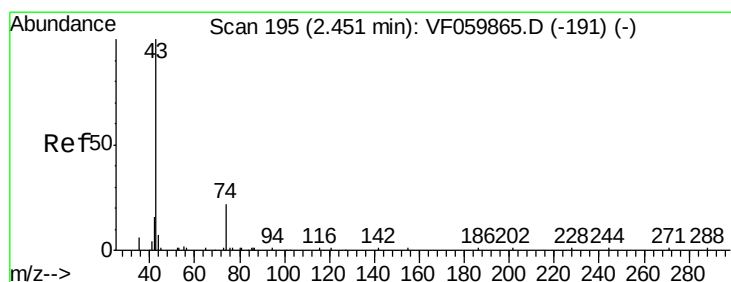
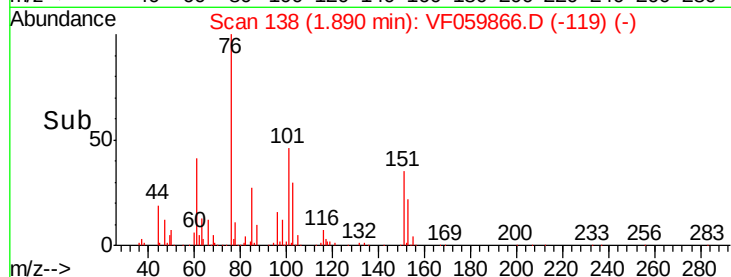
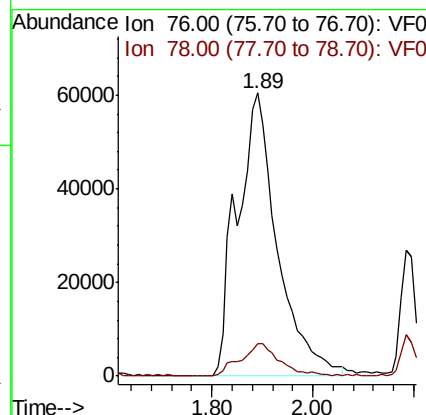
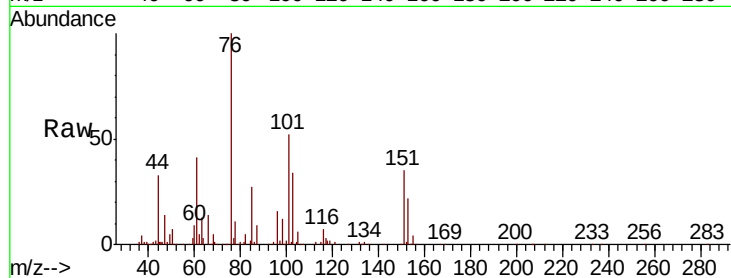
#17
Carbon Disulfide
Concen: 81.87 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.3	9.3	13.9

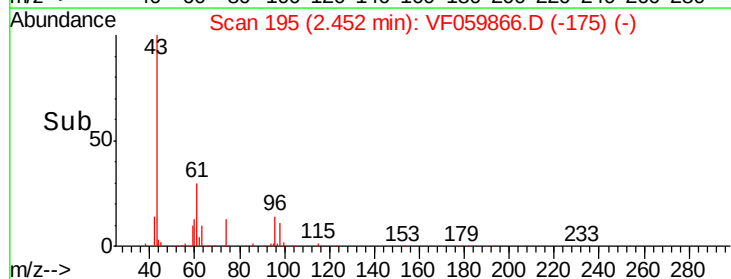
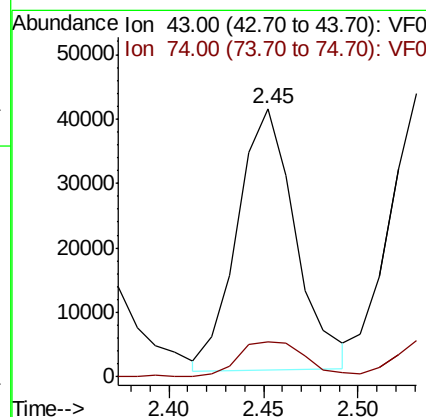
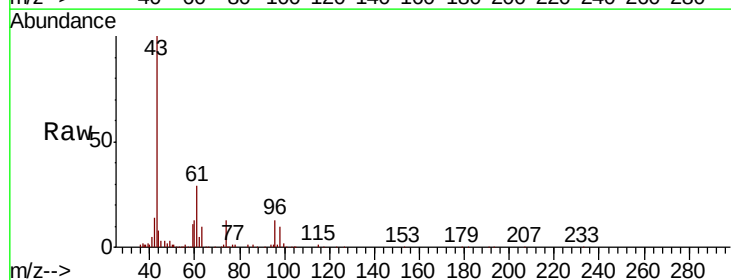
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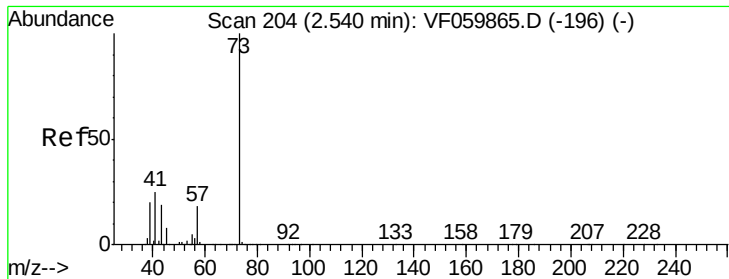
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#18
Methyl Acetate
Concen: 69.66 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.0	16.3	24.5#





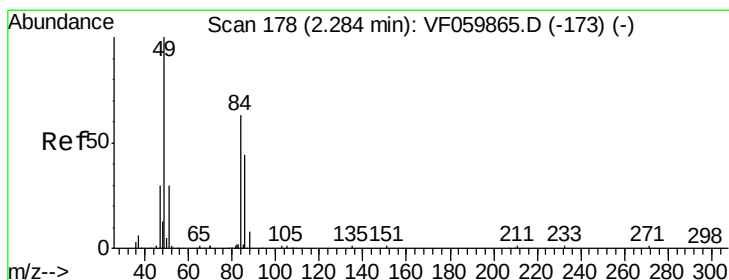
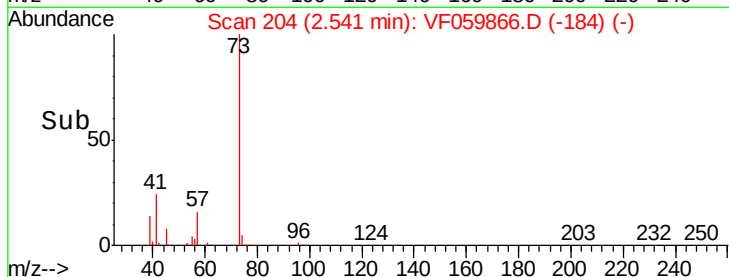
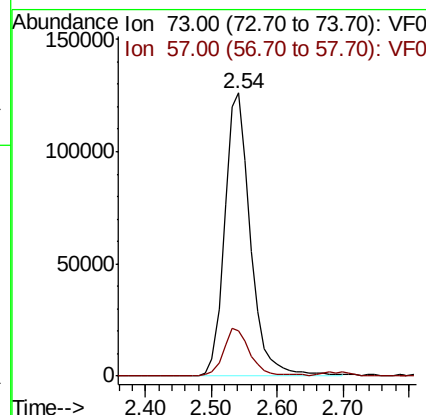
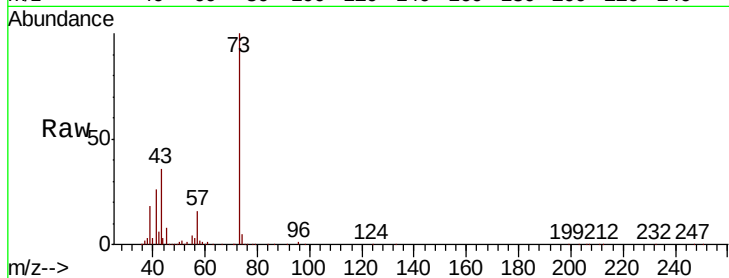
#19
Methyl tert-butyl Ether
Concen: 70.14 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.0	14.3	21.5

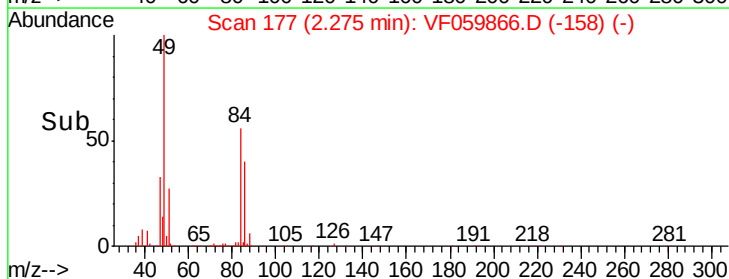
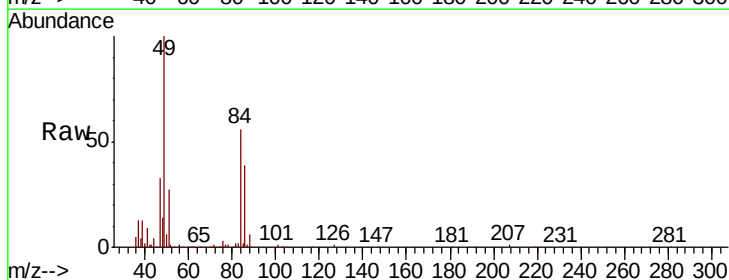
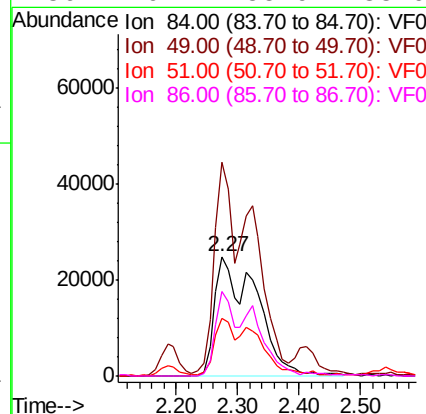
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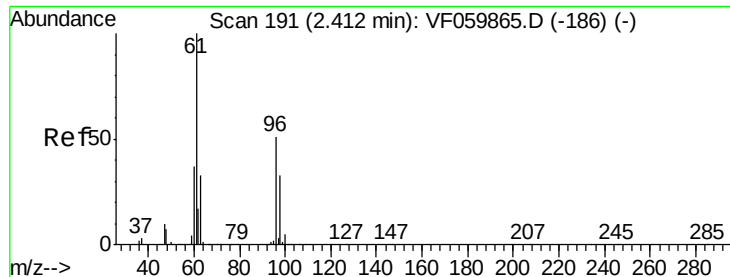
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#20
Methylene Chloride
Concen: 61.54 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	178.9	128.7	193.1
51	48.8	39.3	58.9
86	70.4	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 69.57 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

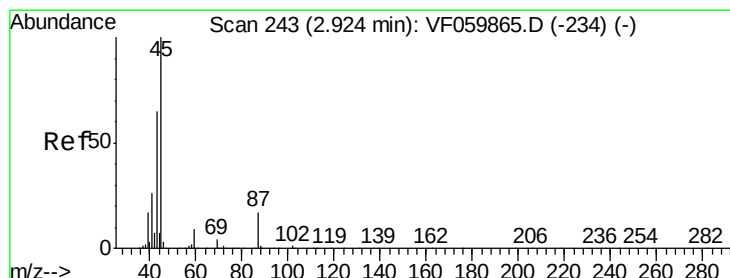
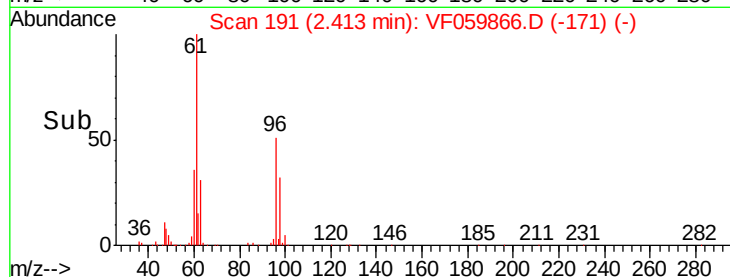
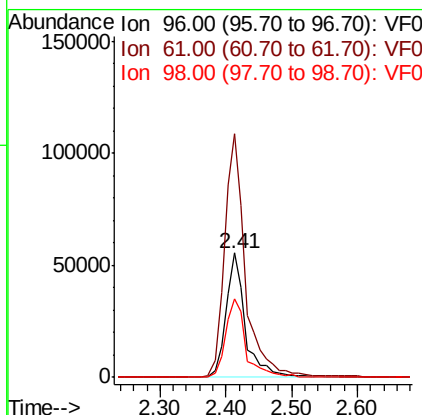
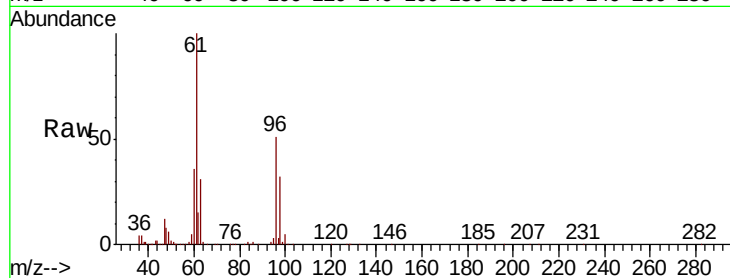
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	115086
Ion Ratio	Lower	Upper	
96	100		
61	196.2	158.2	237.4
98	63.5	52.0	78.0

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#22

Diisopropyl ether

Concen: 73.72 ug/l

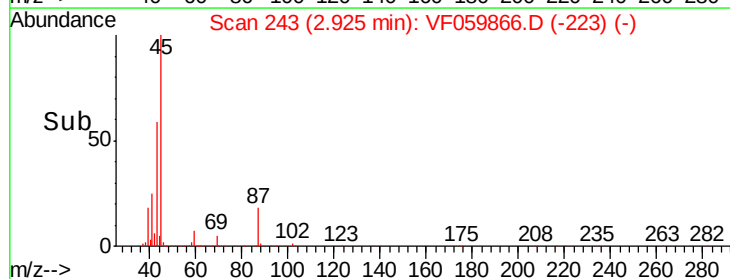
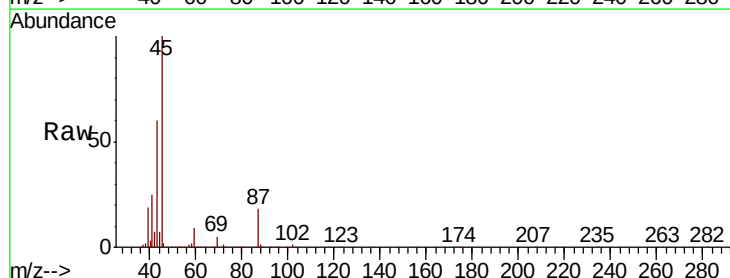
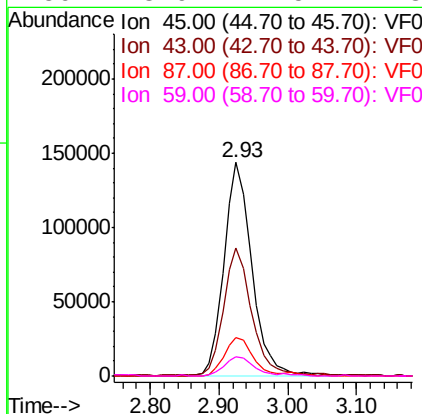
RT: 2.93 min Scan# 243

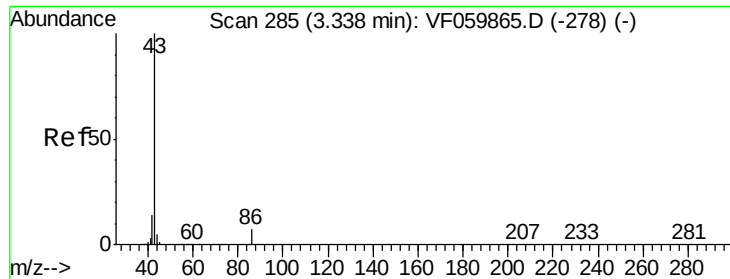
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	45	Resp:	404853
Ion Ratio	Lower	Upper	
45	100		
43	59.7	52.1	78.1
87	17.8	13.8	20.8
59	8.9	7.5	11.3





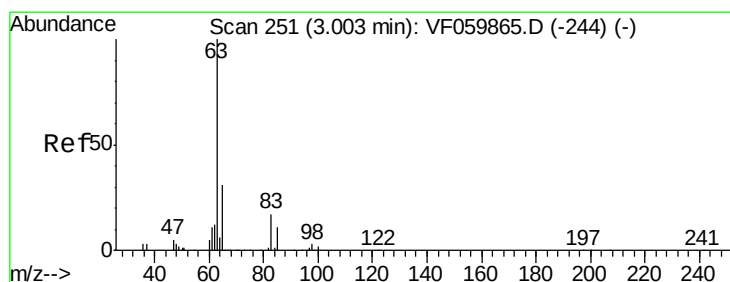
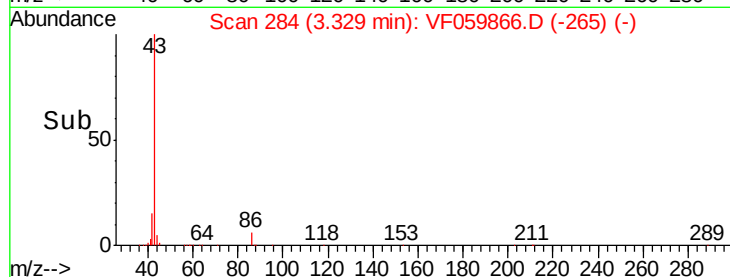
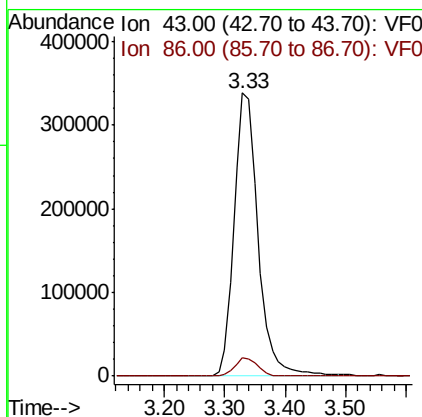
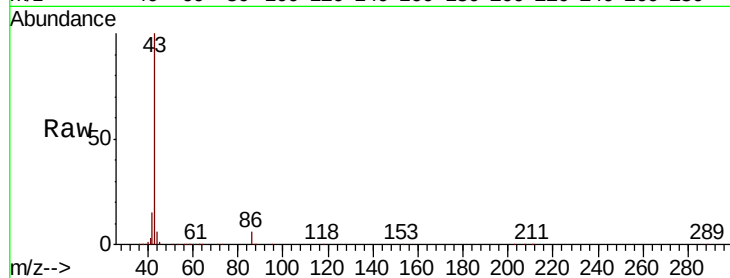
#23
 Vinyl Acetate
 Concen: 333.53 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
43	100	930253		
86	6.5	5.6	8.4	

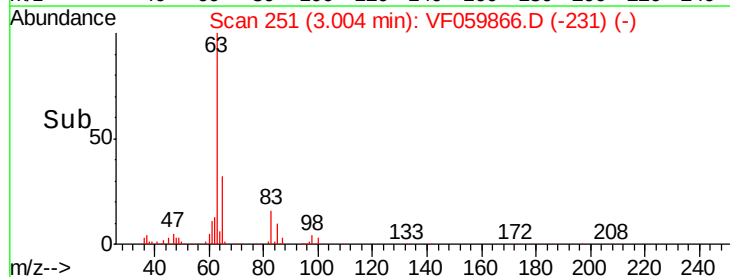
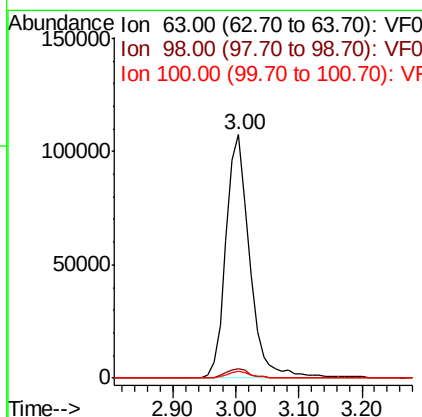
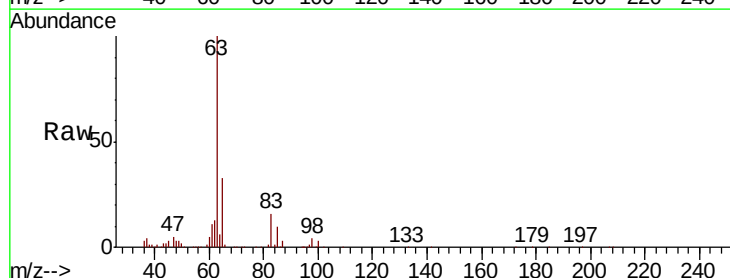
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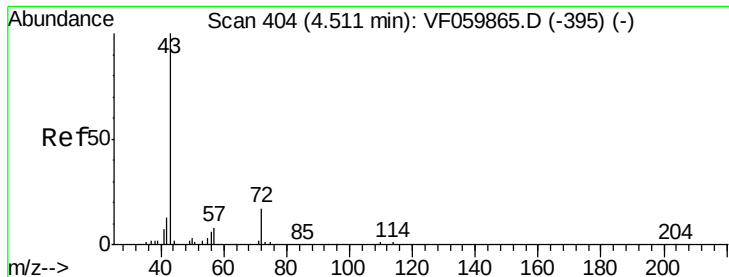
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#24
 1,1-Dichloroethane
 Concen: 72.92 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	280748		
98	3.9	1.9	5.7	
100	2.6	1.1	3.5	





#25

2-Butanone

Concen: 357.97 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 257114

Ion Ratio Lower Upper

43 100

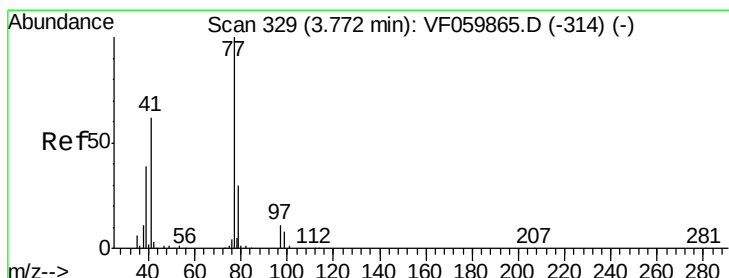
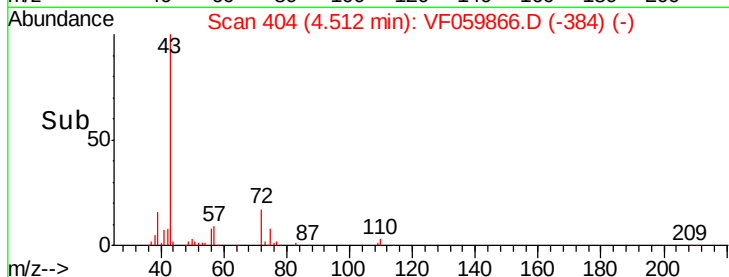
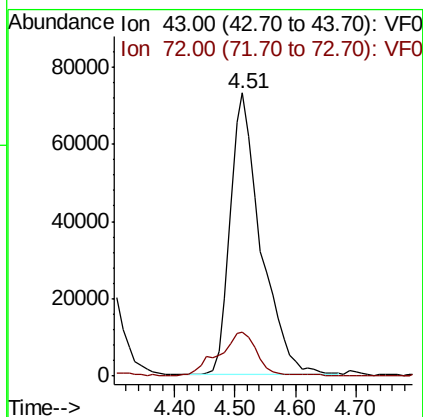
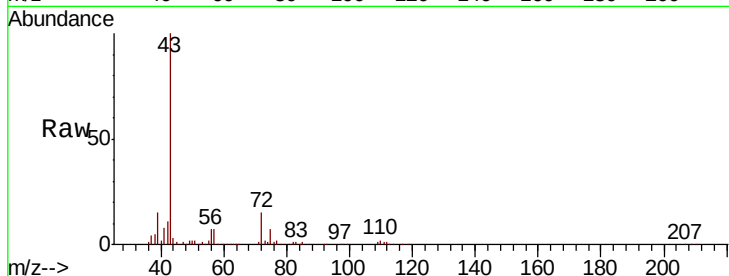
72 15.3 13.9 20.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 61.07 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059866.D

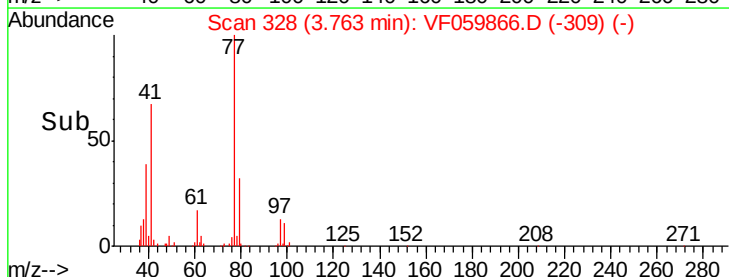
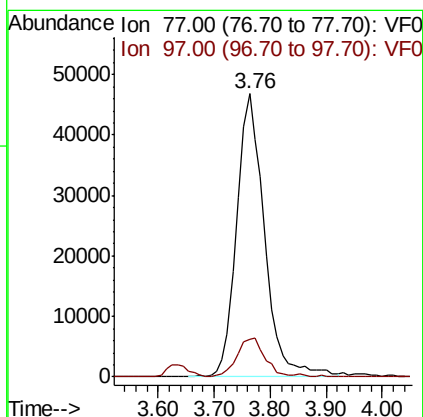
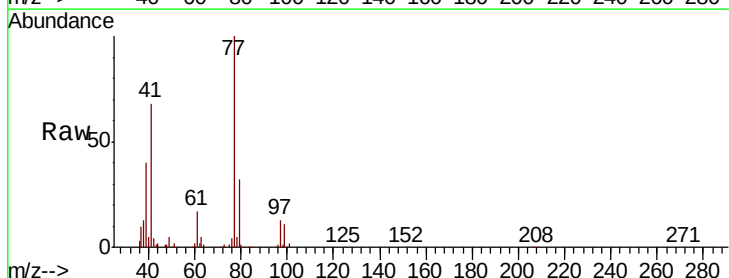
Acq: 4 Aug 2018 5:12

