

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059868.D
 Acq On : 4 Aug 2018 6:07
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:12 AM

Quant Time: Aug 04 06:34:51 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	219242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	325888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	330665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	203167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	548221	136.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.80%	
35) Dibromofluoromethane	4.29	113	428792	125.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	251.58%	
50) Toluene-d8	7.72	98	1045829	132.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.48%	
62) 4-Bromofluorobenzene	11.51	95	535584	122.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	510533	159.43	ug/l	99
3) Chloromethane	1.09	50	255457	163.60	ug/l	98
4) Vinyl Chloride	1.16	62	277060	172.45	ug/l	90
5) Bromomethane	1.34	94	226592	170.37	ug/l	98
6) Chloroethane	1.41	64	151047	149.51	ug/l	94
7) Trichlorofluoromethane	1.53	101	660714m	154.44	ug/l	
8) Diethyl Ether	1.70	74	116417	163.07	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	335663	149.95	ug/l	98
10) Methyl Iodide	1.96	142	583804	164.20	ug/l	92
11) Tert butyl alcohol	2.69	59	110302	629.55	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	282241	158.58	ug/l	80
13) Acrolein	2.09	56	70313	924.32	ug/l	100
14) Allyl chloride	2.19	41	448727	157.28	ug/l	89
15) Acrylonitrile	3.07	53	207697	715.99	ug/l	96
16) Acetone	2.33	43	465655	648.03	ug/l	94
17) Carbon Disulfide	1.89	76	767982	173.33	ug/l	100
18) Methyl Acetate	2.45	43	186546	139.02	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	781593	148.01	ug/l	99
20) Methylene Chloride	2.27	84	240844m	117.06	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	279514	156.79	ug/l	90
22) Diisopropyl ether	2.92	45	920371	155.50	ug/l	89
23) Vinyl Acetate	3.33	43	2154377	716.75	ug/l	98
24) 1,1-Dichloroethane	2.99	63	607592	146.45	ug/l	100
25) 2-Butanone	4.51	43	589960	762.17	ug/l	97
26) 2,2-Dichloropropane	3.75	77	343157	120.14	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	309134	141.41	ug/l	92
28) Bromochloromethane	3.89	49	217785	135.25	ug/l	98
29) Tetrahydrofuran	4.26	42	206693	676.13	ug/l	99
30) Chloroform	4.04	83	792767	136.99	ug/l	95
31) Cyclohexane	3.86	56	339316	150.82	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	627284	138.27	ug/l	99
36) 1,1-Dichloropropene	4.46	75	518229	133.66	ug/l	98
37) Ethyl Acetate	4.29	43	231642	122.75	ug/l #	72
38) Carbon Tetrachloride	4.18	117	691004m	129.95	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	413312	141.28	ug/l	94
40) Benzene	4.81	78	935284	139.00	ug/l	98
41) Methacrylonitrile	4.93	41	121192	130.71	ug/l	95
42) 1,2-Dichloroethane	5.12	62	680333	141.59	ug/l	98
43) Isopropyl Acetate	7.11	43	289234	149.57	ug/l #	99
44) Trichloroethene	5.67	130	325648	124.82	ug/l	95
45) 1,2-Dichloropropane	6.40	63	255513	144.55	ug/l	90
46) Dibromomethane	6.26	93	243315	144.55	ug/l	96
47) Bromodichloromethane	6.55	83	654142	141.75	ug/l	98
48) Methyl methacrylate	6.88	41	226159	154.48	ug/l	94
49) 1,4-Dioxane	6.87	88	29589	2622.07	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1241909	807.56	ug/l	96
52) Toluene	7.78	92	686607	137.49	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	536277	136.73	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	566043	147.39	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	248045	138.65	ug/l	98
56) Ethyl methacrylate	8.76	69	297482	160.73	ug/l	89
57) 1,3-Dichloropropane	9.01	76	444880	143.39	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	154338	685.30	ug/l	100
59) 2-Hexanone	9.64	43	932437	767.65	ug/l	94
60) Dibromochloromethane	8.87	129	462734	143.81	ug/l	98
61) 1,2-Dibromoethane	9.14	107	317702	149.60	ug/l	99
64) Tetrachloroethene	8.31	164	378825	140.48	ug/l	99
65) Chlorobenzene	9.94	112	923324	136.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	418527	131.62	ug/l	98
67) Ethyl Benzene	10.05	91	1582039	134.51	ug/l	95
68) m/p-Xylenes	10.28	106	1085766	263.37	ug/l	84
69) o-Xylene	10.83	106	609471	139.77	ug/l	91
70) Styrene	10.91	104	873980	133.82	ug/l	99
71) Bromoform	10.89	173	278565	136.42	ug/l #	94
73) Isopropylbenzene	11.23	105	1798713	132.23	ug/l	95
74) N-amyl acetate	11.47	43	490268	146.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	334304	132.78	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	280863	130.12	ug/l	99
77) Bromobenzene	11.60	156	484566	136.87	ug/l	96
78) n-propylbenzene	11.69	91	1970035	124.19	ug/l	95
79) 2-Chlorotoluene	11.82	91	1287038	130.54	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	1565504	127.76	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	126074m	145.14	ug/l	
82) 4-Chlorotoluene	11.99	91	1401617	133.20	ug/l	98
83) tert-Butylbenzene	12.22	119	1508714	124.07	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	1609479	130.86	ug/l	94
85) sec-Butylbenzene	12.39	105	2034124	129.92	ug/l	96
86) p-Isopropyltoluene	12.55	119	1665263	120.59	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	822971	121.90	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	832602	126.08	ug/l	94
89) n-Butylbenzene	12.92	91	1585085	122.05	ug/l	92
90) Hexachloroethane	13.00	117	459398	132.53	ug/l	97
91) 1,2-Dichlorobenzene	13.03	146	839877	128.64	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	95215	152.10	ug/l	98