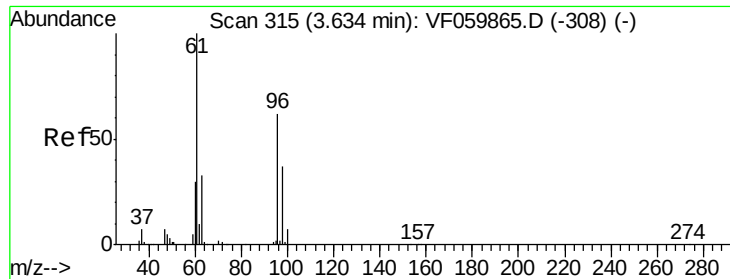
Tgt Ion: 77 Resp: 161877

Ion Ratio Lower Upper

77 100

97 13.5 6.8 20.3





#27

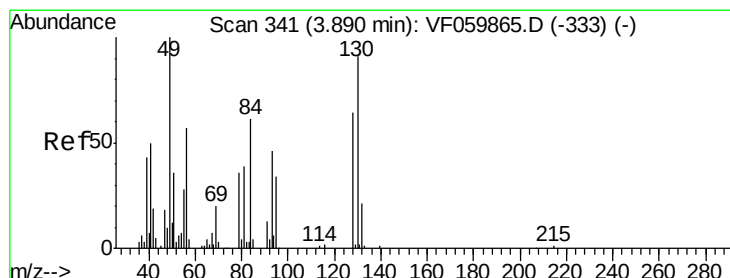
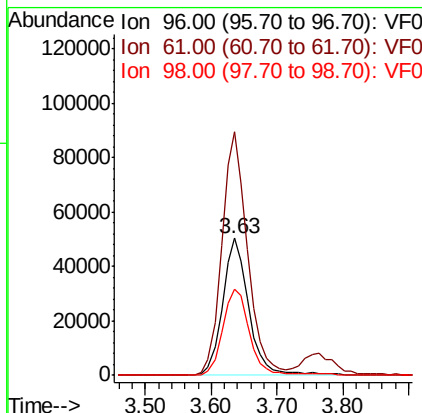
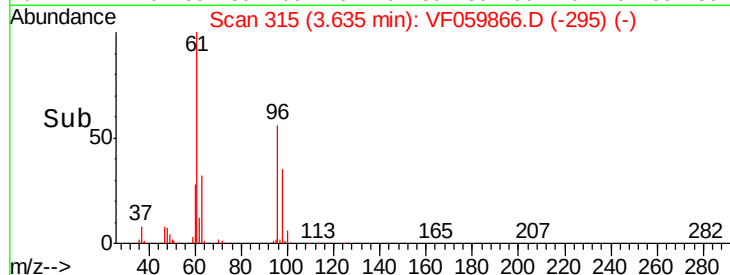
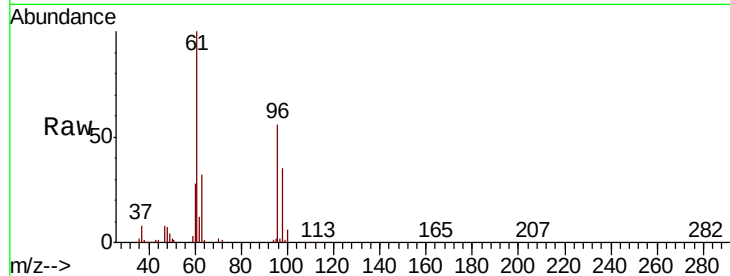
cis-1,2-Dichloroethene
Concen: 68.57 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139100		
61	177.4	0.0	320.8	
98	62.4	0.0	117.6	

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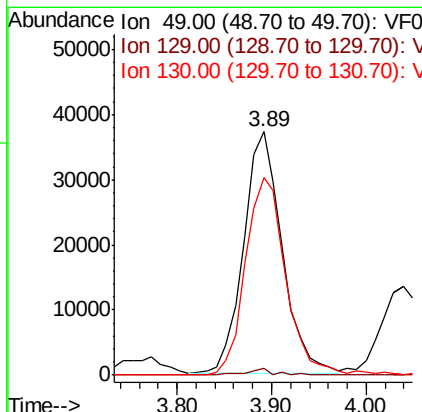
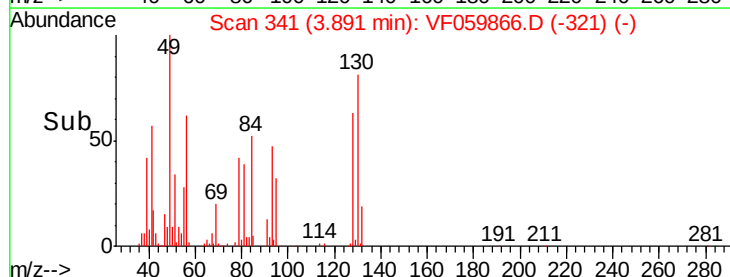
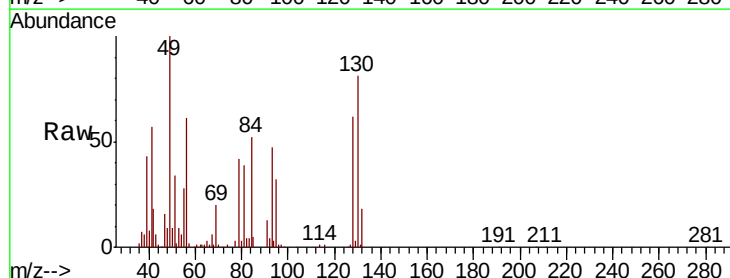
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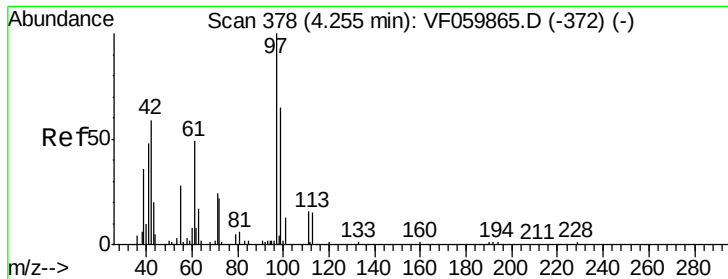


#28

Bromochloromethane
Concen: 70.16 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104827		
129	3.1	0.0	4.6	
130	81.0	73.8	110.8	





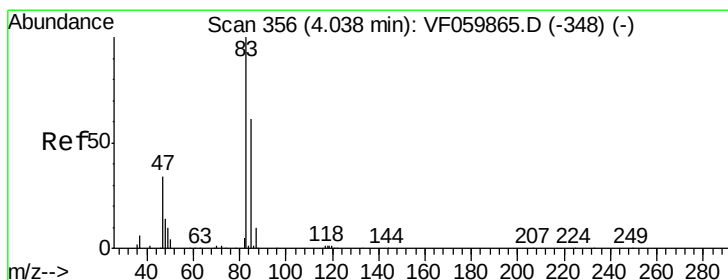
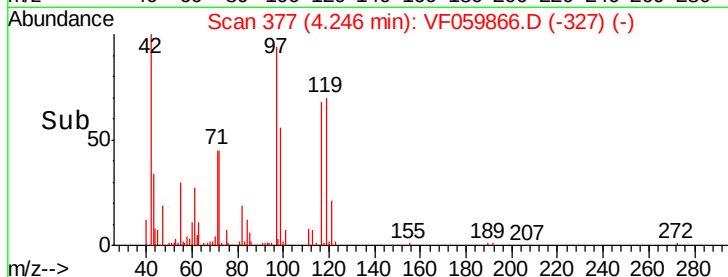
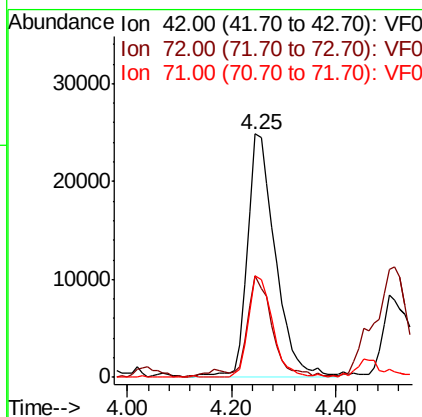
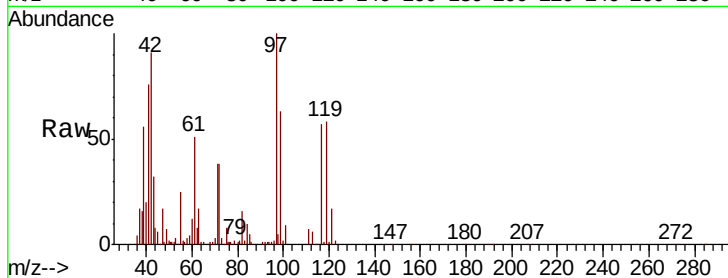
#29
Tetrahydrofuran
Concen: 310.23 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	29.3	43.9
71	36.5	30.0	45.0

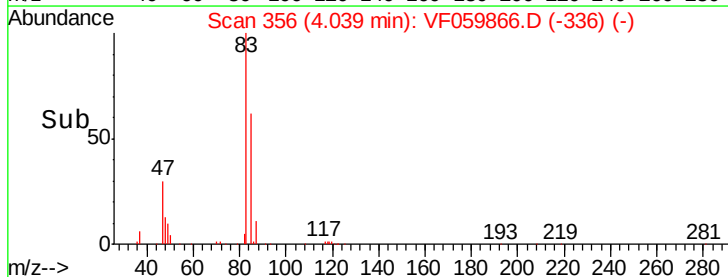
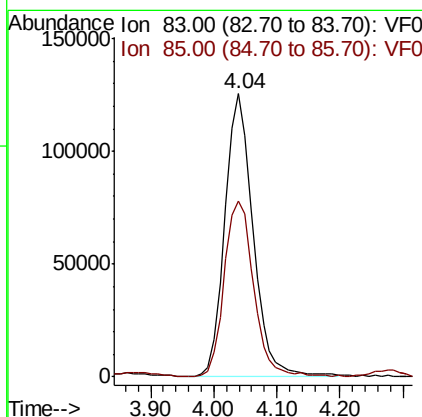
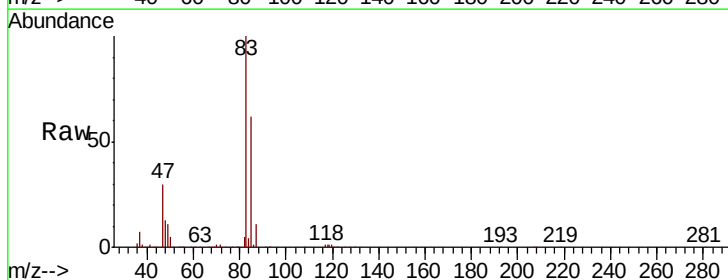
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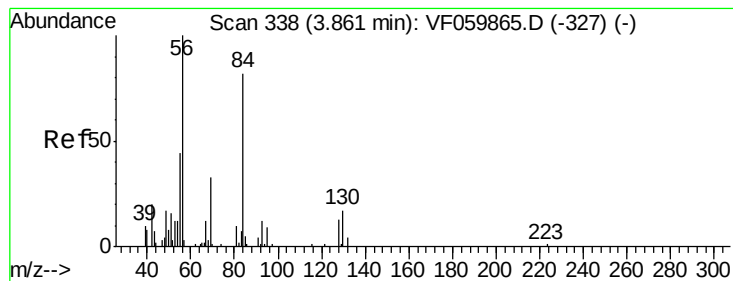
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#30
Chloroform
Concen: 72.36 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.3	73.9





#31

Cyclohexane

Concen: 73.06 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

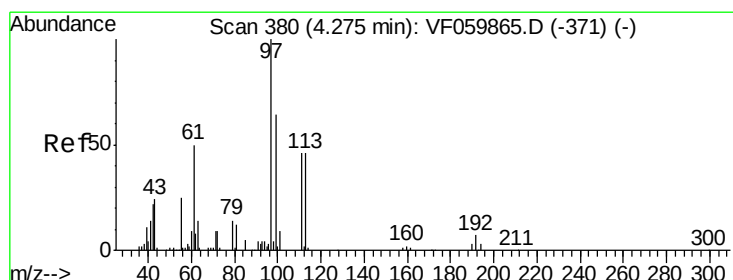
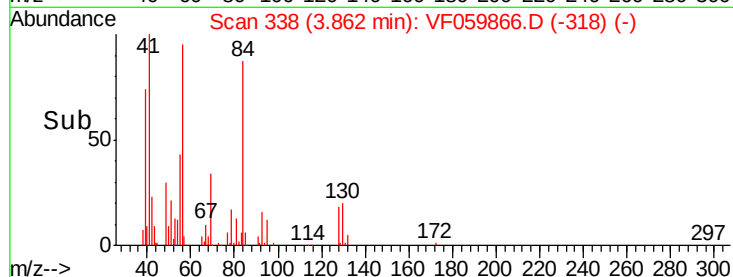
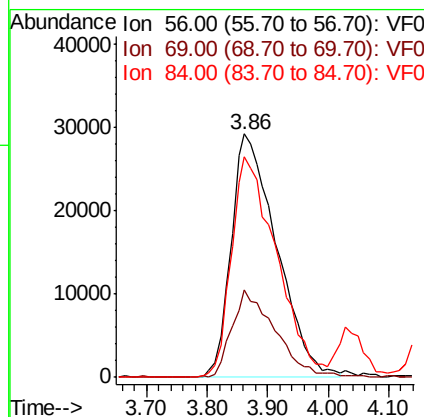
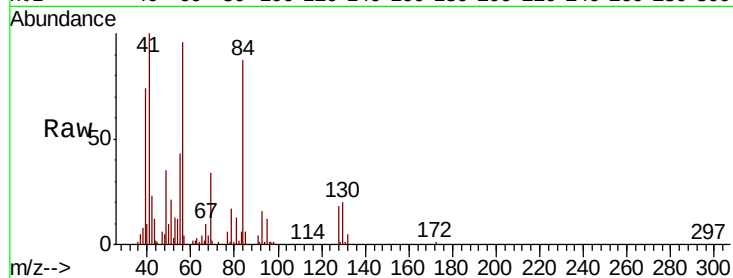
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	152527
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.7	40.1
84	90.6	65.9	98.9

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#32

1,1,1-Trichloroethane

Concen: 71.66 ug/l

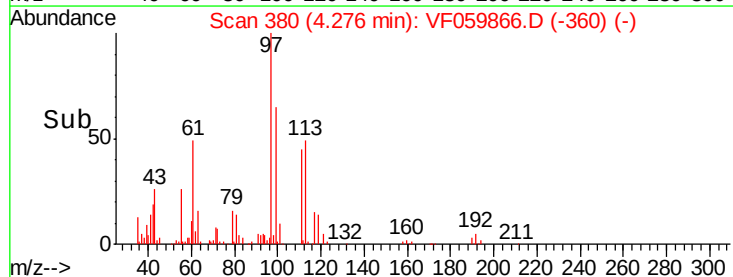
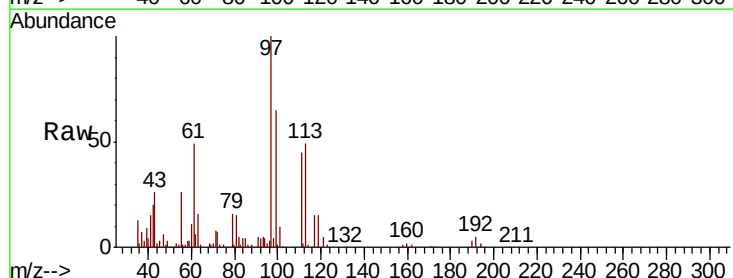
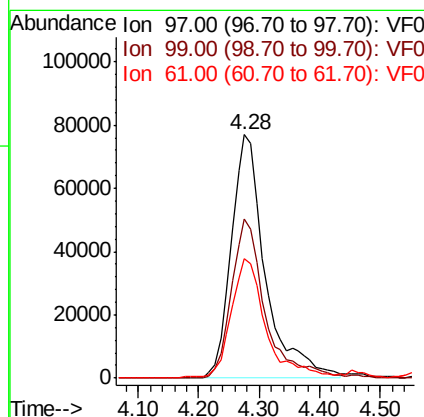
RT: 4.28 min Scan# 380

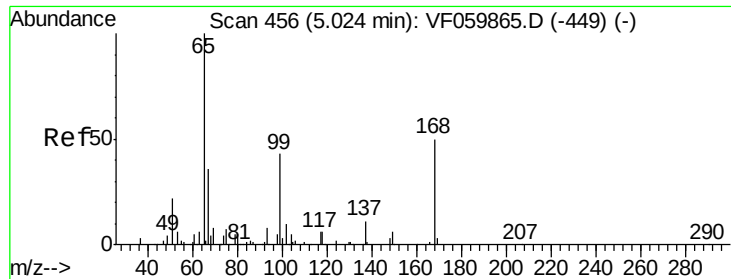
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	97	Resp:	301692
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.4	77.2
61	48.9	40.8	61.2





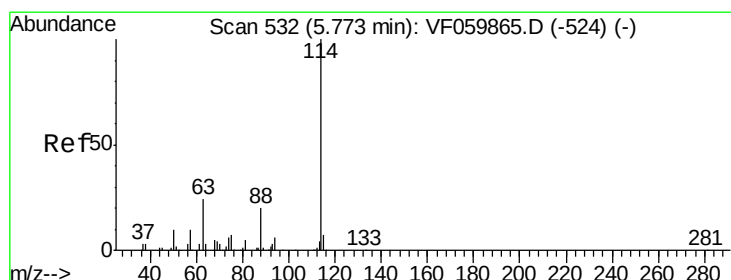
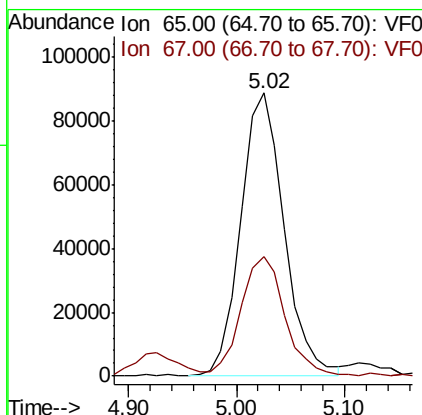
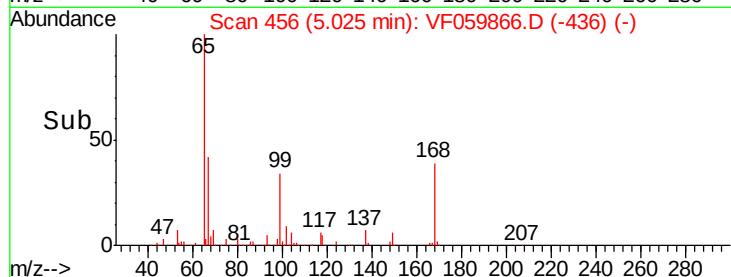
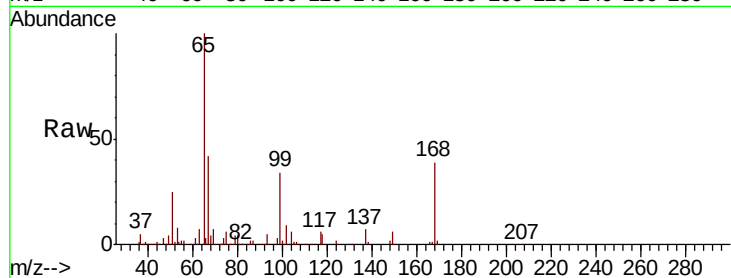
#33
 1,2-Dichloroethane-d4
 Concen: 66.98 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	248886		
67	42.4	0.0	77.2	

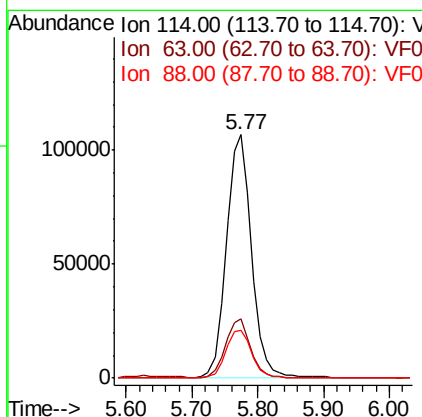
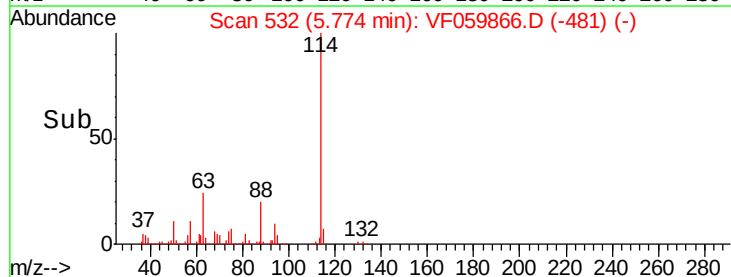
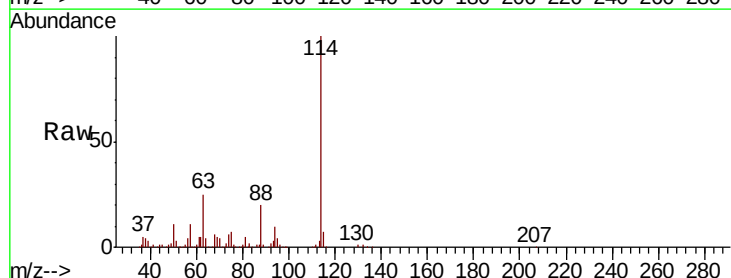
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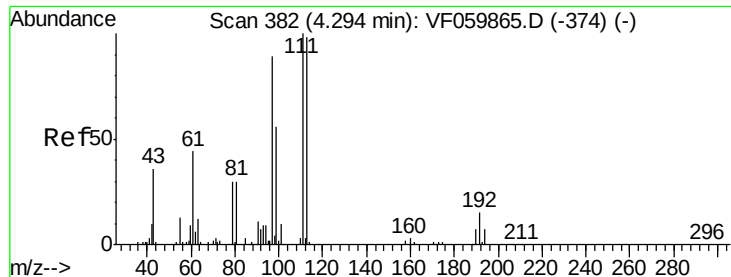
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286836		
63	24.6	0.0	48.0	
88	19.6	0.0	39.4	





#35

Dibromofluoromethane

Concen: 65.19 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

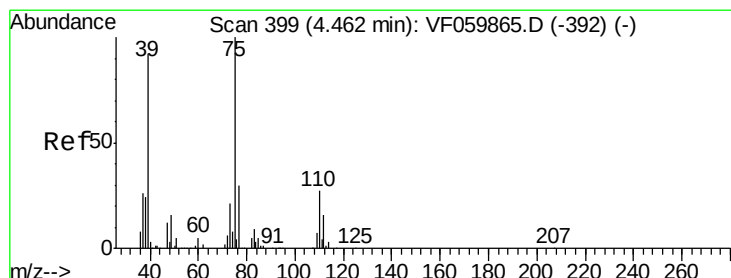
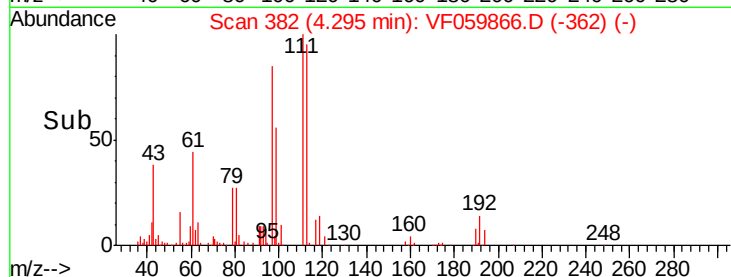
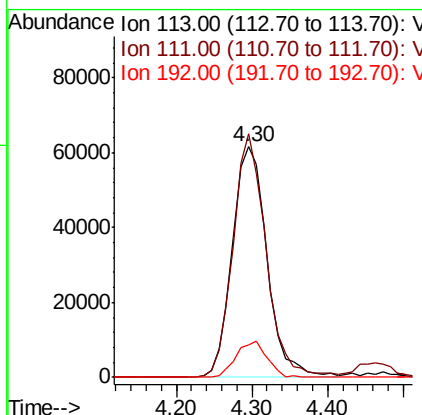
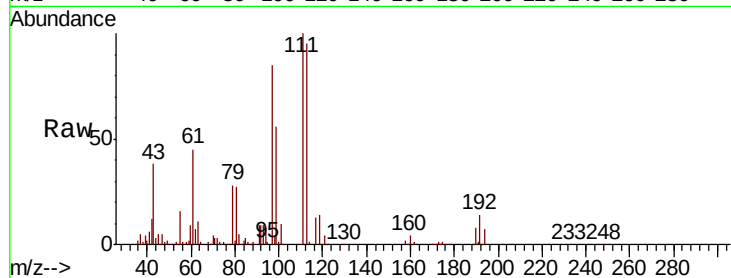
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	195601
Ion Ratio	Lower	Upper	
113	100		
111	105.5	81.8	122.8
192	14.3	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 70.61 ug/l

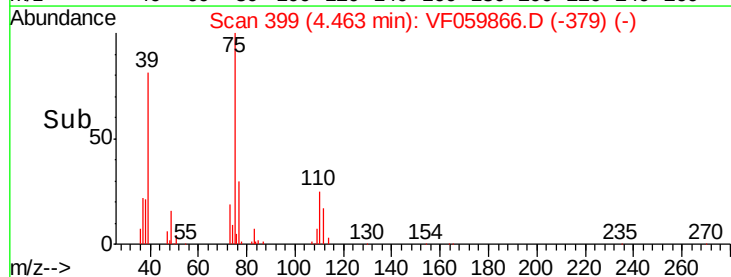
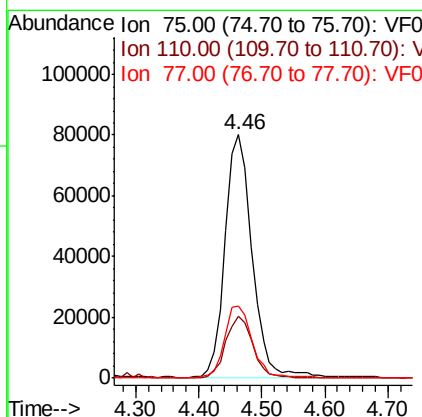
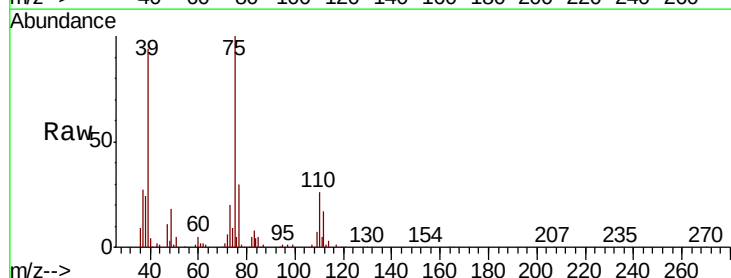
RT: 4.46 min Scan# 399

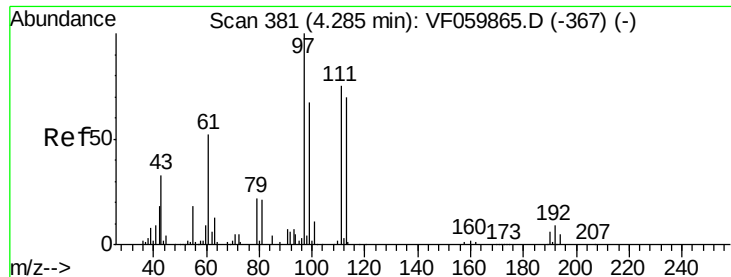
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	75	Resp:	240964
Ion Ratio	Lower	Upper	
75	100		
110	25.6	13.6	40.7
77	29.8	23.7	35.5





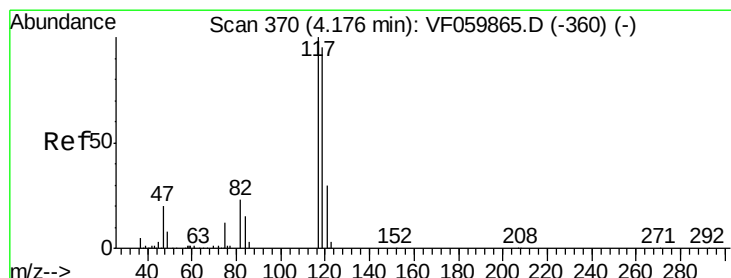
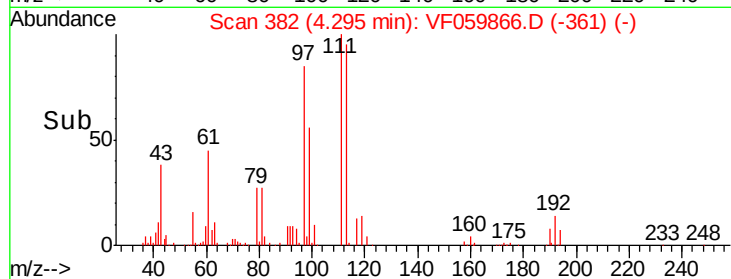
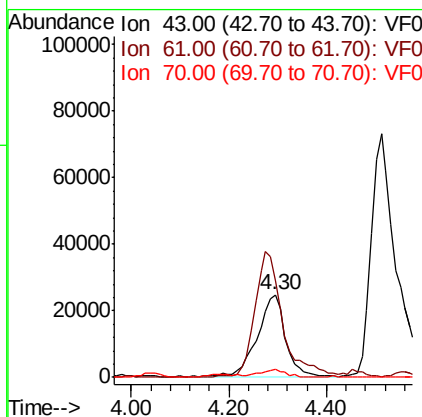
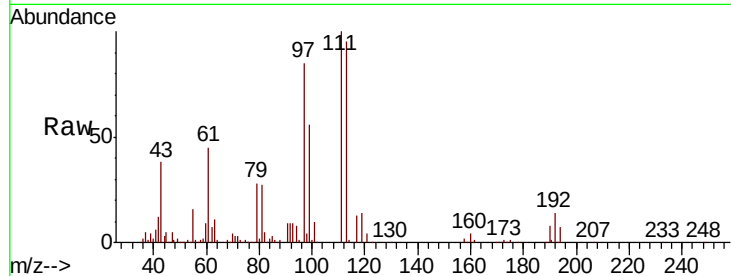
#37
Ethyl Acetate
Concen: 59.27 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	117.0	123.7	185.5#
70	9.2	7.8	11.8

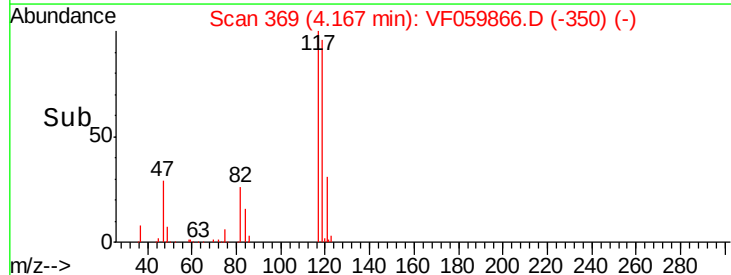
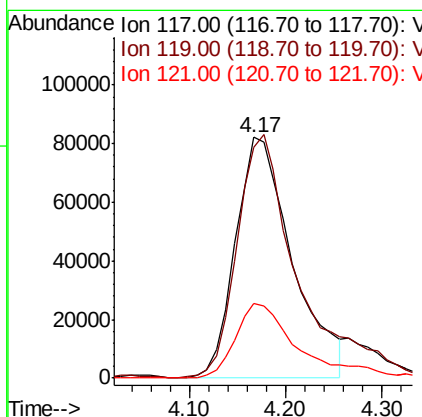
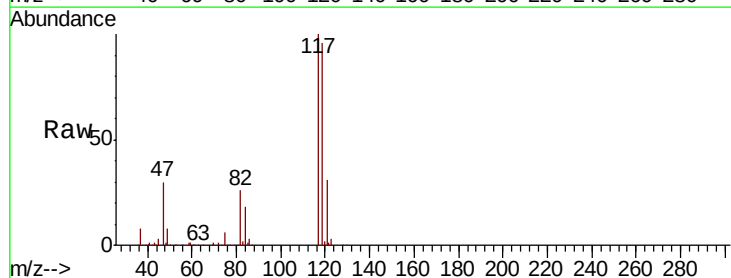
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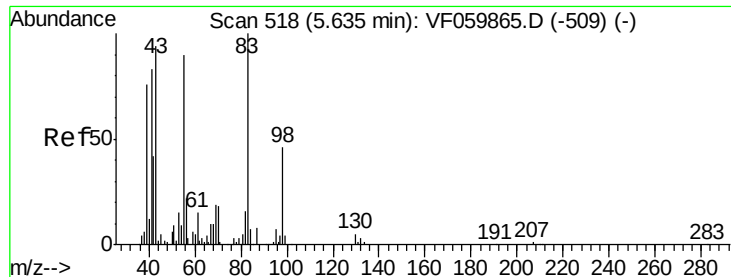
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#38
Carbon Tetrachloride
Concen: 72.16 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
121	30.5	23.8	35.8





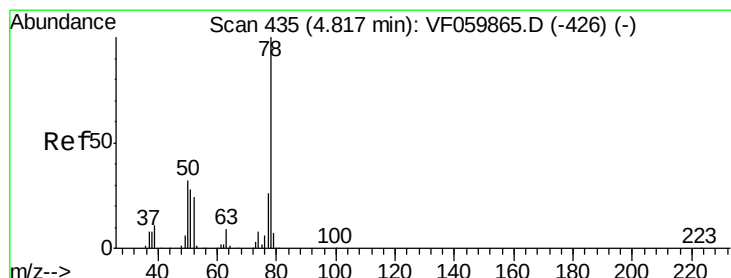
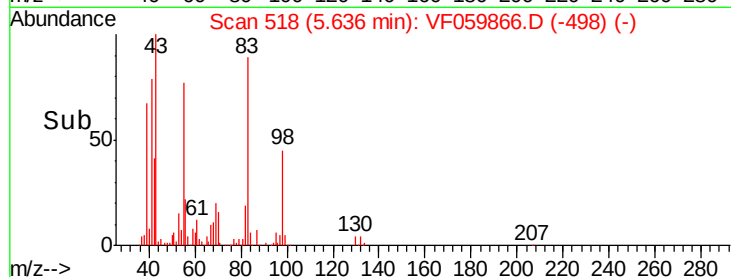
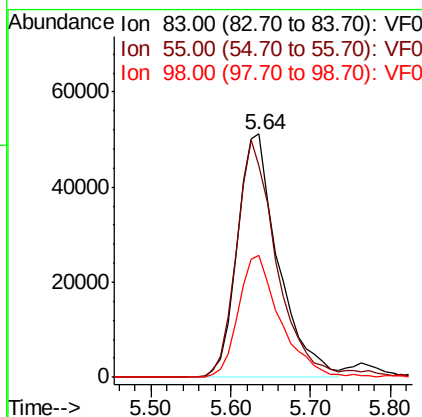
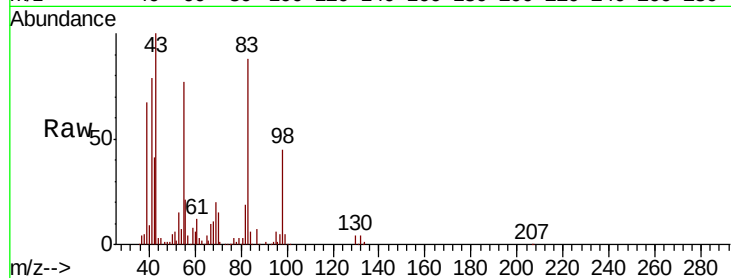
#39
Methylvlcyclohexane
Concen: 70.55 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	72.0	108.0
98	50.3	36.6	54.8

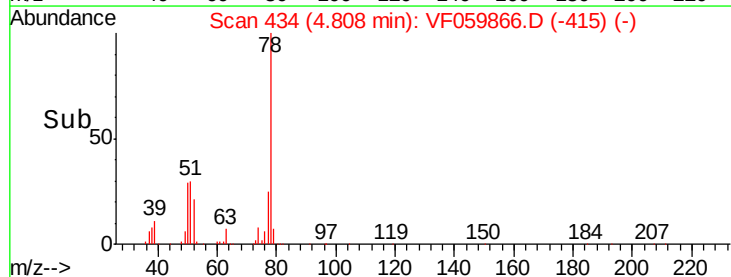
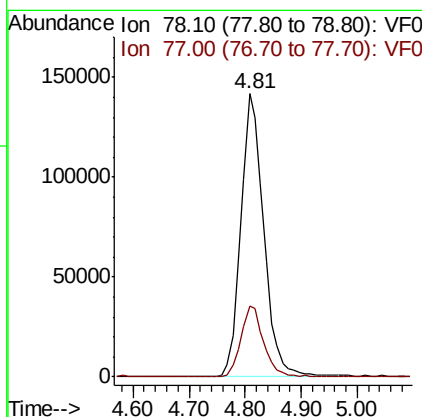
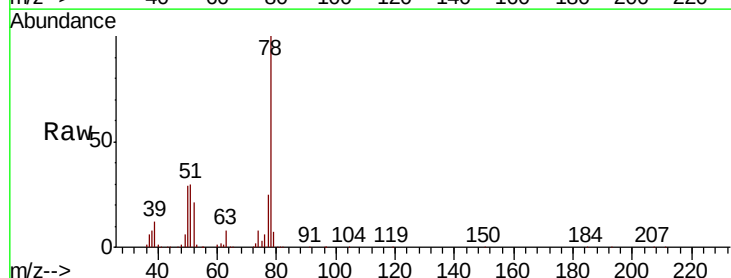
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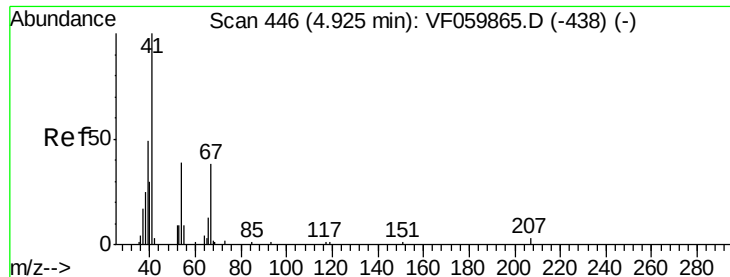
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#40
Benzene
Concen: 67.85 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.7	31.1





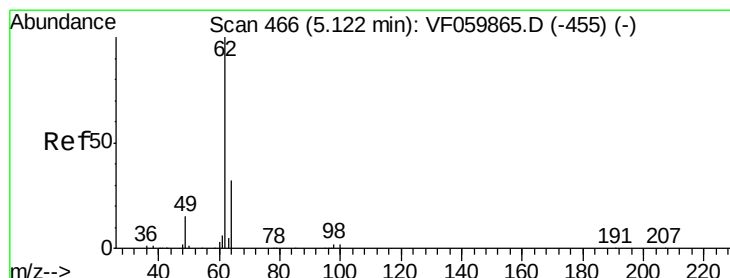
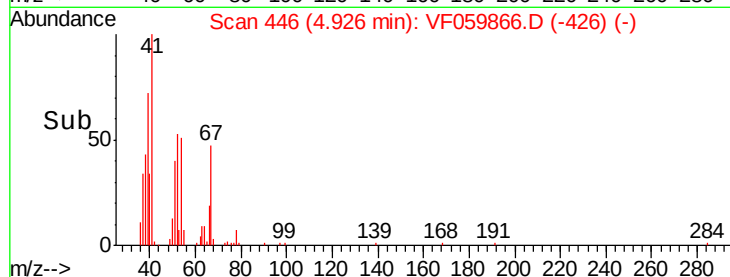
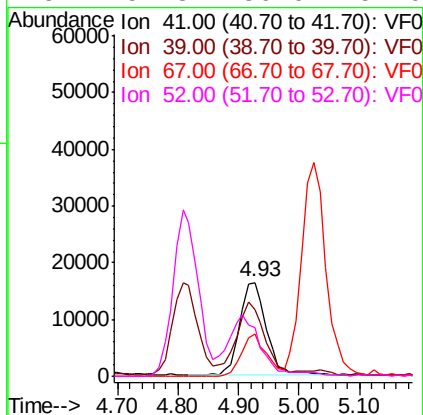
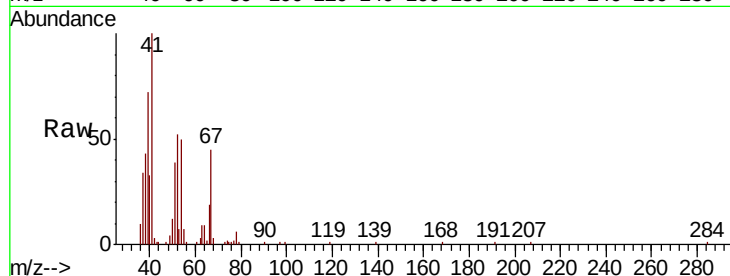
#41
Methacrylonitrile
Concen: 62.82 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.5	55.1	82.7
67	45.3	30.3	45.5
52	51.8	36.0	54.0

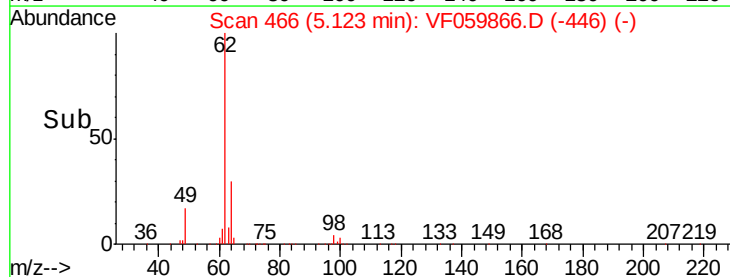
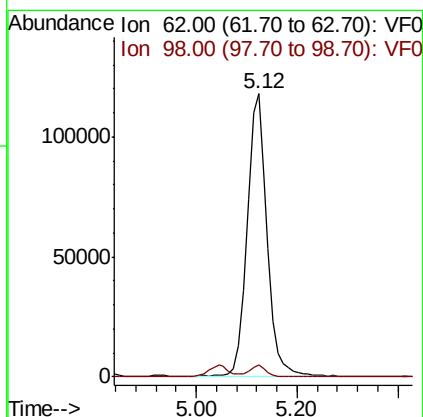
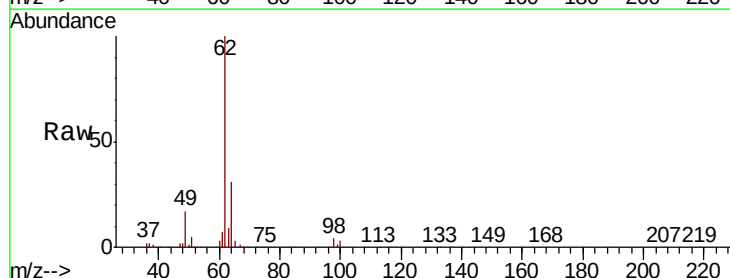
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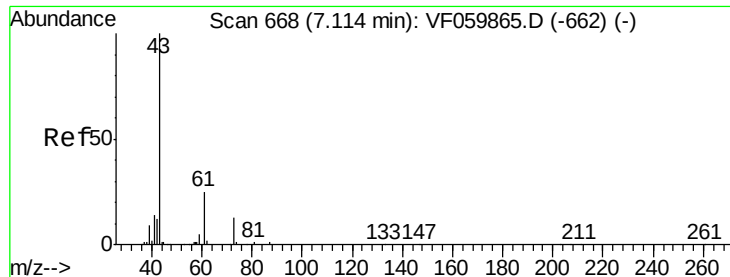
apatel
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#42
1,2-Dichloroethane
Concen: 76.65 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	7.6





#43

Isopropyl Acetate

Concen: 63.50 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

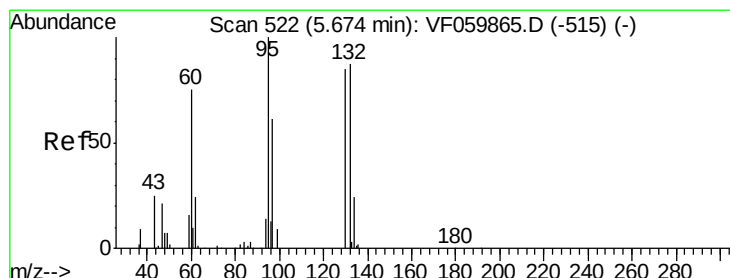
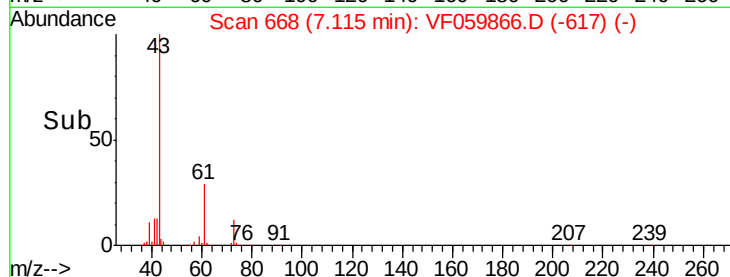
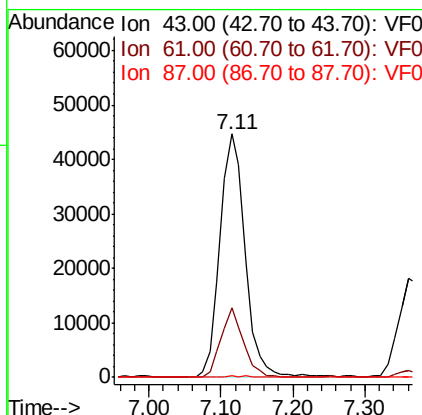
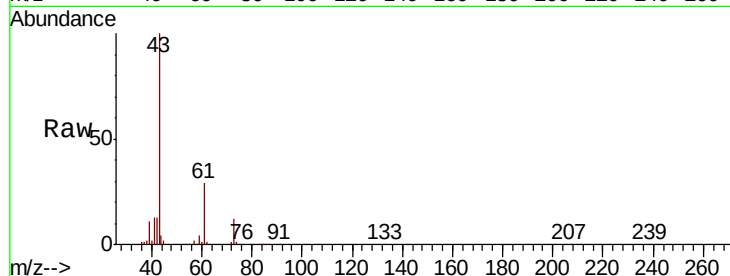
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	108082
Ion Ratio		Lower	Upper
43	100		
61	28.7	20.3	30.5
87	0.4	0.7	1.1#

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#44

Trichloroethene

Concen: 67.27 ug/l

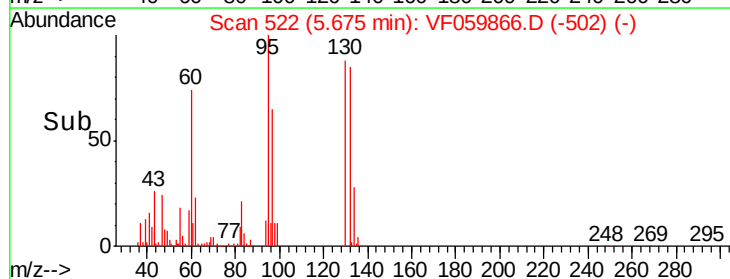
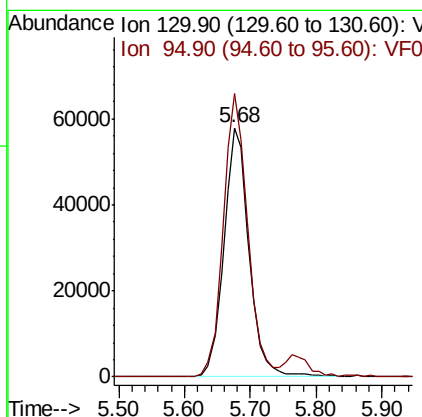
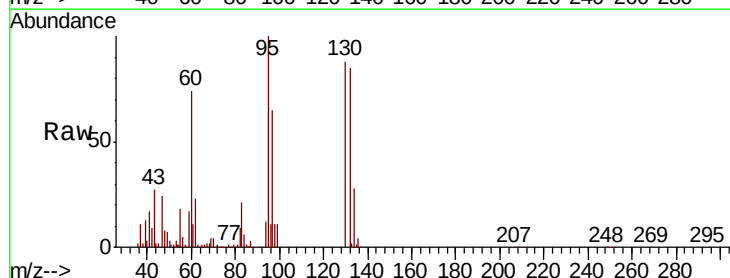
RT: 5.68 min Scan# 522

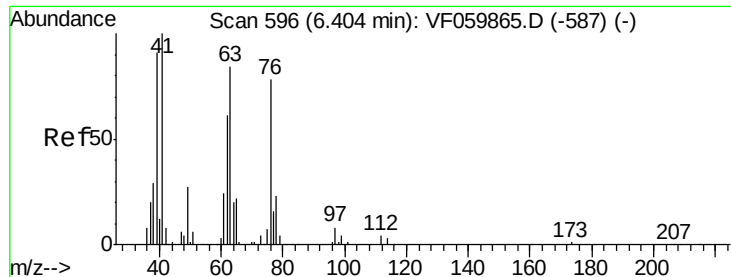
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	130	Resp:	154473
Ion Ratio		Lower	Upper
130	100		
95	113.6	0.0	236.8





#45

1,2-Dichloropropane

Concen: 72.62 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 112979

Ion Ratio Lower Upper

63 100

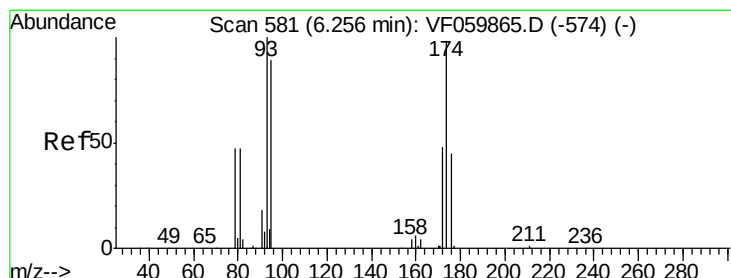
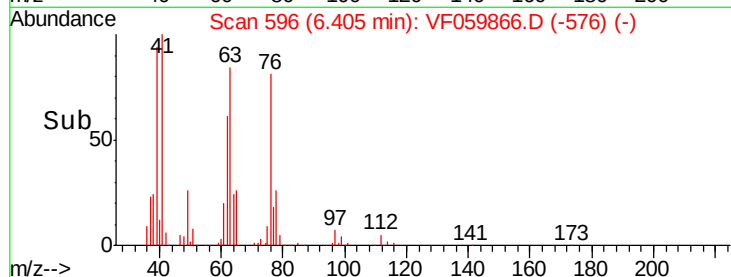
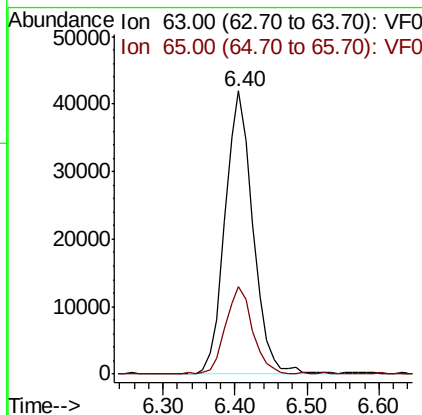
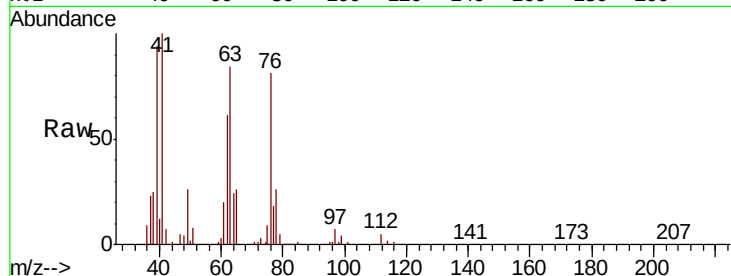
65 30.8 20.4 30.6#

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#46

Dibromomethane

Concen: 71.42 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

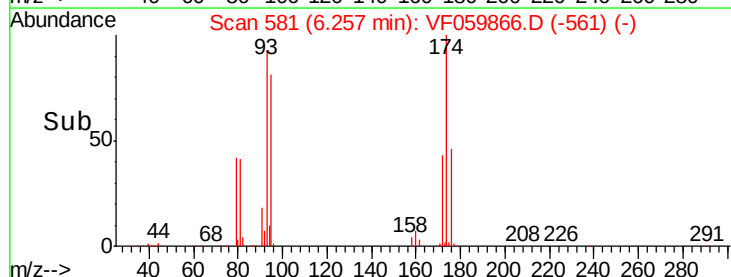
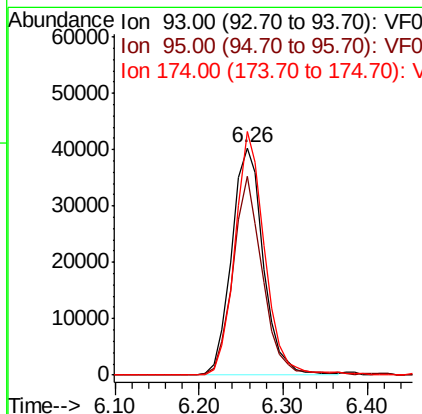
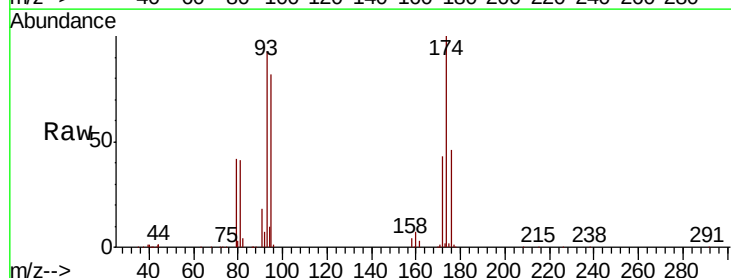
Tgt Ion: 93 Resp: 105815

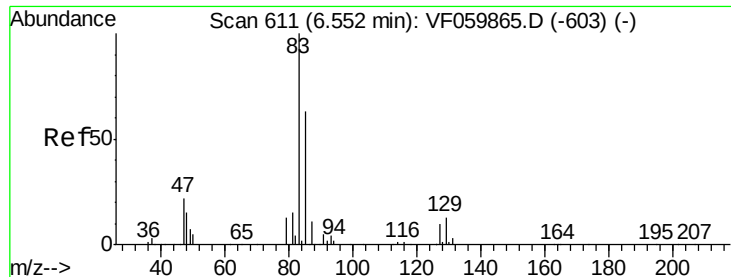
Ion Ratio Lower Upper

93 100

95 88.5 71.4 107.2

174 107.1 78.1 117.1





#47

Bromodichloromethane

Concen: 74.30 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

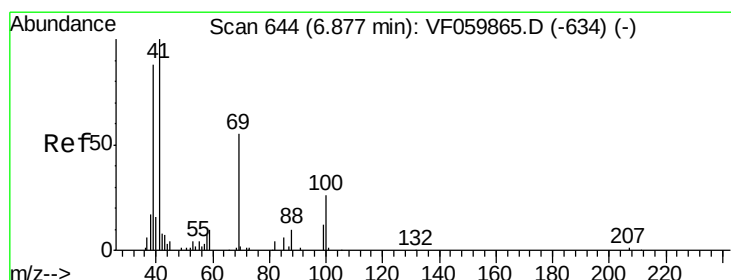
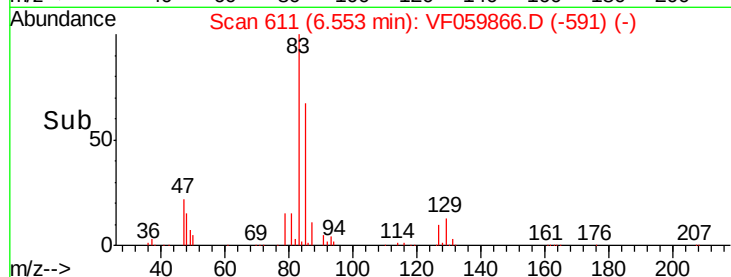
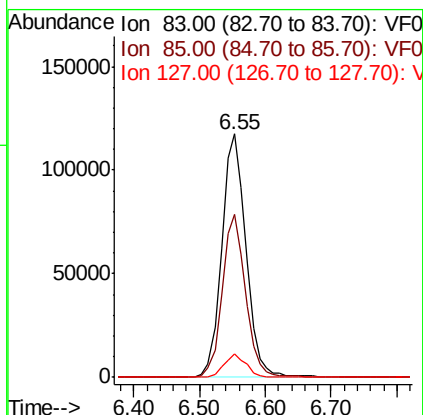
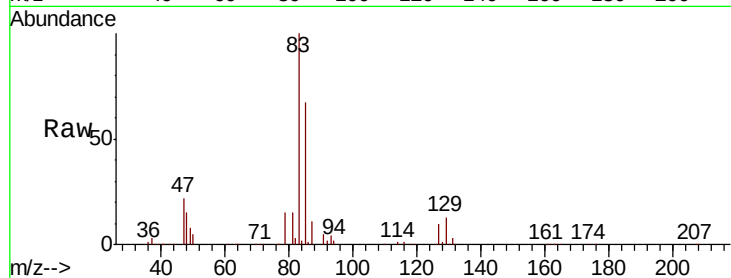
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	301786
Ion Ratio	Lower	Upper	
83	100		
85	66.9	50.7	76.1
127	9.8	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 70.68 ug/l

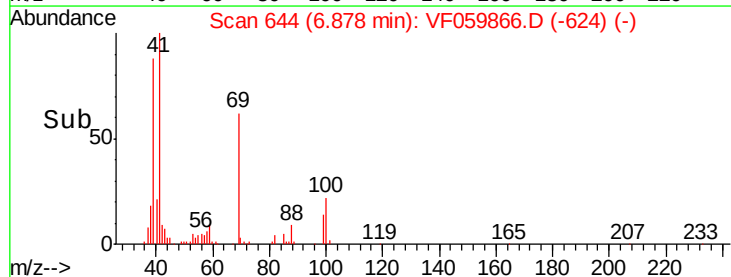
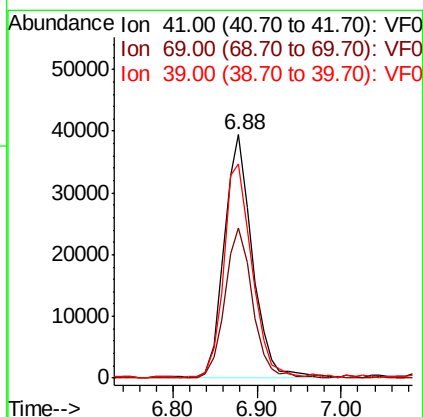
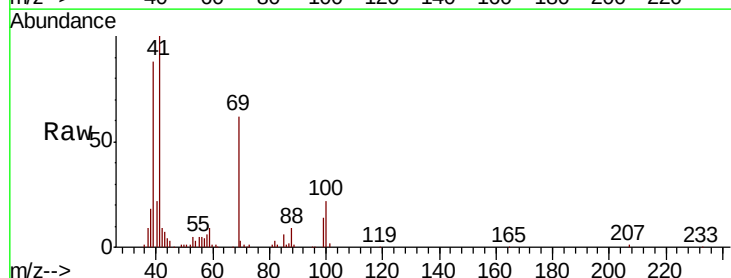
RT: 6.88 min Scan# 644

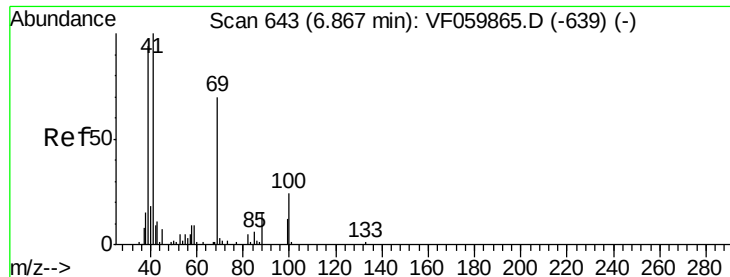
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	41	Resp:	91068
Ion Ratio	Lower	Upper	
41	100		
69	61.6	44.4	66.6
39	87.9	70.6	106.0





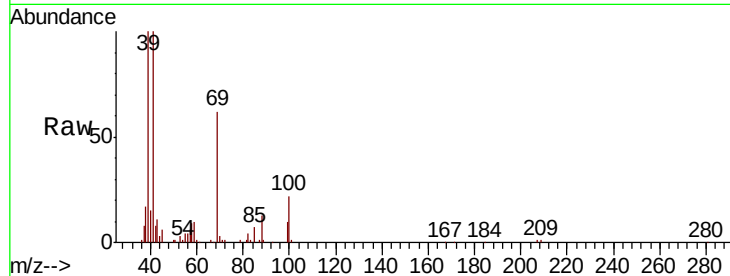
#49
1,4-Dioxane
Concen: 1180.79 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	81.4	58.3	87.5	
58	65.1	49.4	74.2	

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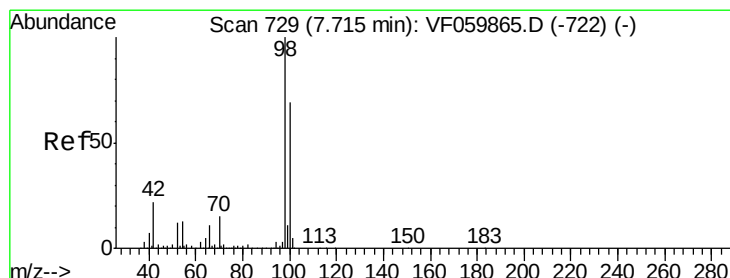
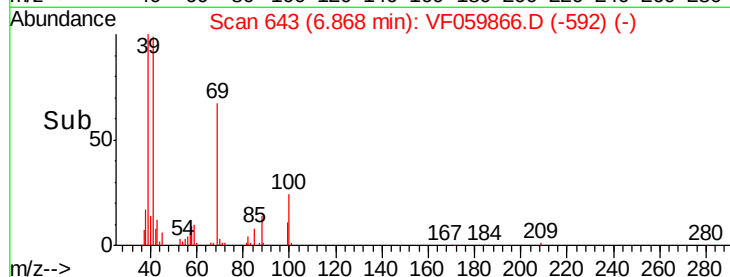
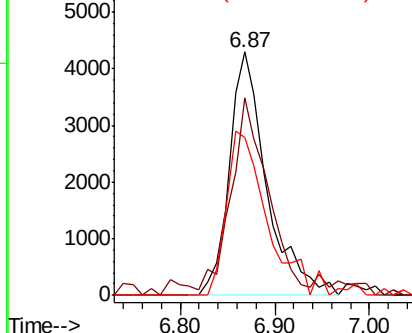


Abundance

Ion 88.00 (87.70 to 88.70): VF0

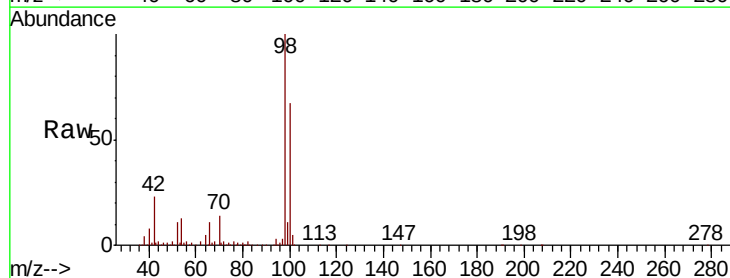
Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50
Toluene-d8
Concen: 63.12 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

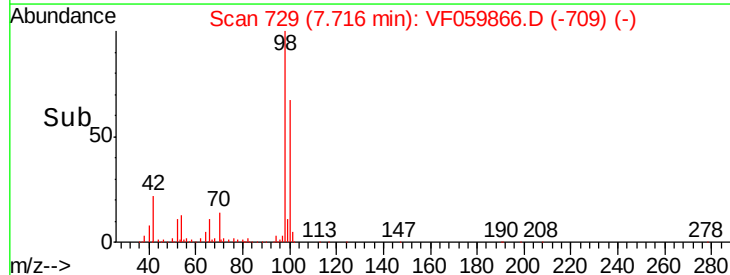
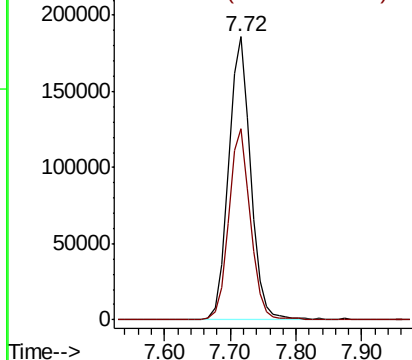
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.5	55.0	82.6	

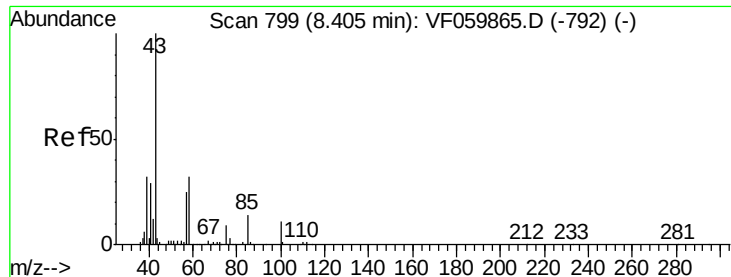


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 390.48 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 528541

Ion Ratio Lower Upper

43 100

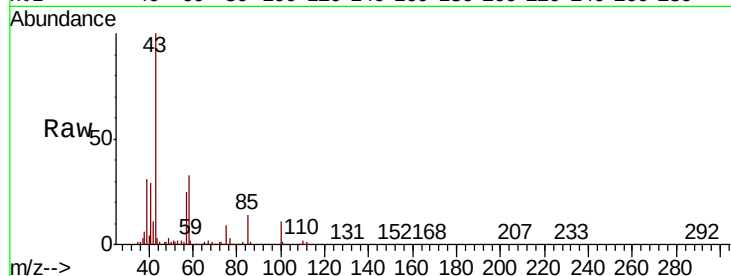
58 33.3 25.4 38.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

250000

200000

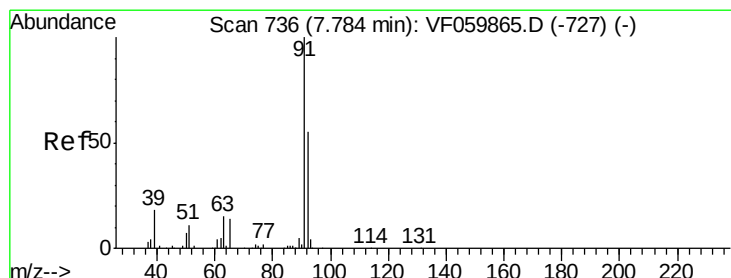
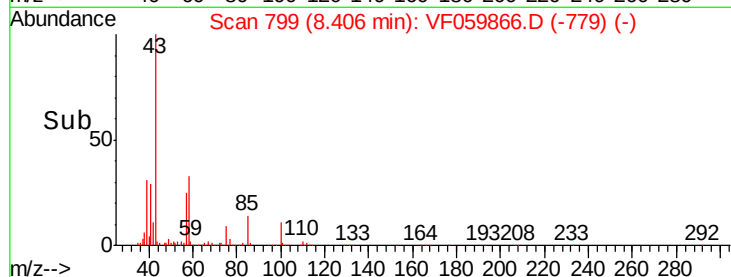
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 70.46 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059866.D

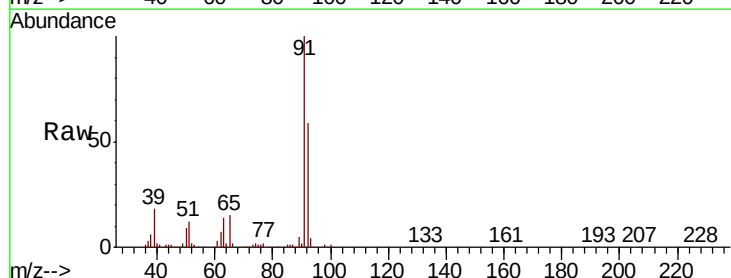
Acq: 4 Aug 2018 5:12

Tgt Ion: 92 Resp: 309703

Ion Ratio Lower Upper

92 100

91 170.3 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

250000

200000

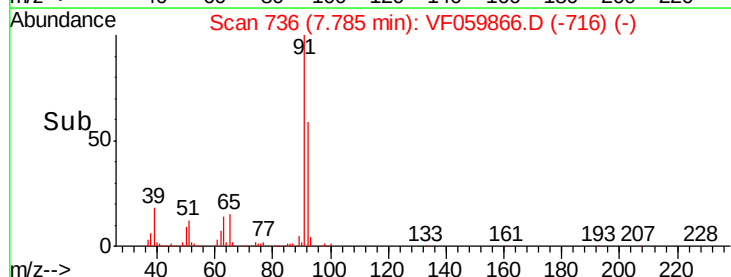
150000

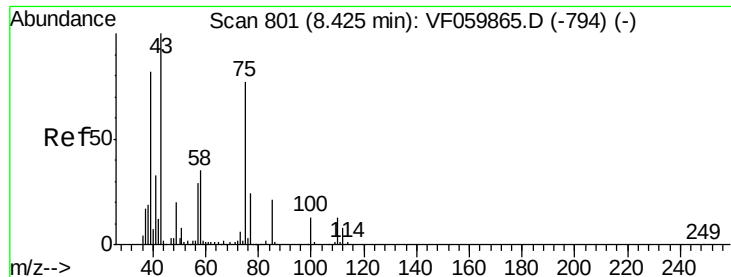
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 66.75 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 230436

Ion Ratio Lower Upper

75 100

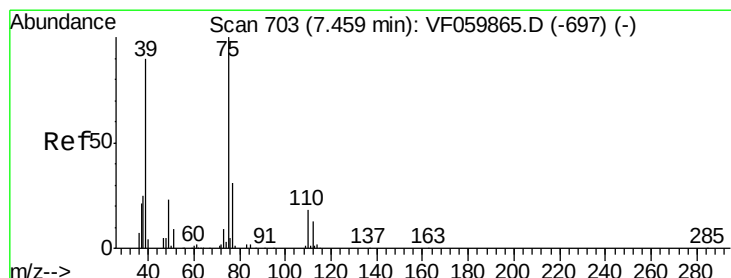
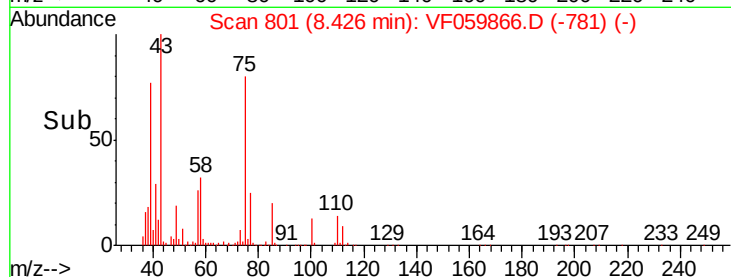
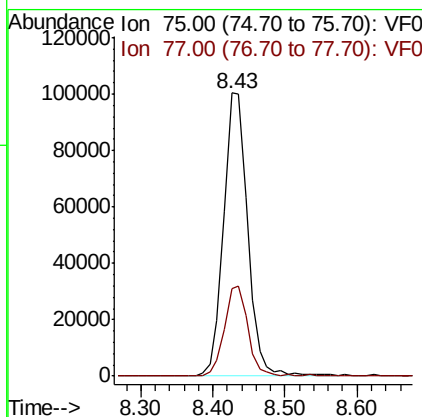
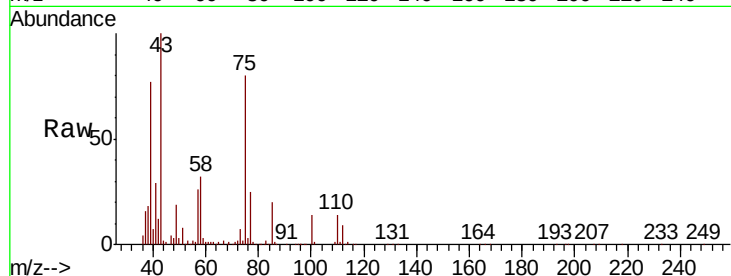
77 31.0 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 73.56 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

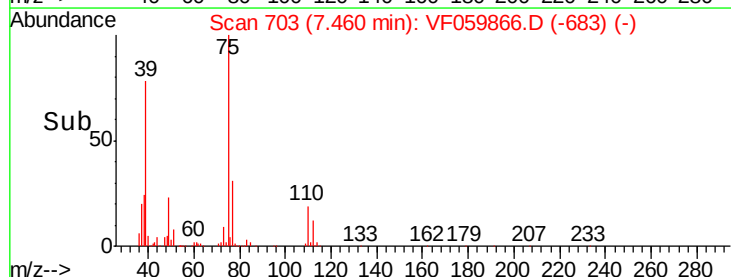
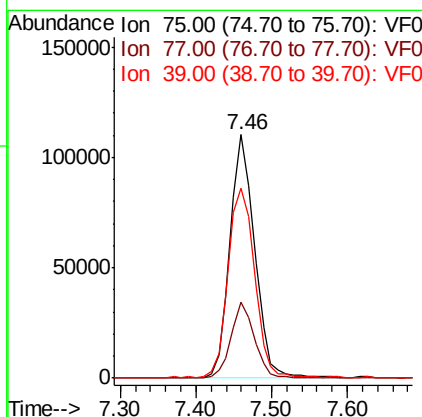
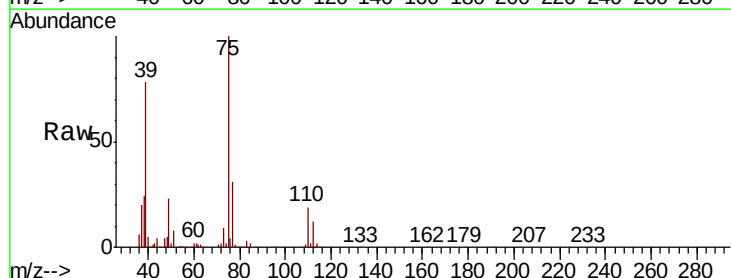
Tgt Ion: 75 Resp: 248660

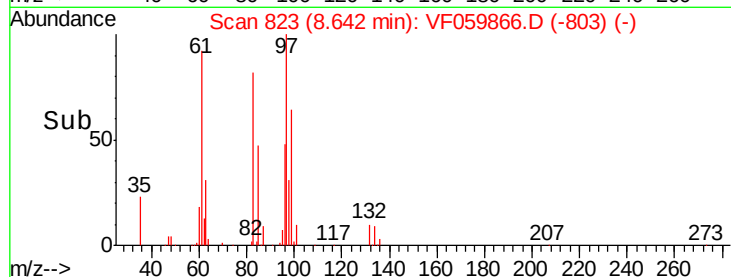
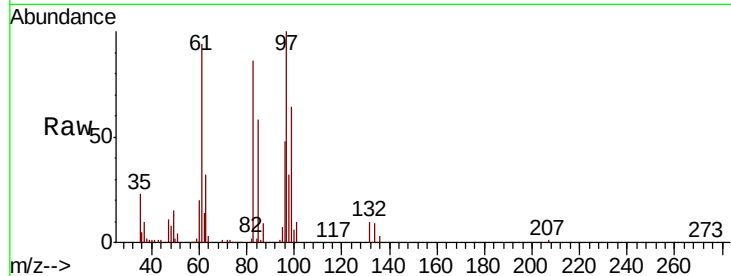
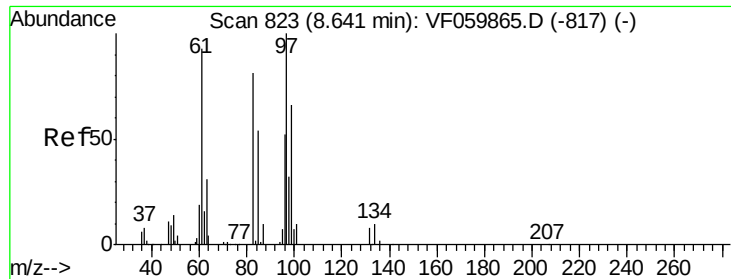
Ion Ratio Lower Upper

75 100

77 31.1 24.7 37.1

39 78.2 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 68.60 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059866.D

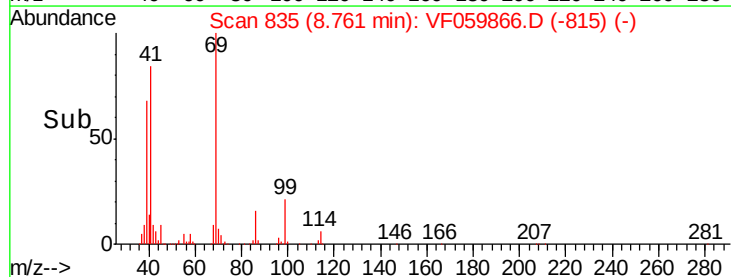
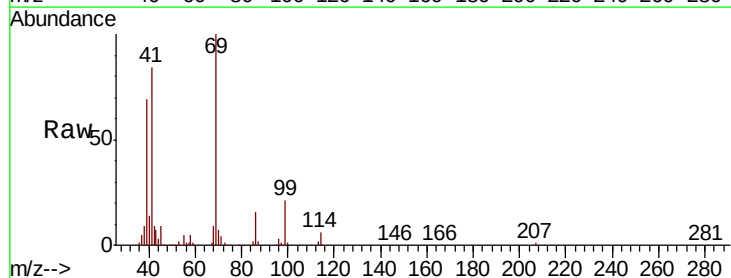
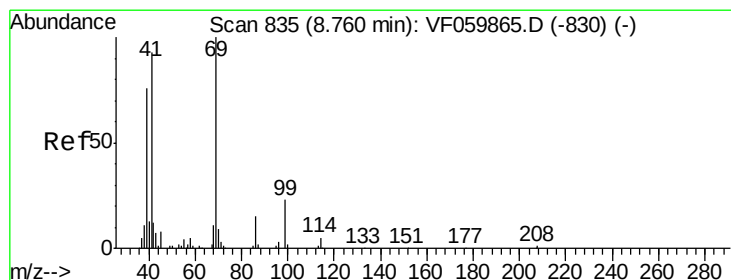
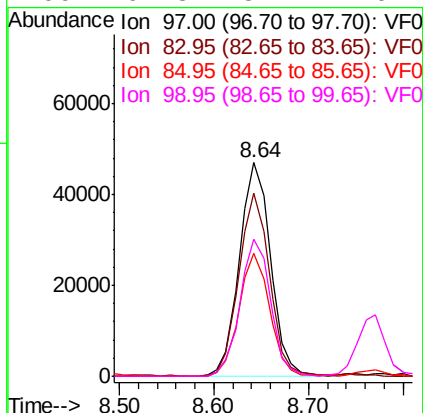
Acq: 4 Aug 2018 5:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108017		
83	85.9	64.4	96.6		
85	57.6	43.1	64.7		
99	64.3	52.7	79.1		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

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#56

Ethyl methacrylate

Concen: 73.08 ug/l

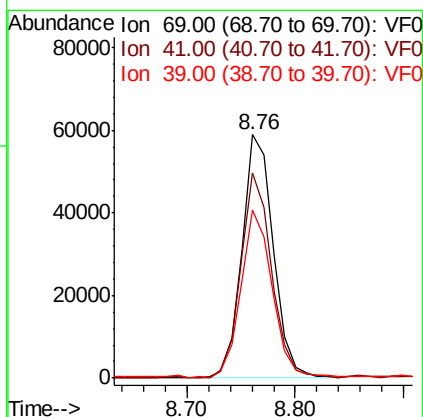
RT: 8.76 min Scan# 835

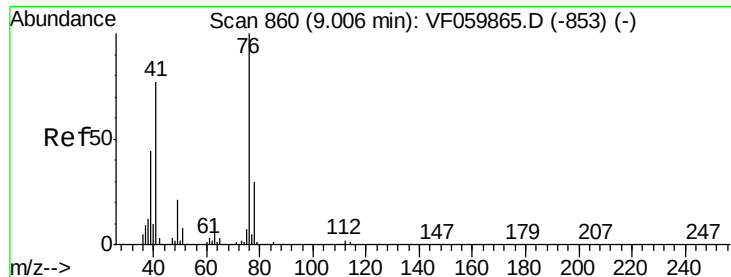
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		119047		
41	84.2	74.7	112.1		
39	69.0	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 68.60 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 187339

Ion Ratio Lower Upper

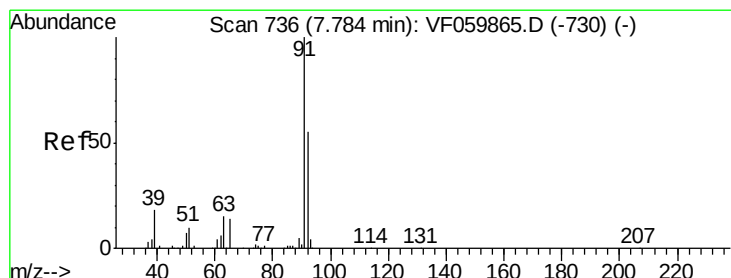
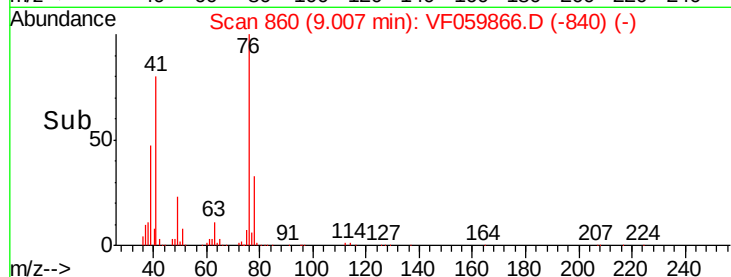
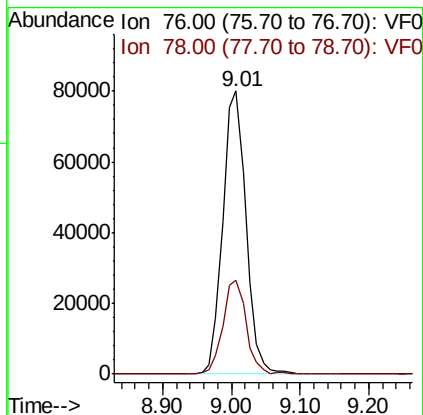
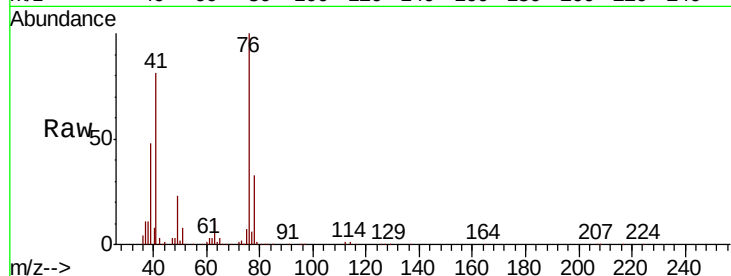
76 100

78 33.1 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 363.06 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059866.D

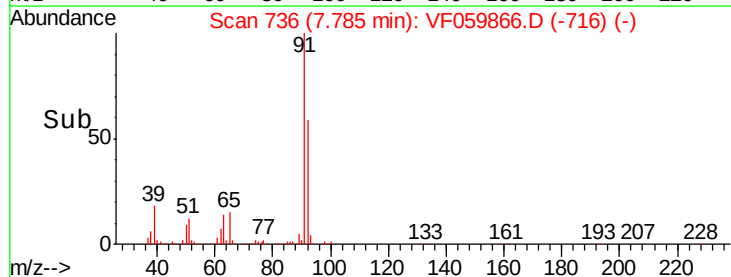
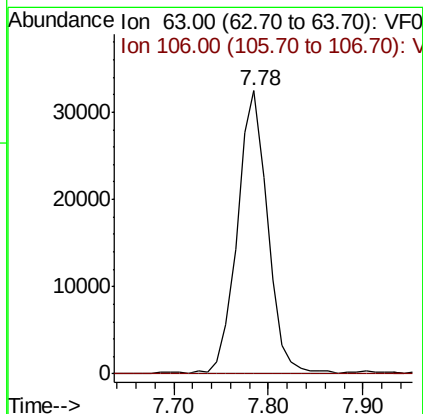
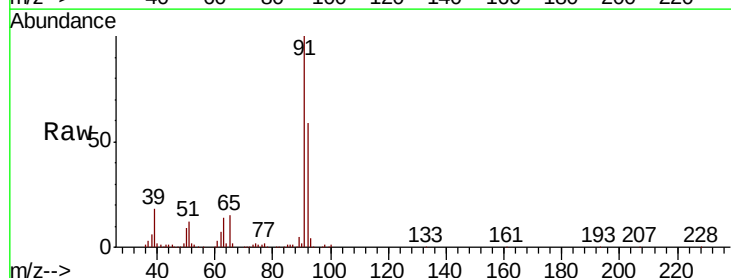
Acq: 4 Aug 2018 5:12

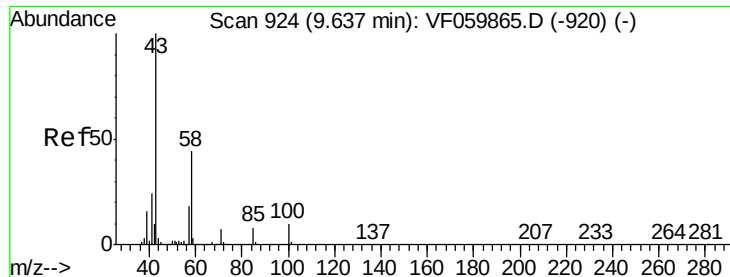
Tgt Ion: 63 Resp: 71968

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





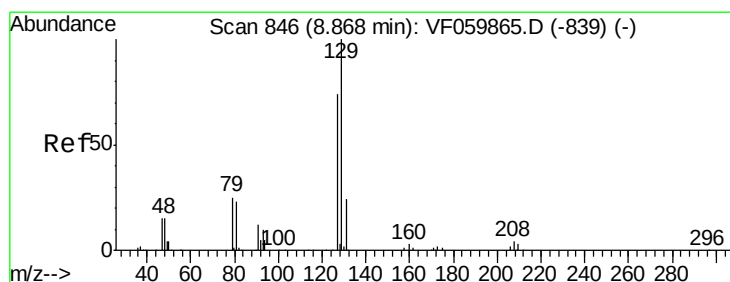
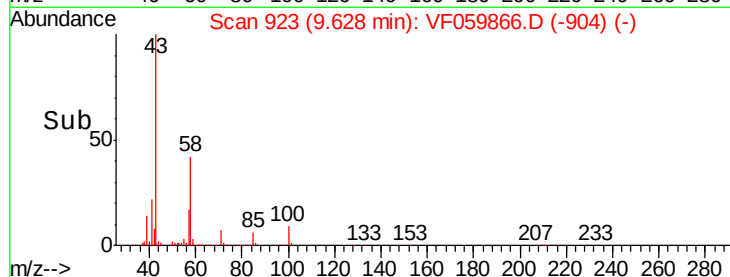
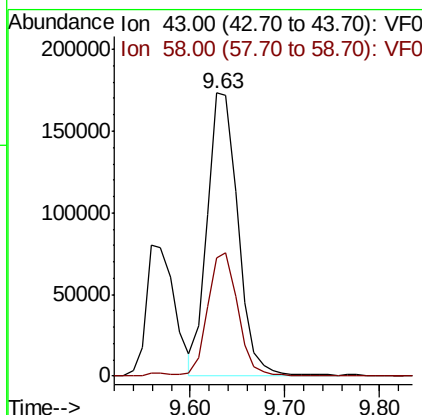
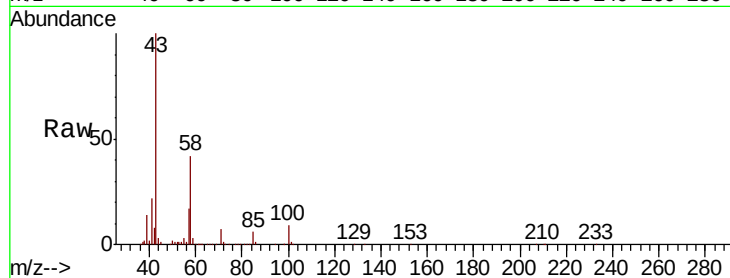
#59
2-Hexanone
Concen: 364.70 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.8	20.8	62.2

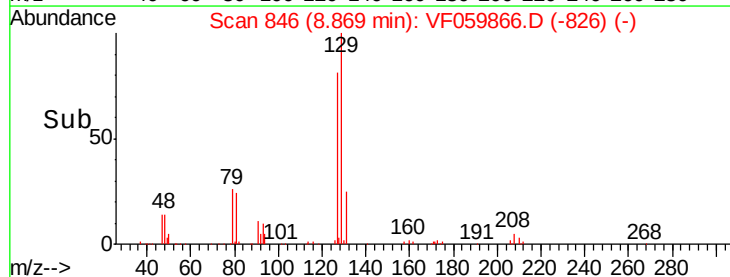
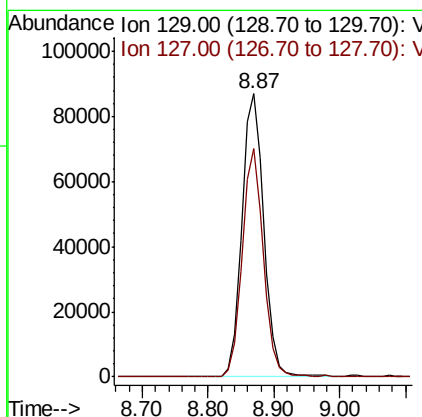
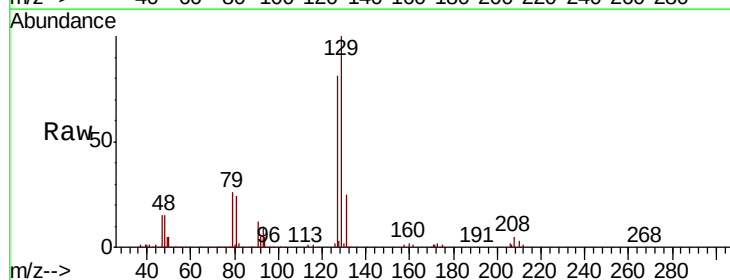
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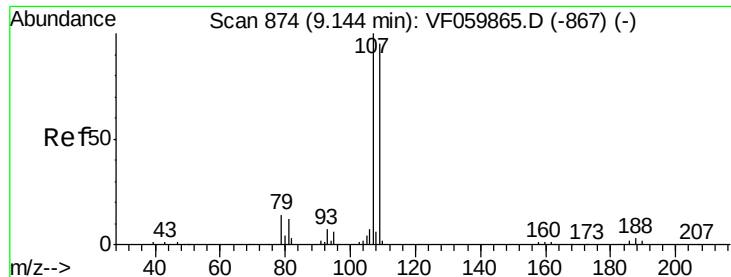
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#60
Dibromochloromethane
Concen: 71.66 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.6	36.9	110.7





#61

1,2-Dibromoethane

Concen: 71.42 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 133487

Ion Ratio Lower Upper

107 100

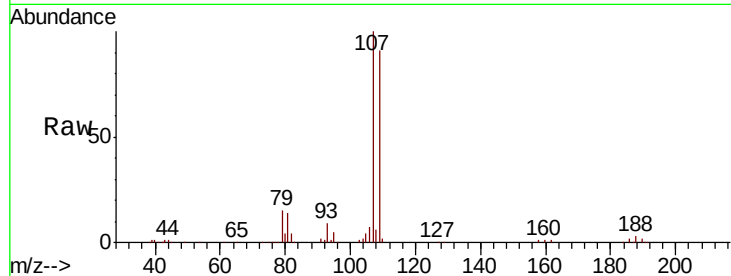
109 91.1 75.8 113.8

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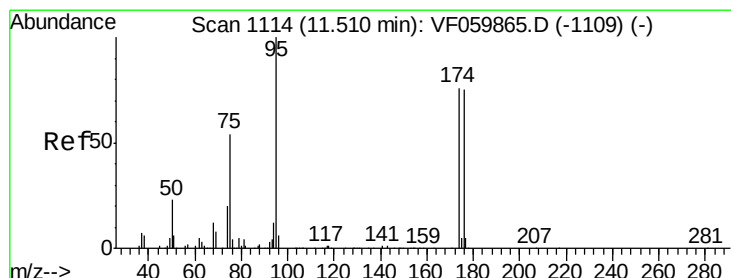
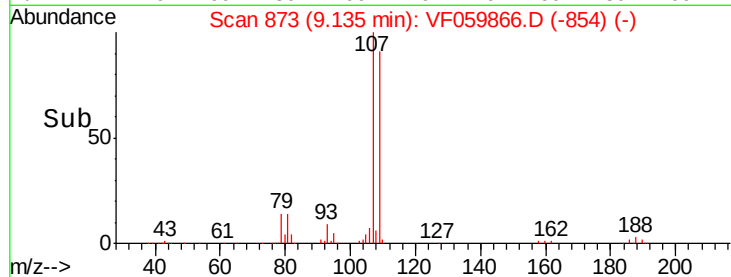
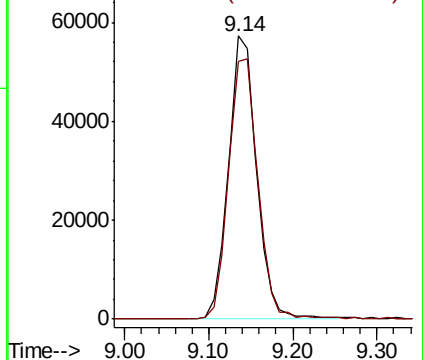
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 65.17 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

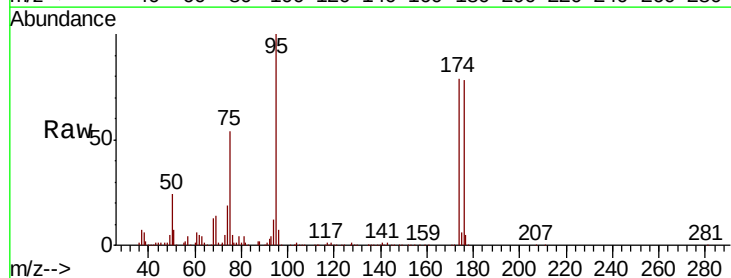
Tgt Ion: 95 Resp: 250047

Ion Ratio Lower Upper

95 100

174 79.5 0.0 151.6

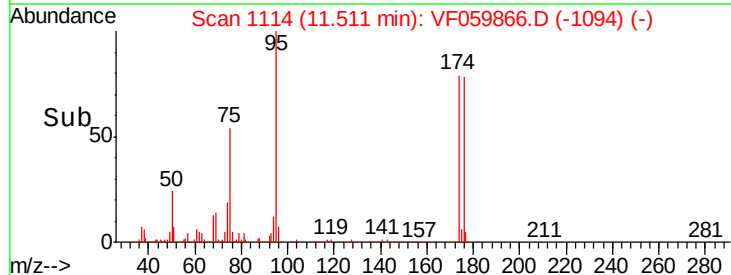
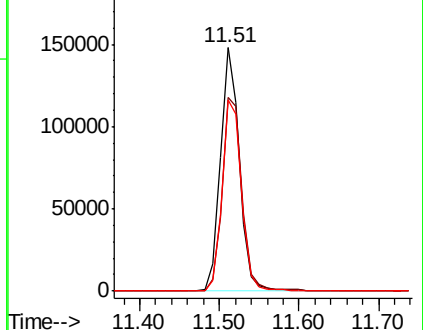
176 78.4 0.0 149.8

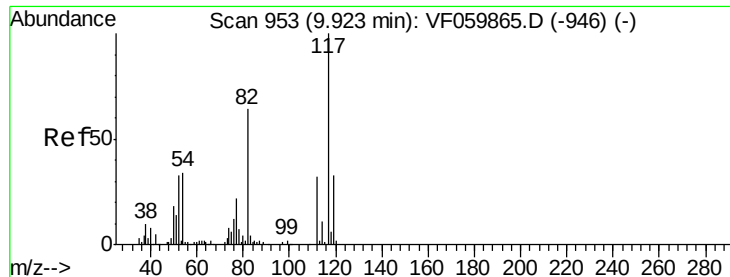


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





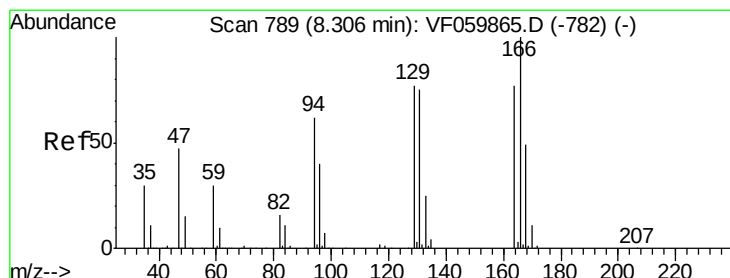
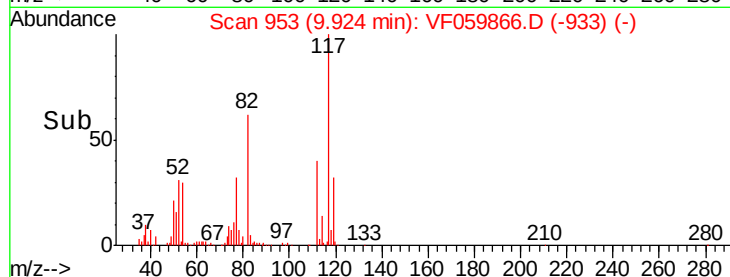
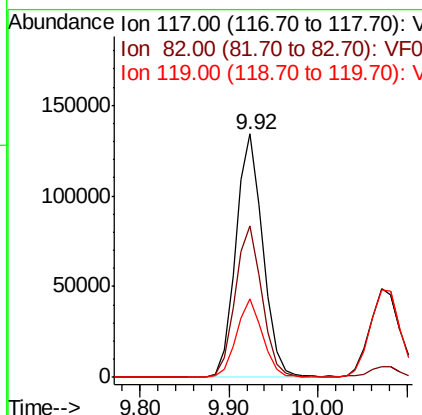
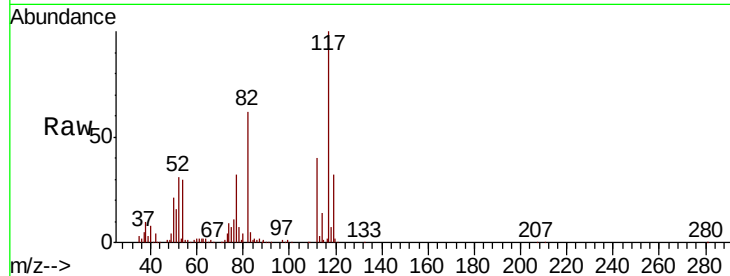
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	51.3	76.9
119	32.2	26.4	39.6

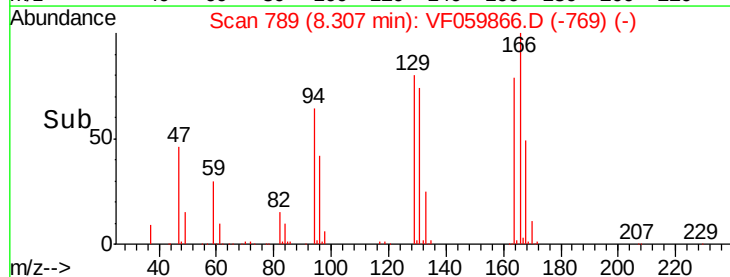
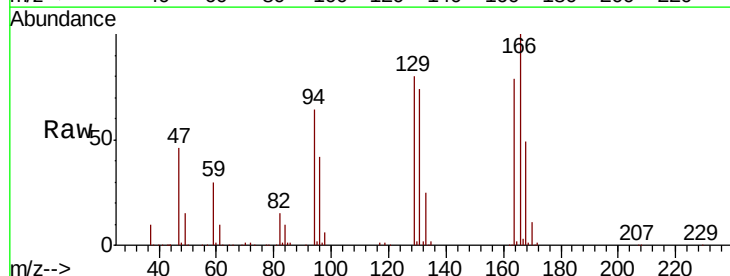
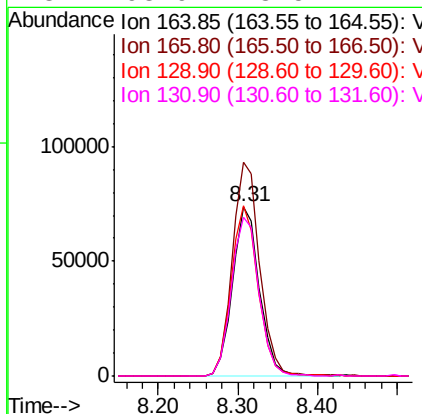
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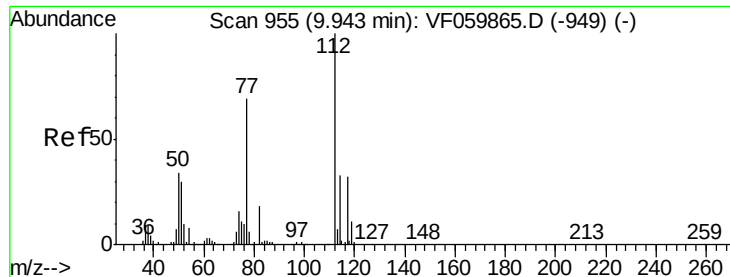
apatel
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#64
Tetrachloroethene
Concen: 74.91 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.4	156.6
129	100.7	80.3	120.5
131	93.9	78.5	117.7





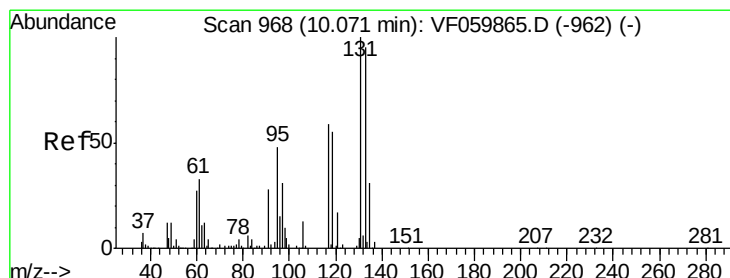
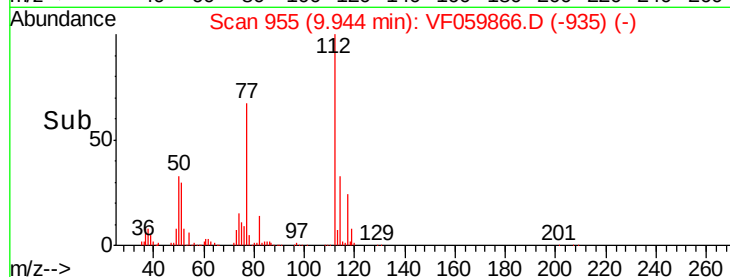
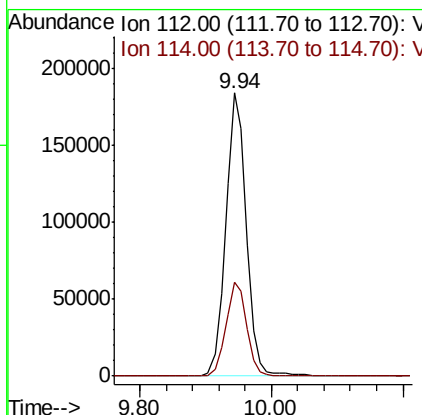
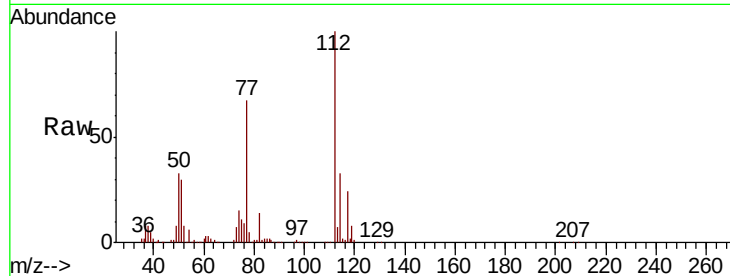
#65
Chlorobenzene
Concen: 68.62 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	26.4	39.6

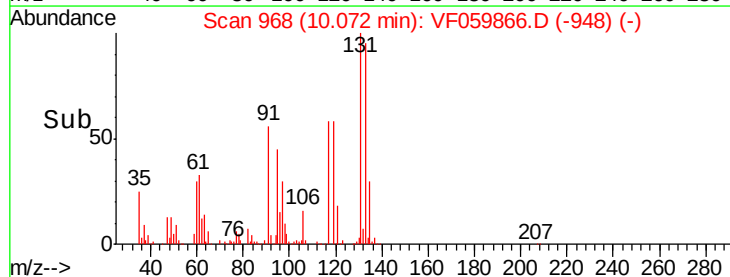
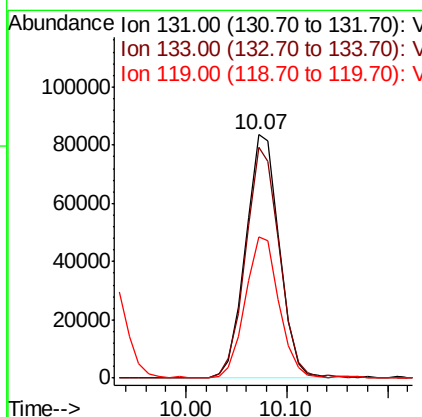
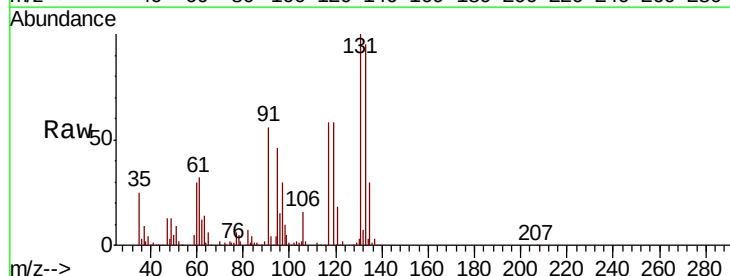
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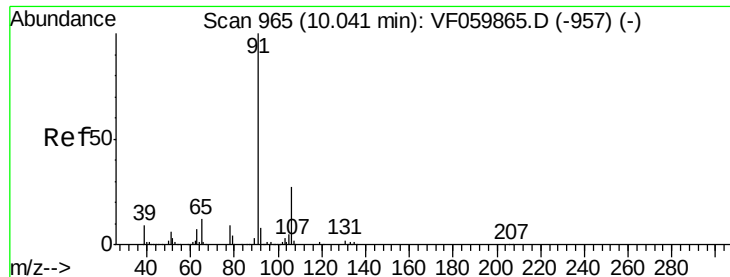
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#66
1,1,1,2-Tetrachloroethane
Concen: 70.99 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.2
119	58.1	27.7	83.1





#67

Ethyl Benzene

Concen: 71.74 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 725977

Ion Ratio Lower Upper

91 100

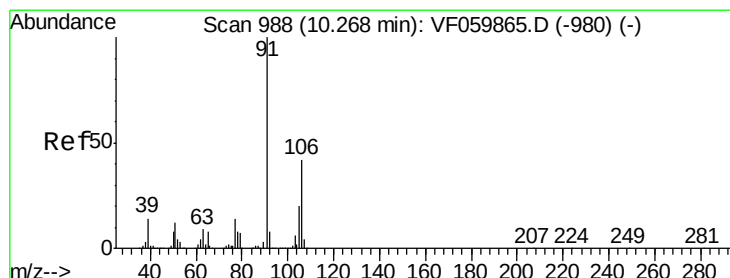
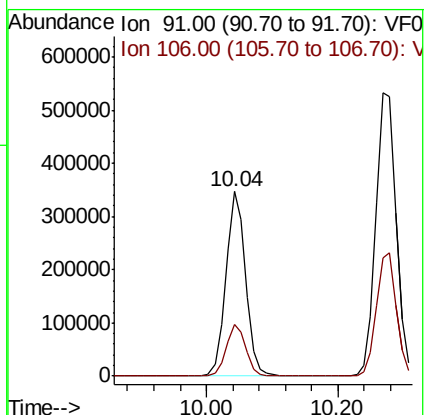
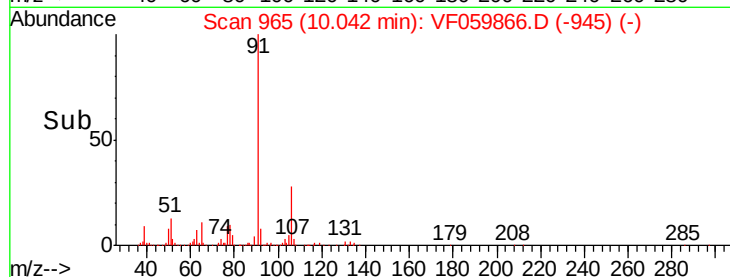
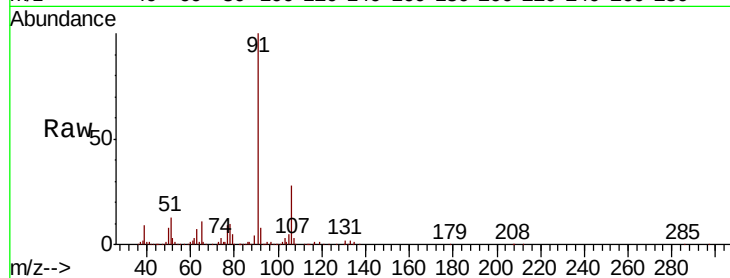
106 28.0 21.5 32.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 140.53 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059866.D

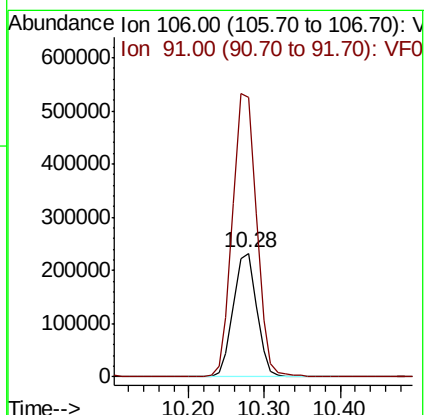
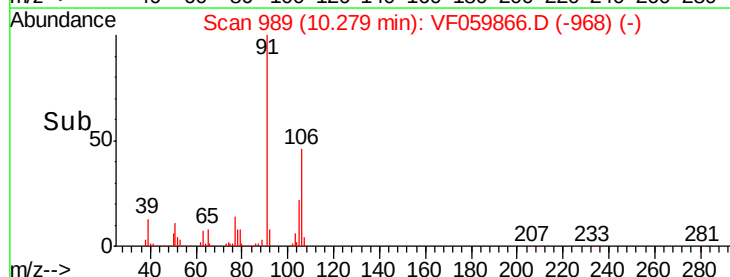
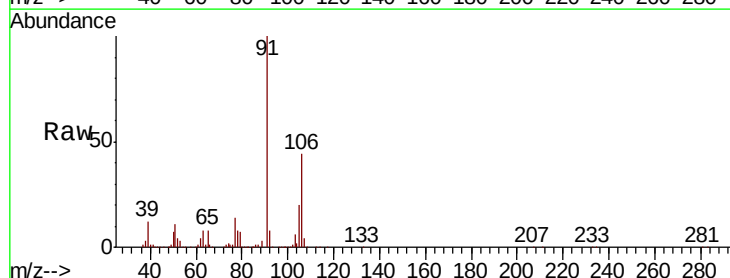
Acq: 4 Aug 2018 5:12

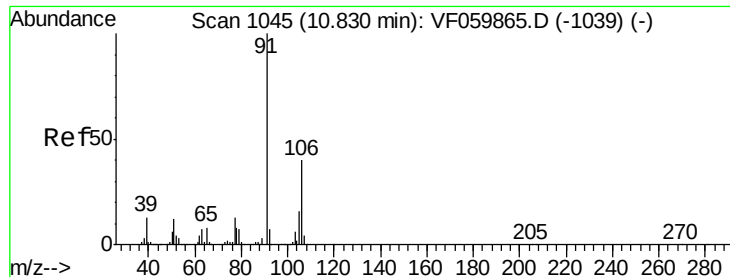
Tgt Ion: 106 Resp: 498456

Ion Ratio Lower Upper

106 100

91 226.3 192.1 288.1





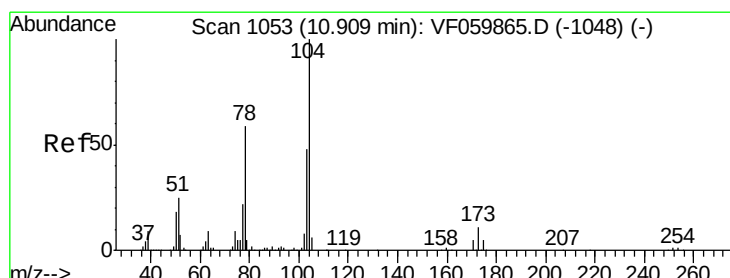
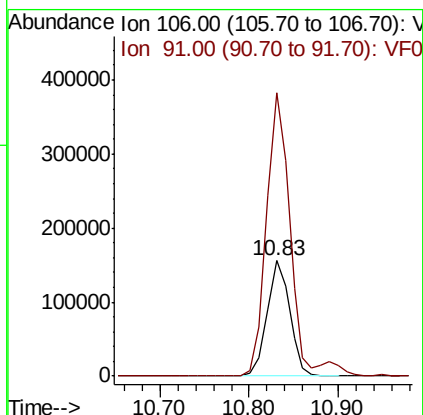
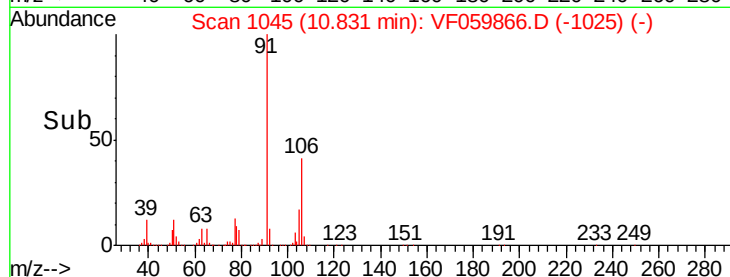
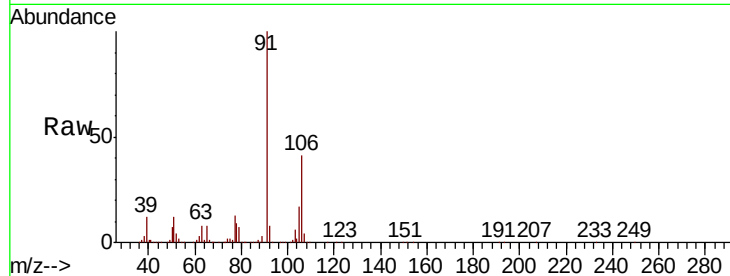
#69
o-Xylene
Concen: 73.31 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tot Ion:106 Resp: 275036
Ion Ratio Lower Upper
106 100
91 245.3 125.4 376.2

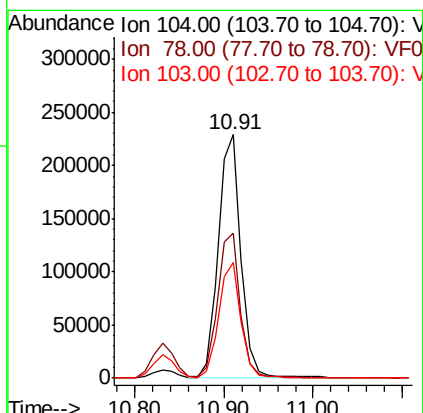
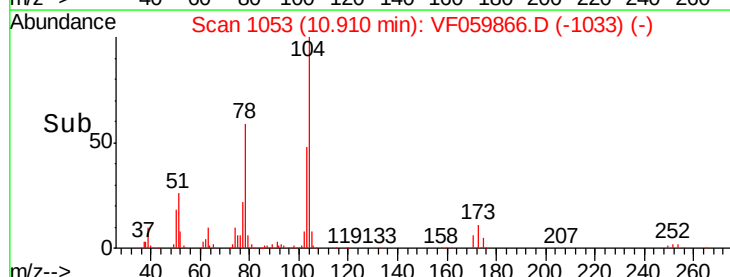
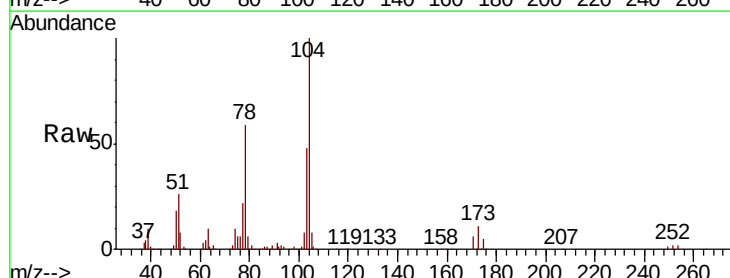
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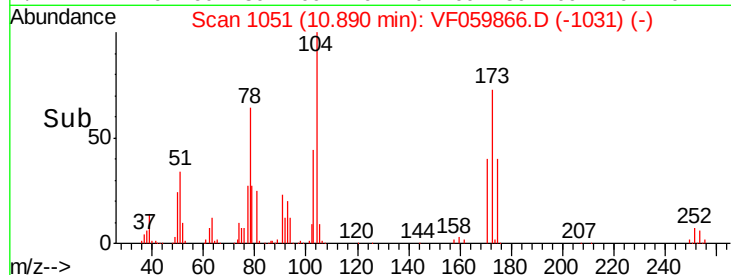
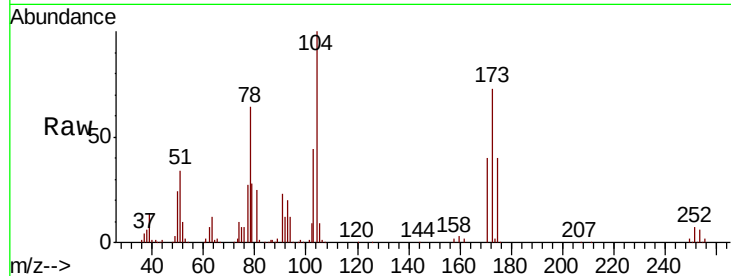
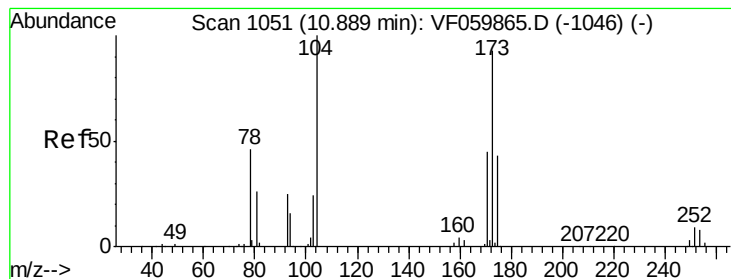
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#70
Styrene
Concen: 72.41 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion:104 Resp: 406846
Ion Ratio Lower Upper
104 100
78 59.5 47.3 70.9
103 47.6 39.0 58.4





#71

Bromoform

Concen: 69.92 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 122838

Ion Ratio Lower Upper

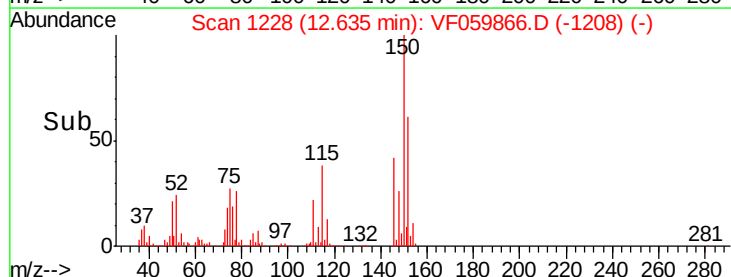
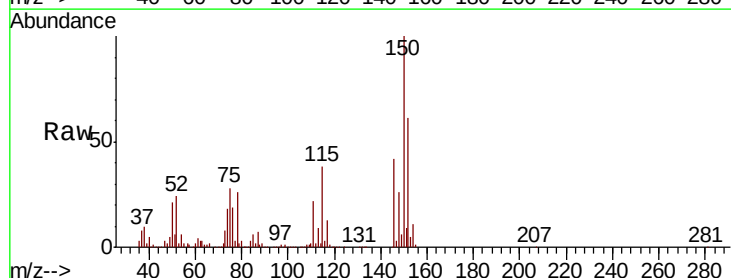
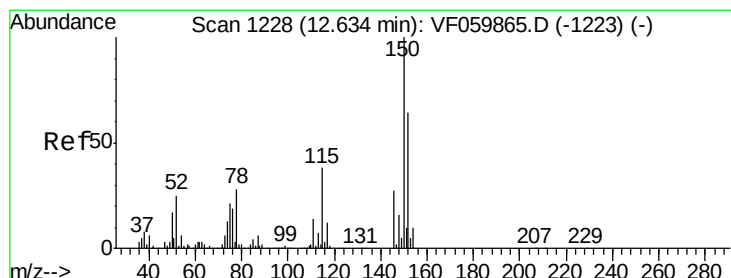
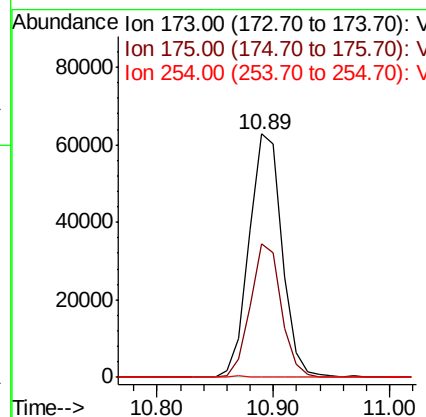
173 100

175 54.6 23.4 70.2

254 0.2 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

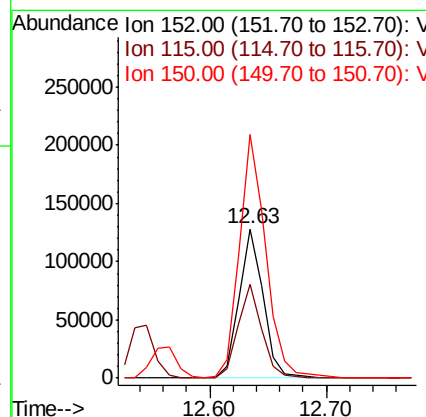
Tgt Ion:152 Resp: 184614

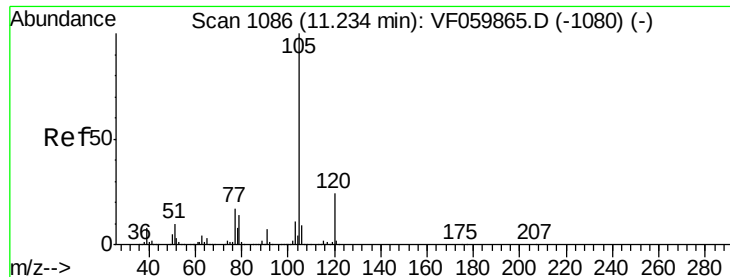
Ion Ratio Lower Upper

152 100

115 62.5 29.8 89.4

150 163.0 0.0 315.6





#73

Isopropylbenzene

Concen: 71.25 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 880721

Ion Ratio Lower Upper

105 100

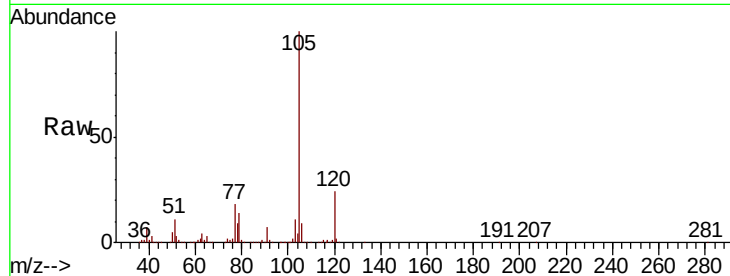
120 24.5 12.1 36.3

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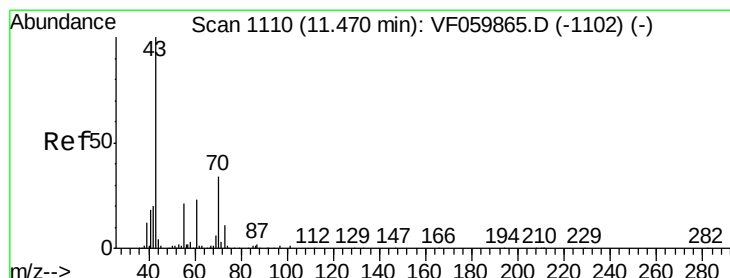
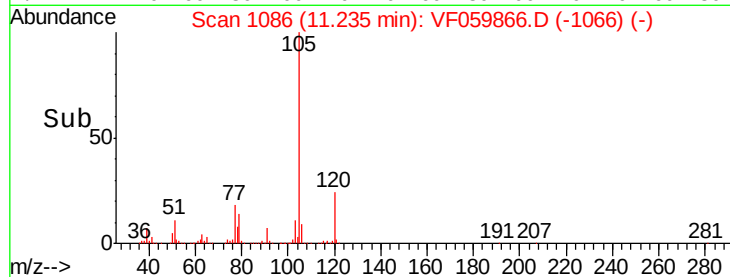
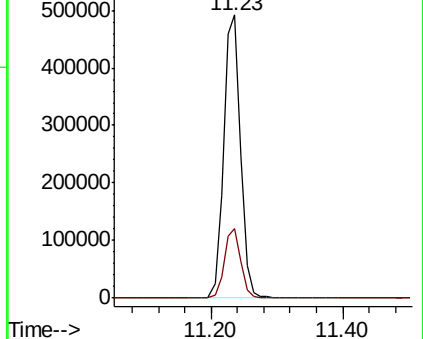
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 66.37 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion: 43 Resp: 202371

Ion Ratio Lower Upper

43 100

70 31.6 27.5 41.3

55 21.3 16.6 25.0

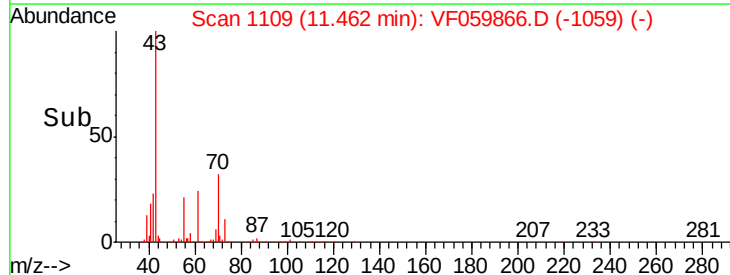
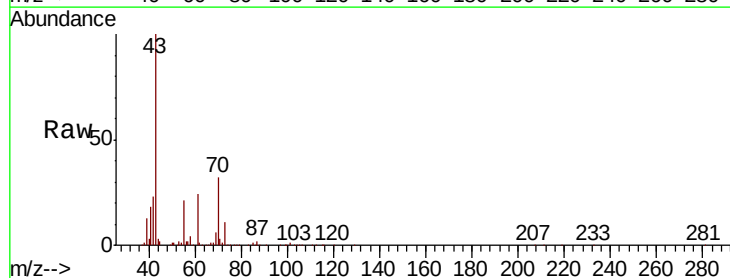
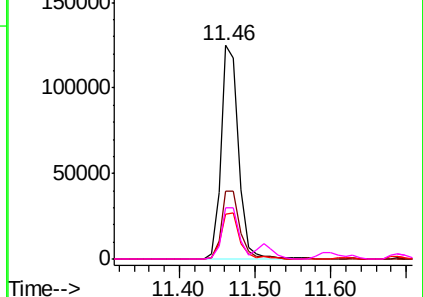
61 23.8 18.2 27.4

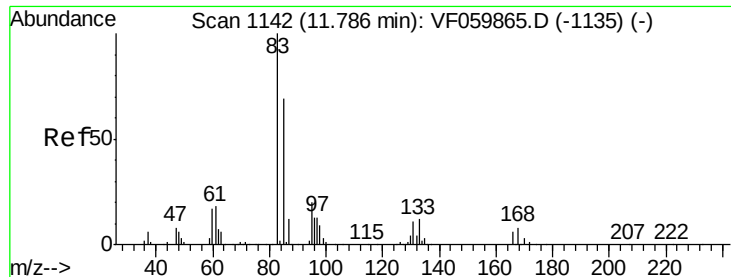
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 63.86 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

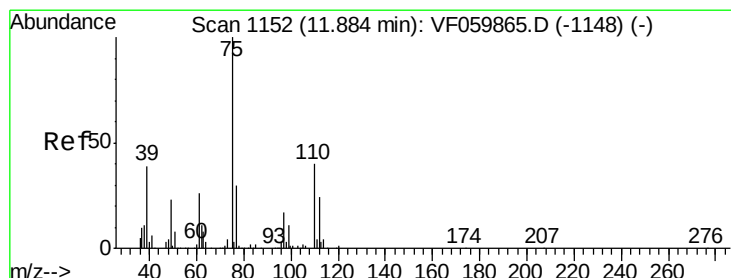
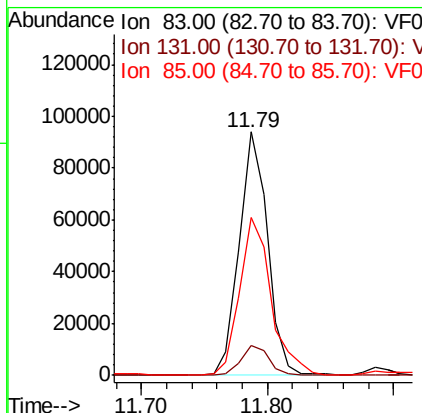
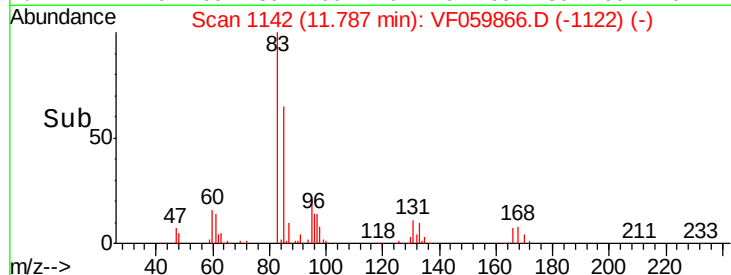
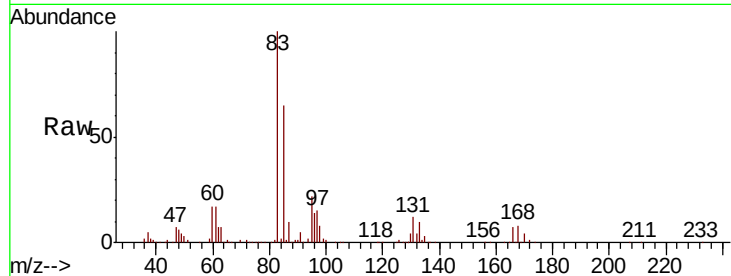
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	146109
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.3	15.9
85	64.9	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 66.87 ug/l

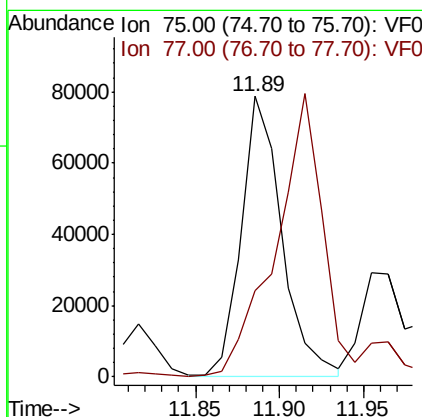
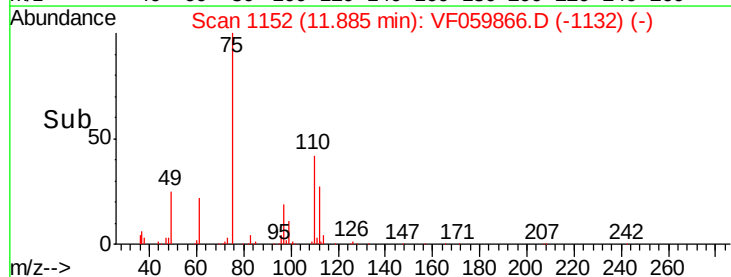
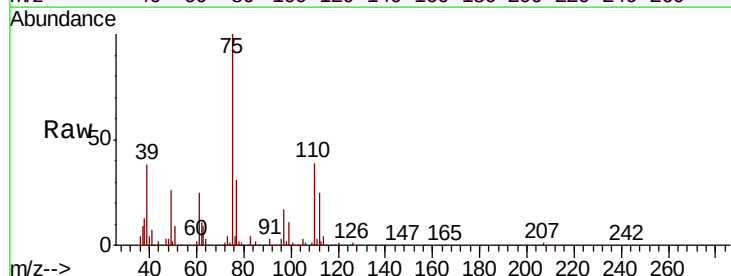
RT: 11.89 min Scan# 1152

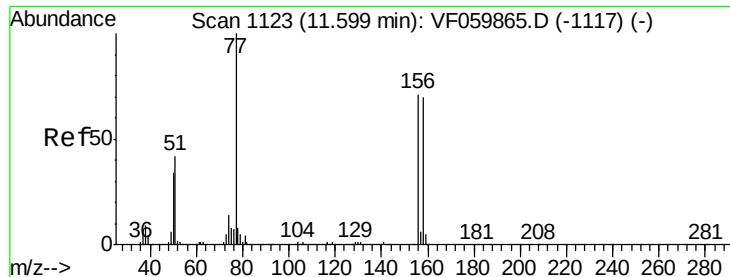
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	75	Resp:	131163
Ion Ratio	Lower	Upper	
75	100		
77	30.9	15.4	46.2





#77

Bromobenzene

Concen: 71.65 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

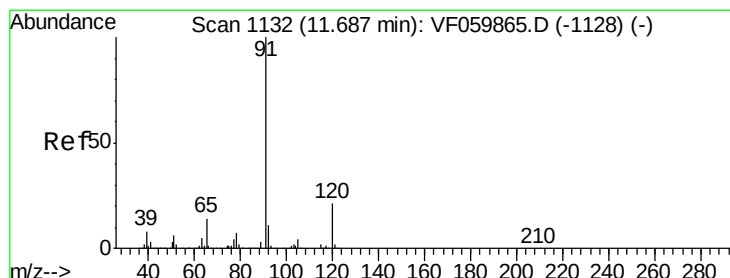
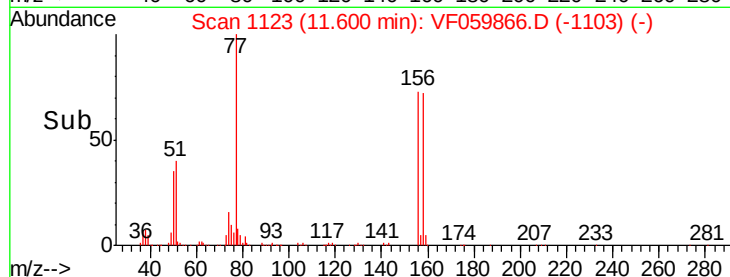
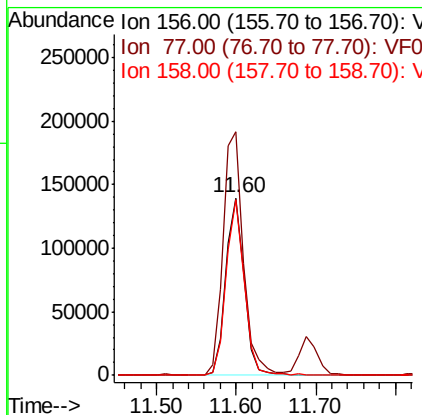
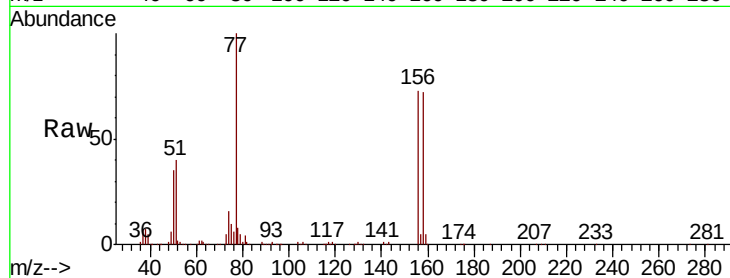
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		230512		
77	137.1	70.2	210.6		
158	98.7	49.2	147.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 67.78 ug/l

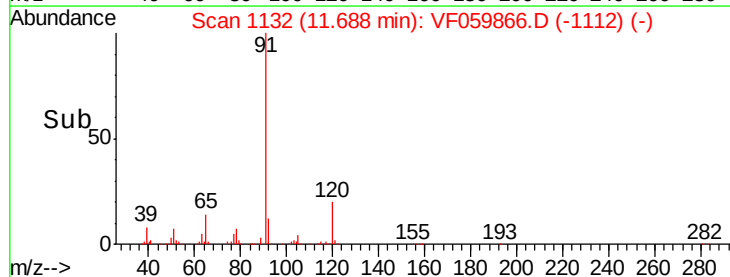
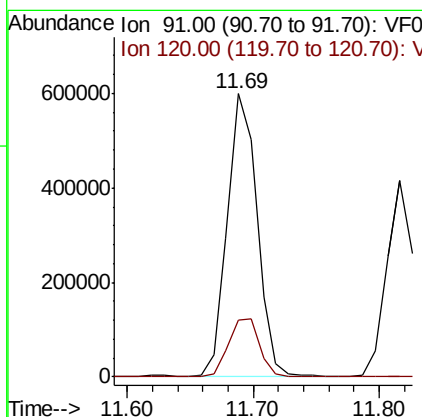
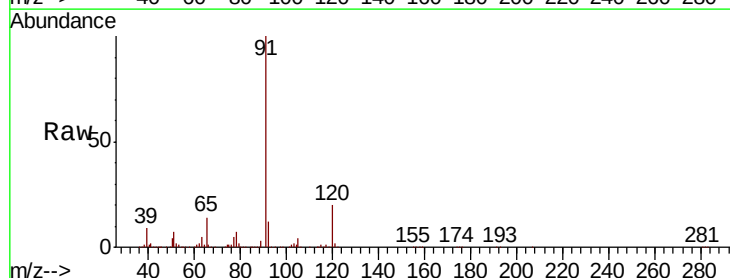
RT: 11.69 min Scan# 1132

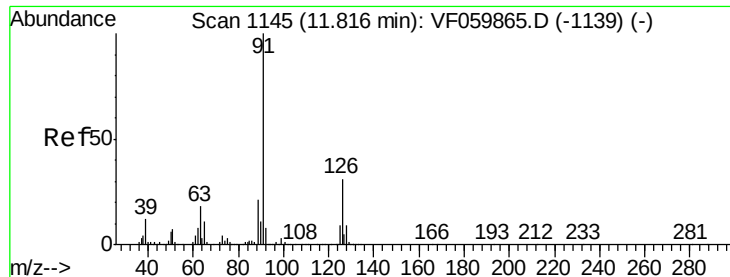
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		976920		
120	20.3	10.4	31.2		





#79

2-Chlorotoluene

Concen: 70.25 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 629334

Ion Ratio Lower Upper

91 100

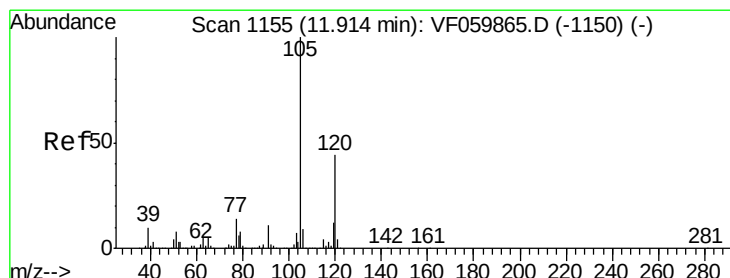
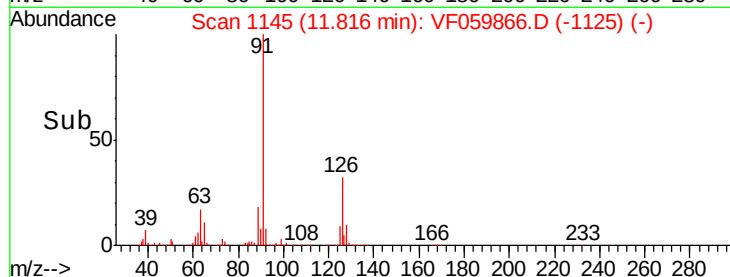
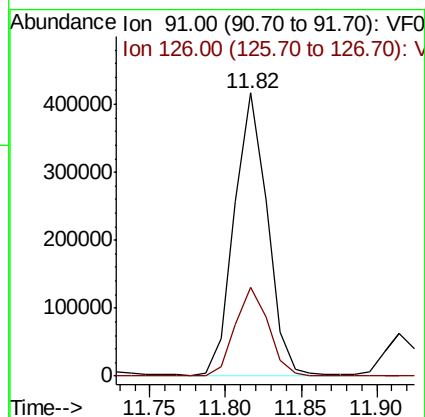
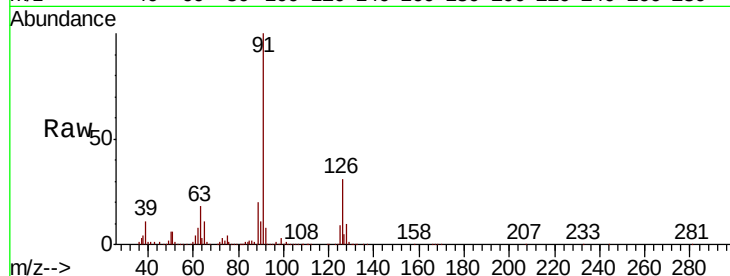
126 31.5 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 70.88 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059866.D

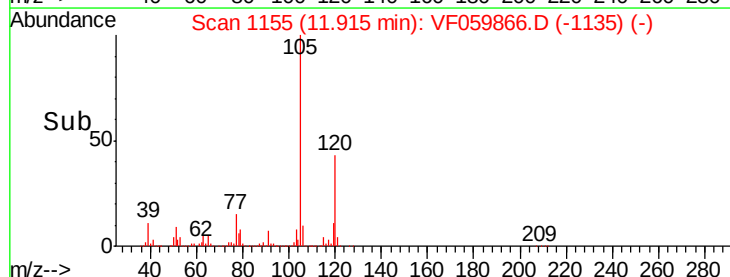
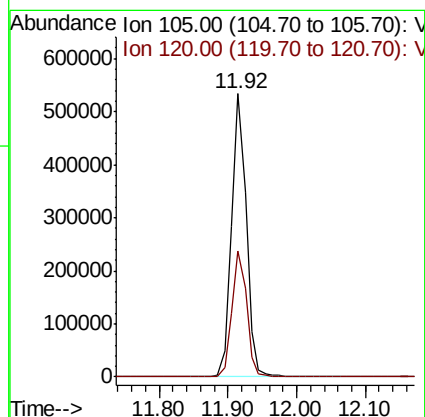
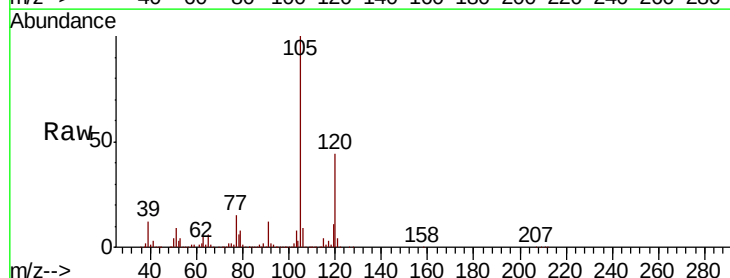
Acq: 4 Aug 2018 5:12

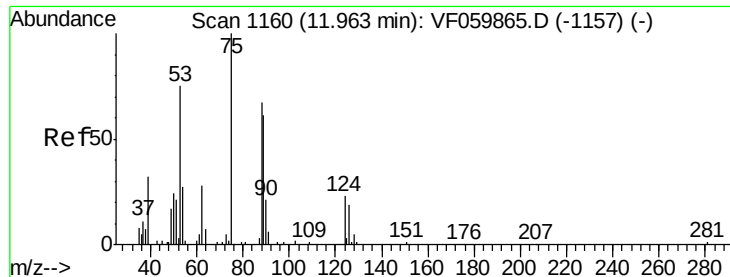
Tgt Ion:105 Resp: 789205

Ion Ratio Lower Upper

105 100

120 44.4 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 60.68 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 47897
Ion Ratio Lower Upper

75 100

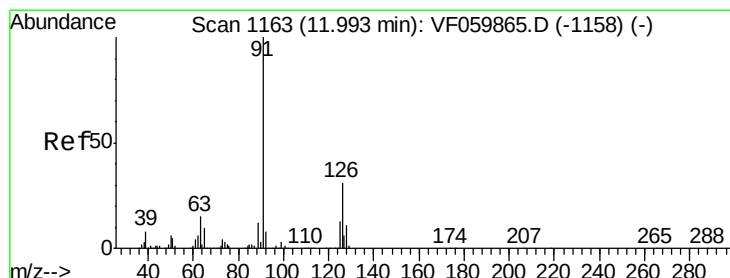
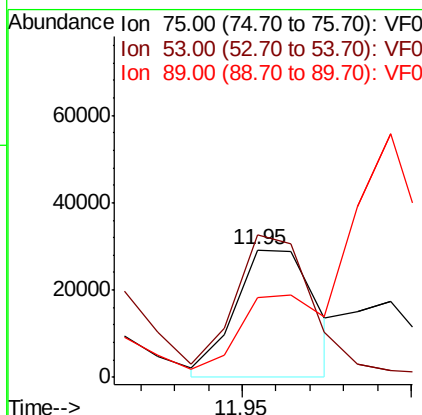
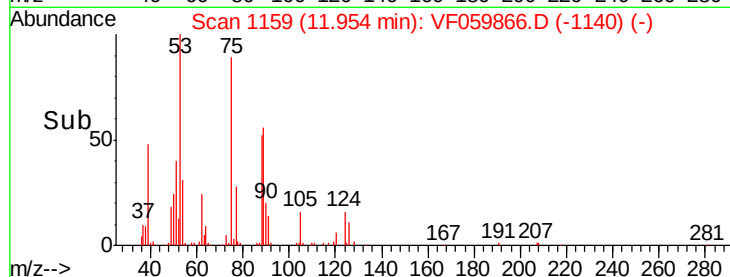
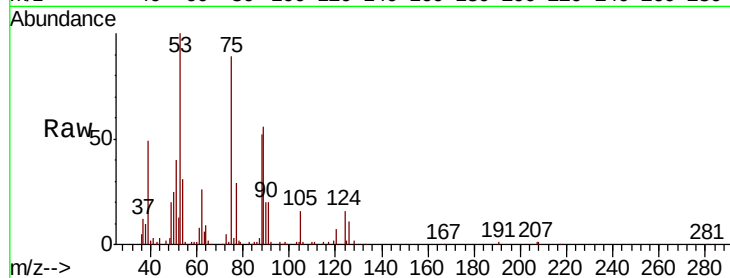
53 111.7 65.9 98.9#

89 62.6 50.6 76.0

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#82

4-Chlorotoluene

Concen: 70.46 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

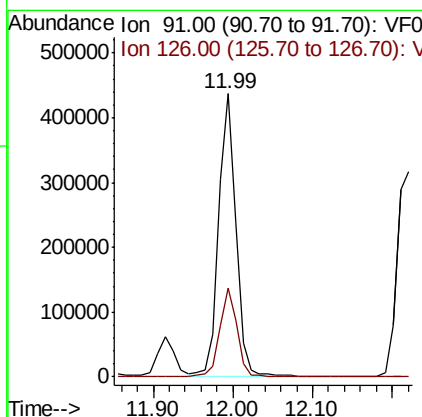
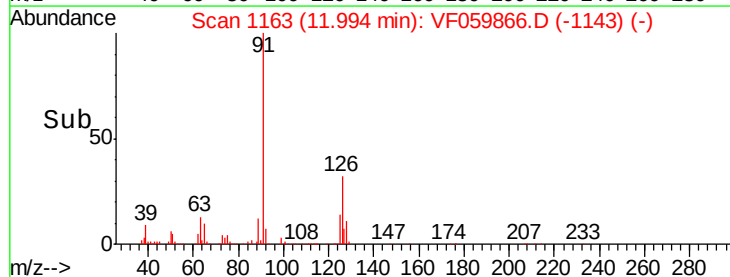
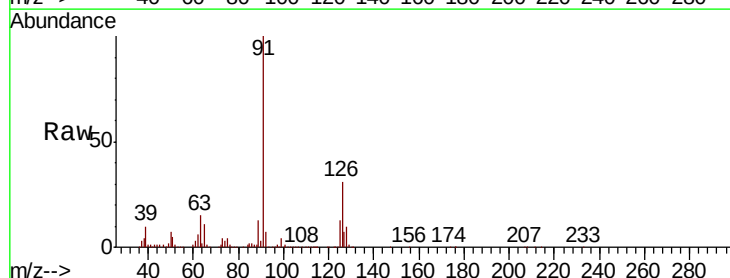
Lab File: VF059866.D

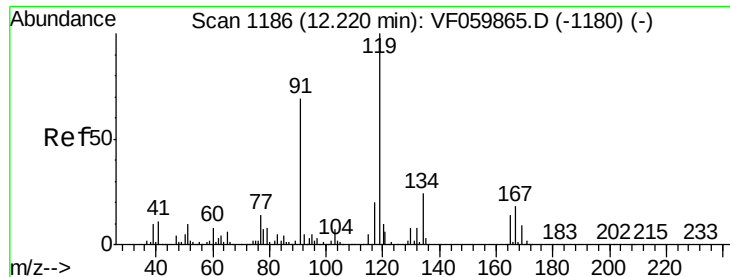
Acq: 4 Aug 2018 5:12

Tgt Ion: 91 Resp: 673708
Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.0





#83

tert-Butylbenzene

Concen: 68.97 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

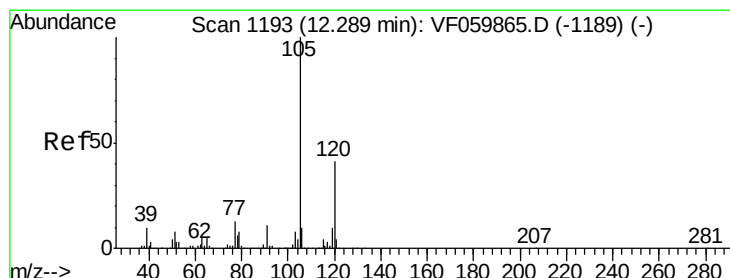
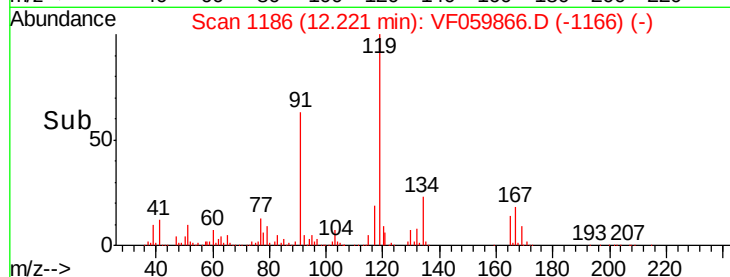
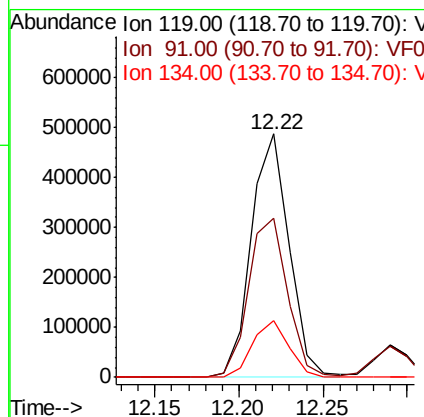
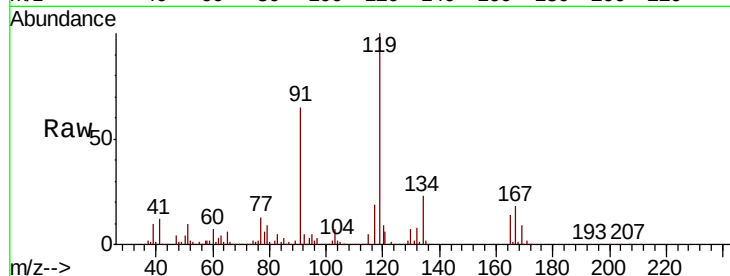
ClientSampleId :

VSTDIC075

Tot Ion:	119	Resp:	762122
Ion Ratio	Lower	Upper	
119	100		
91	65.2	34.4	103.2
134	23.1	12.1	36.3

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#84

1,2,4-Trimethylbenzene

Concen: 71.58 ug/l

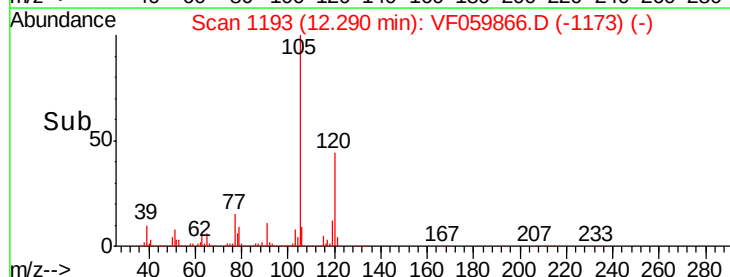
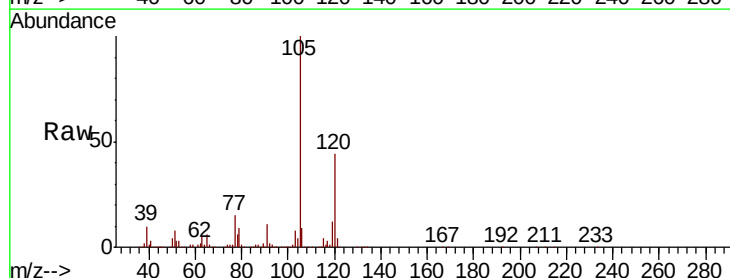
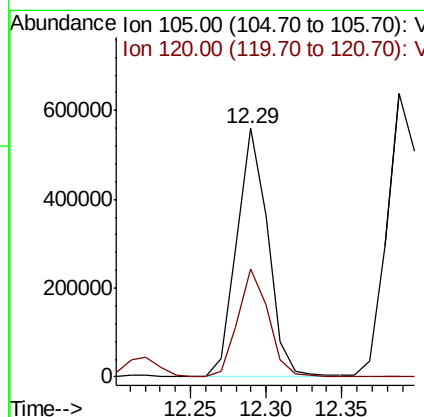
RT: 12.29 min Scan# 1193

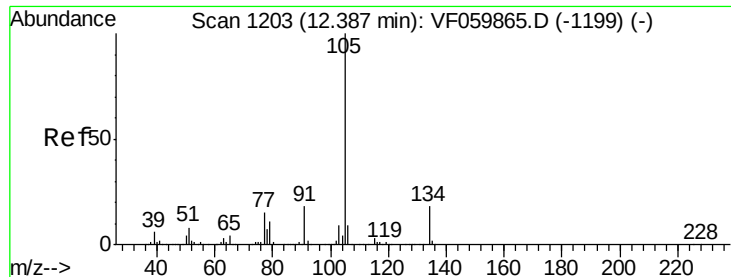
Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Tgt Ion:	105	Resp:	799991
Ion Ratio	Lower	Upper	
105	100		
120	43.6	20.8	62.5





#85

sec-Butylbenzene

Concen: 69.07 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 982724

Ion Ratio Lower Upper

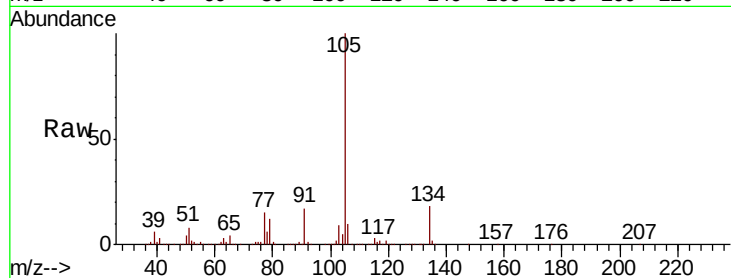
105 100

134 18.0 9.1 27.3

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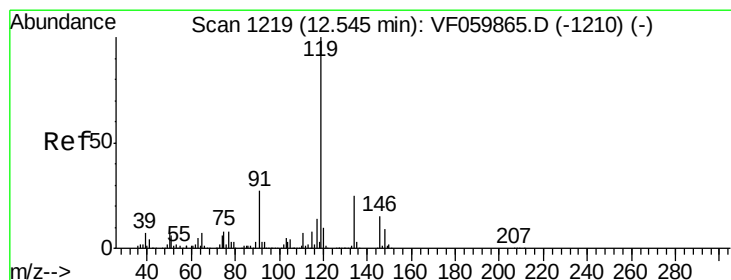
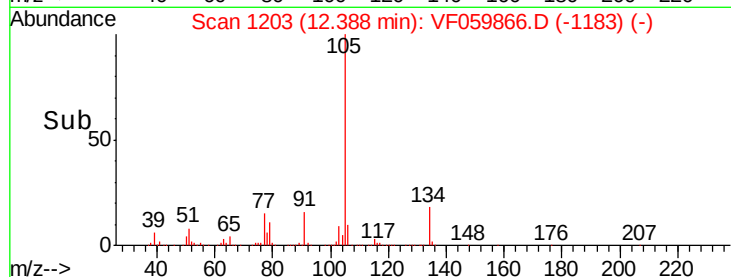
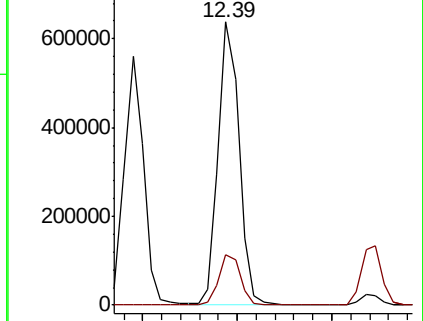
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 69.55 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059866.D

Acq: 4 Aug 2018 5:12

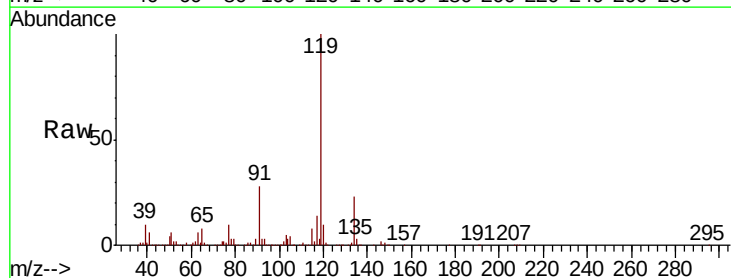
Tgt Ion:119 Resp: 872682

Ion Ratio Lower Upper

119 100

134 22.8 12.4 37.0

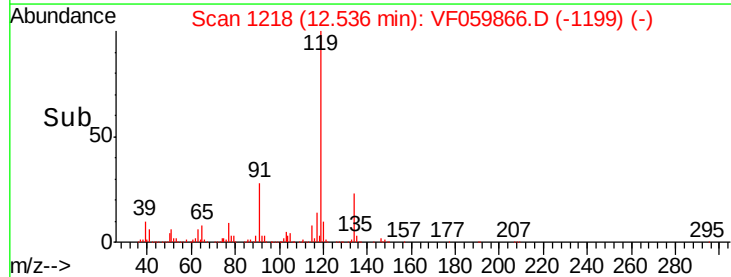
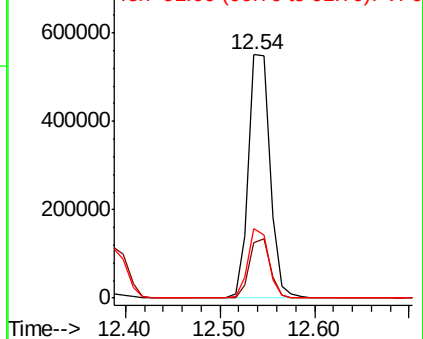
91 28.4 13.6 40.7

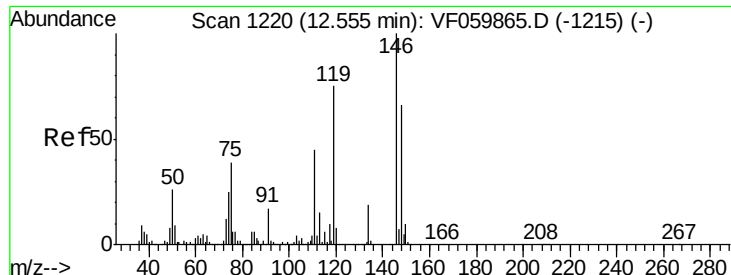


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





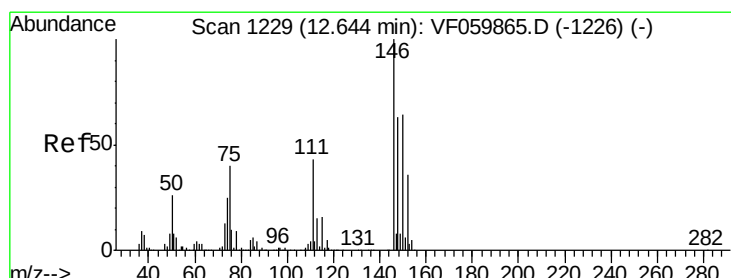
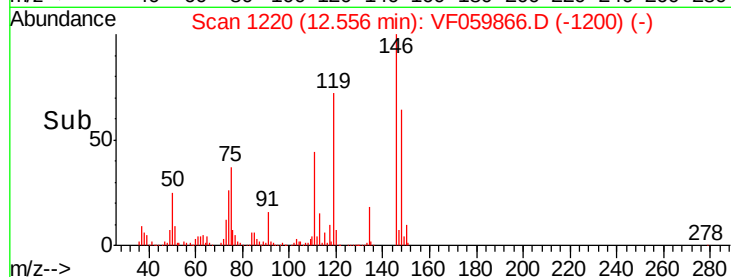
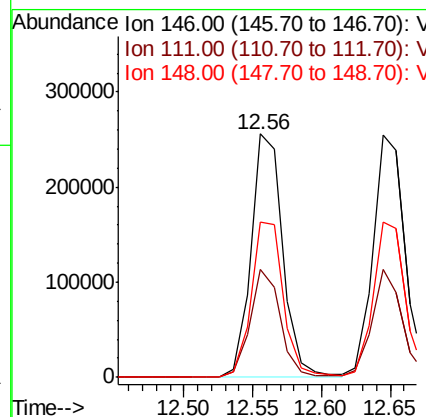
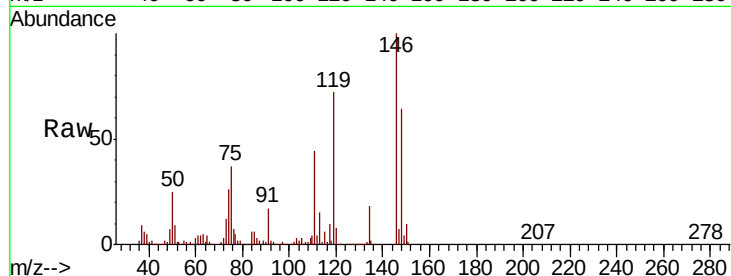
#87
 1,3-Dichlorobenzene
 Concen: 67.28 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	412750		
111	44.2	22.4	67.0	
148	63.9	33.1	99.3	

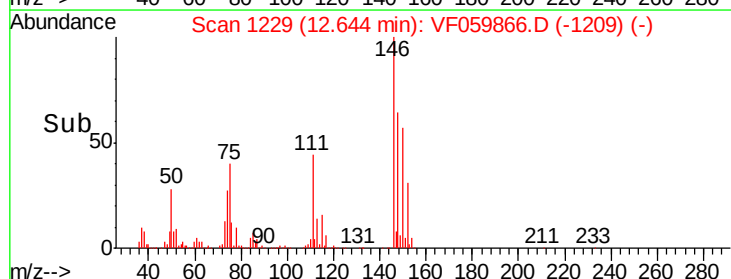
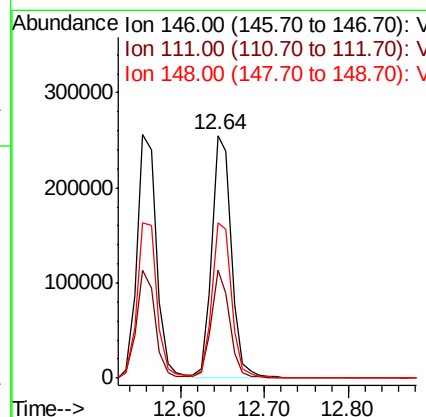
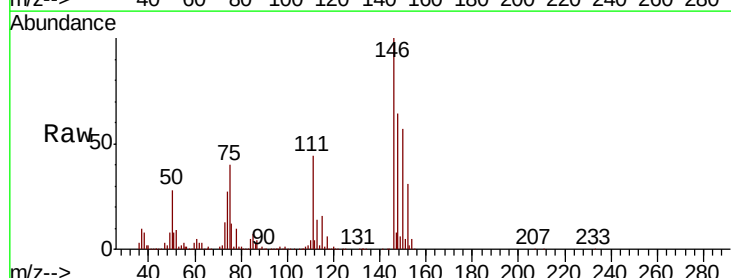
Manual Integrations
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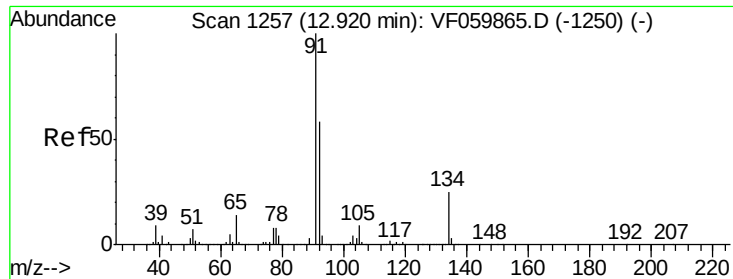
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#88
 1,4-Dichlorobenzene
 Concen: 68.99 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	413967		
111	44.2	21.4	64.2	
148	63.9	31.6	94.7	





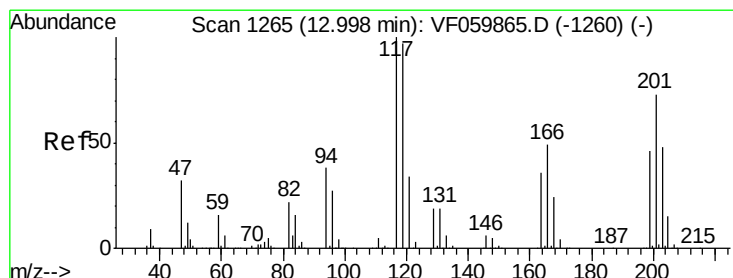
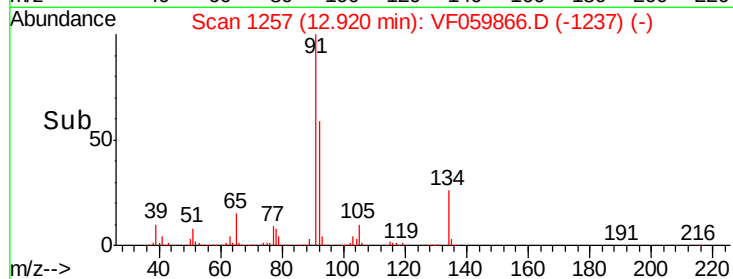
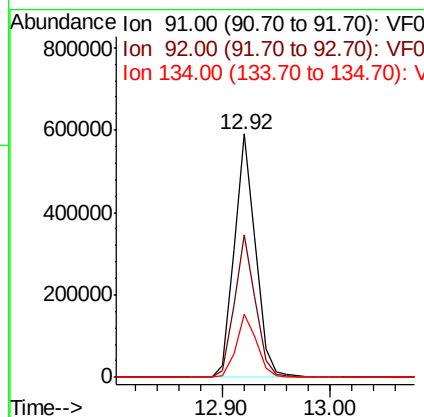
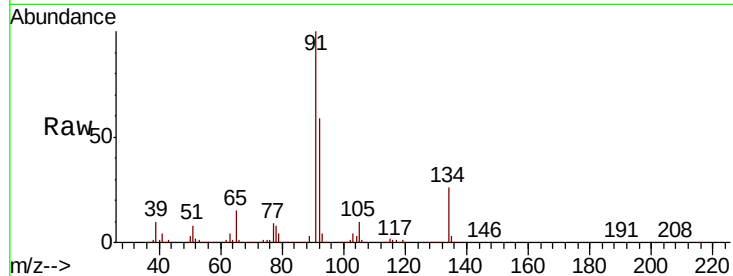
#89
n-Butylbenzene
Concen: 68.54 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.7	28.8	86.5
134	25.9	12.6	37.6

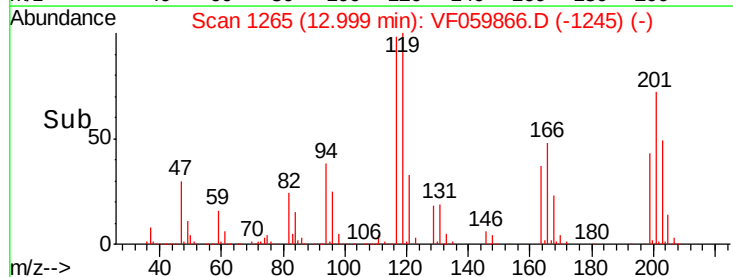
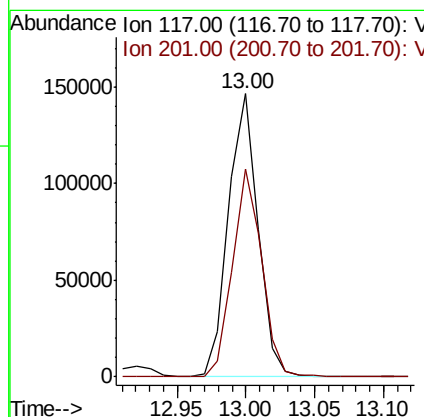
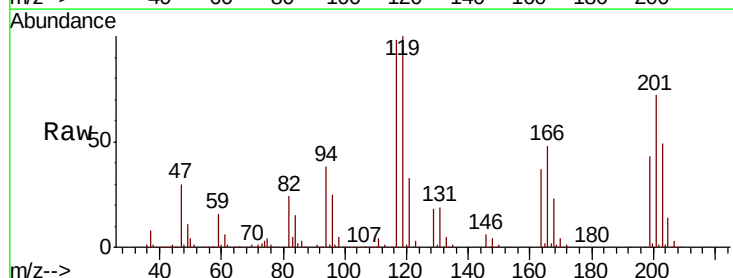
Manual Integrations
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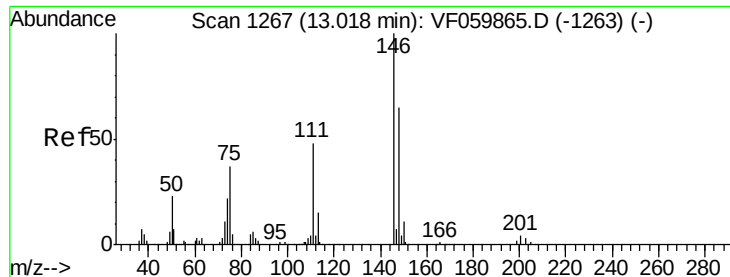
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#90
Hexachloroethane
Concen: 69.46 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	36.6	109.8





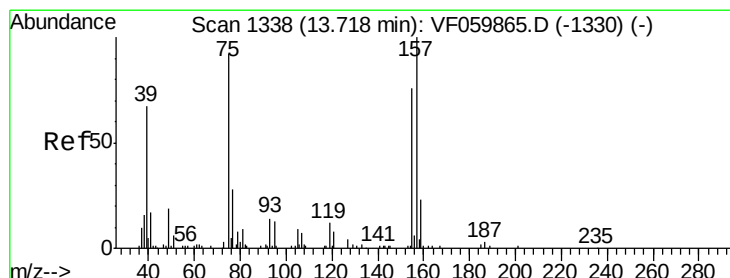
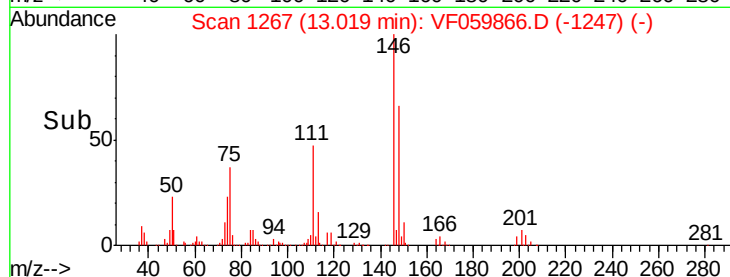
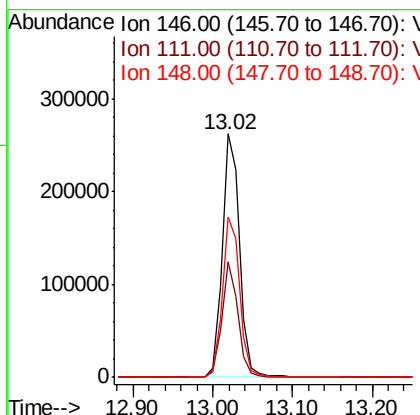
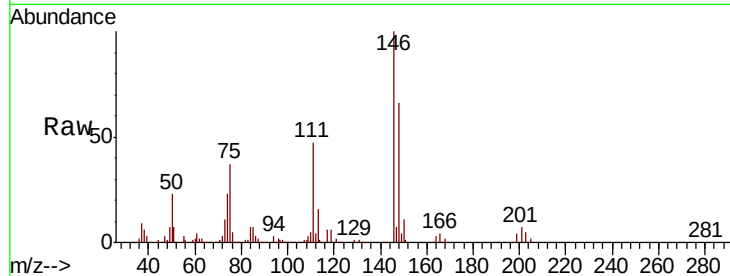
#91
 1,2-Dichlorobenzene
 Concen: 67.39 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	399799		
111	47.2	24.1	72.2	
148	66.0	32.8	98.3	

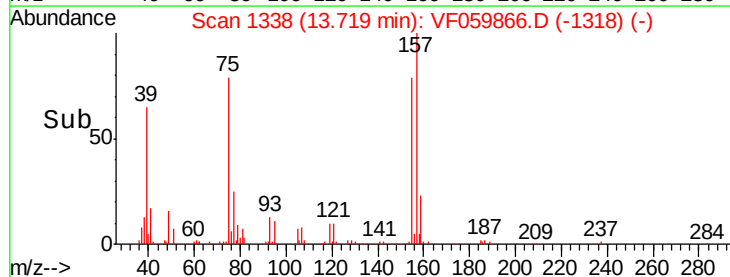
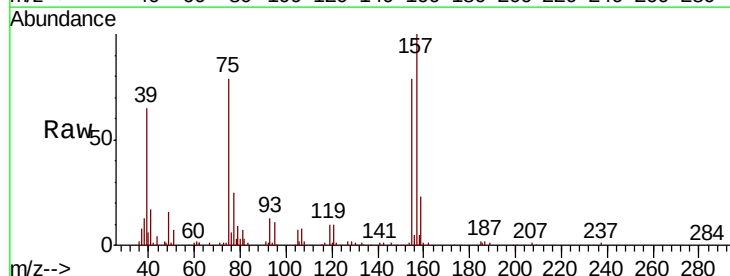
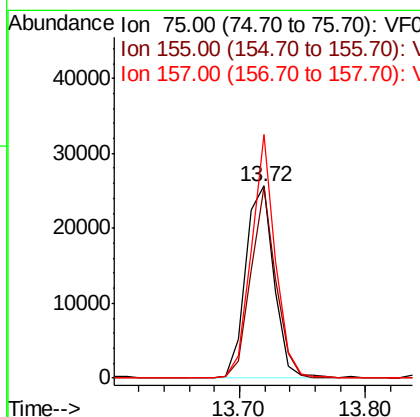
Manual Integrations
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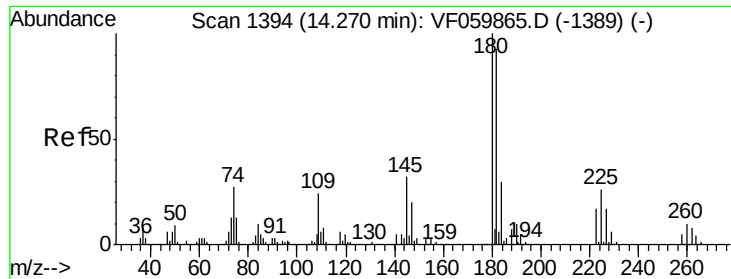
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.39 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40044		
155	99.8	41.2	123.6	
157	126.9	54.5	163.6	





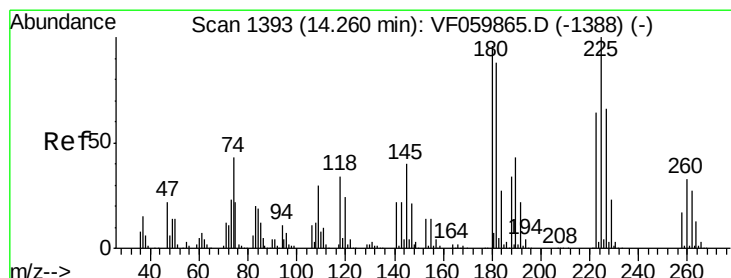
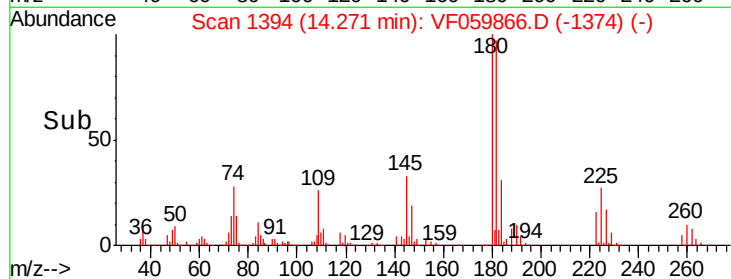
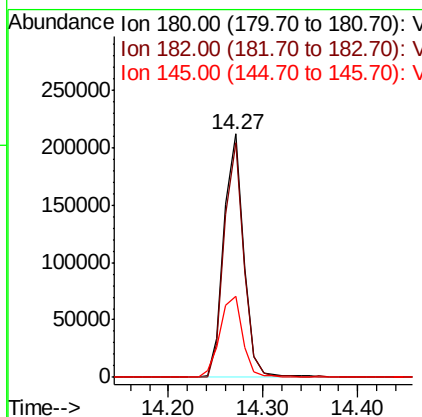
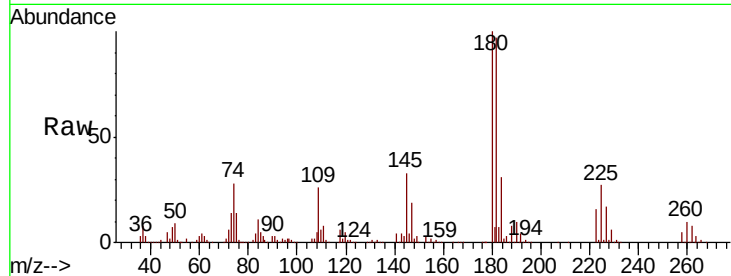
#93
 1,2,4-Trichlorobenzene
 Concen: 67.23 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	46.4	139.2	
145	33.3	15.9	47.7	

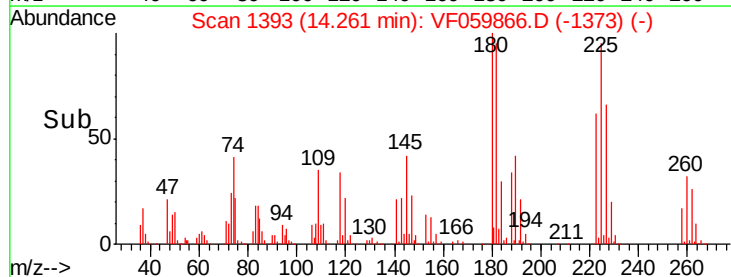
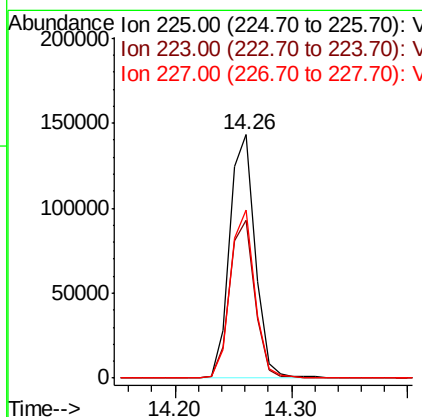
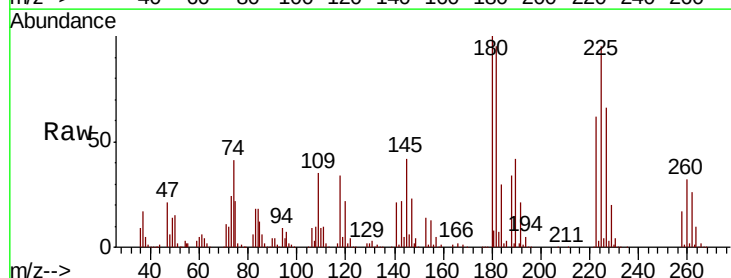
Manual Integrations
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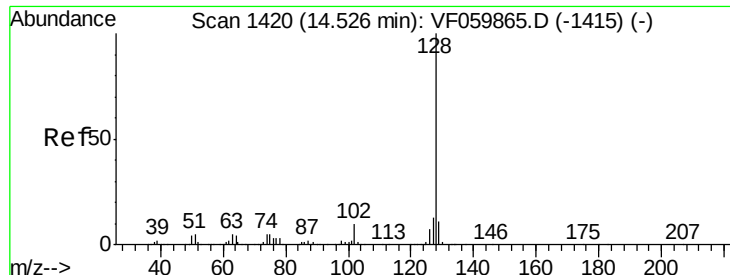
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#94
 Hexachlorobutadiene
 Concen: 70.36 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059866.D
 Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	31.9	95.9	
227	69.0	32.8	98.4	





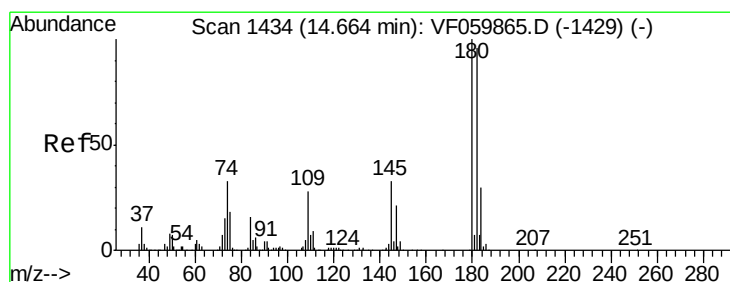
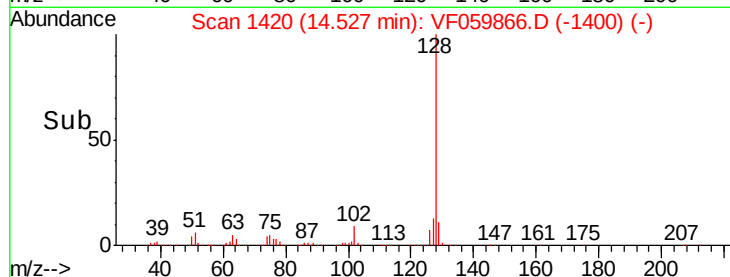
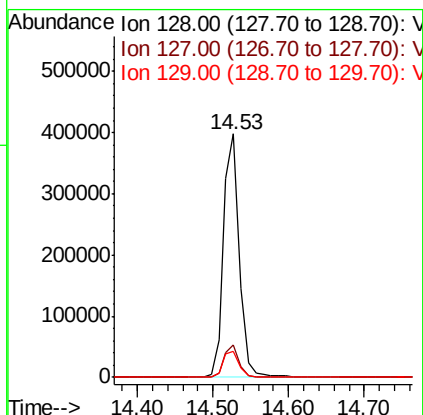
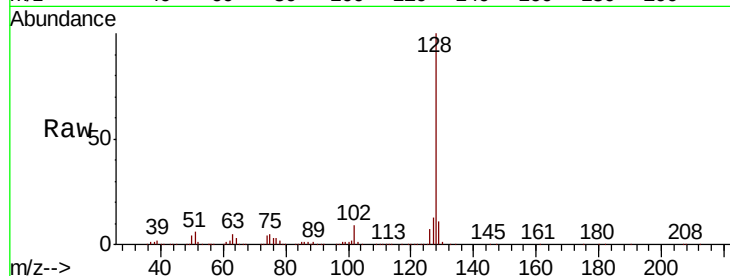
#95
Naphthalene
Concen: 72.23 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	582559		
127	13.2		10.4	15.6
129	10.7		9.0	13.6

Manual Integrations
APPROVED

apatel
8/6/2018 10:26:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 70.95 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059866.D
Acq: 4 Aug 2018 5:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	317677		
182	97.3		48.1	144.3
145	34.9		16.6	49.8