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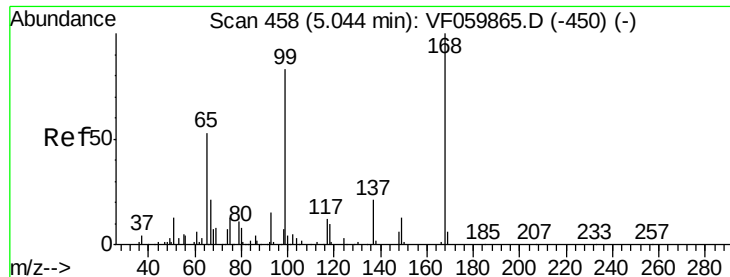
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	638010	125.75	ug/l	93
94) Hexachlorobutadiene	14.26	225	434955	127.90	ug/l	97
95) Naphthalene	14.53	128	1343967	151.42	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	655623	133.05	ug/l	96

(#) = 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: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 219242

Ion Ratio Lower Upper

168 100

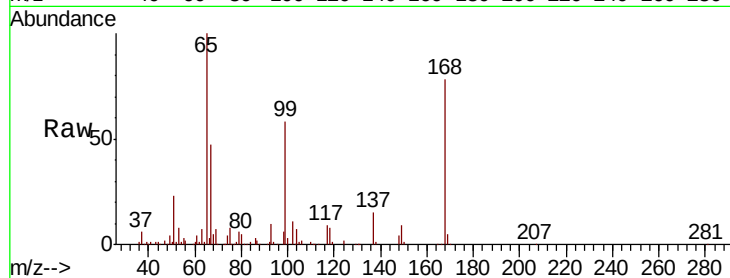
99 74.2 66.3 99.5

Manual Integrations

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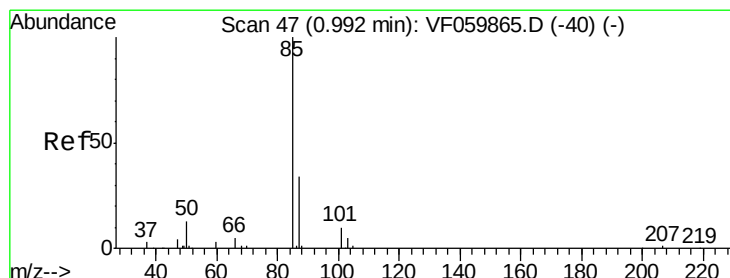
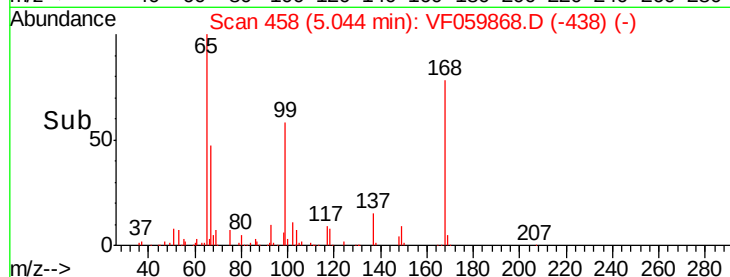
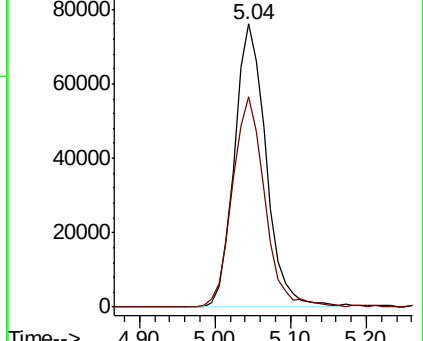
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 159.43 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059868.D

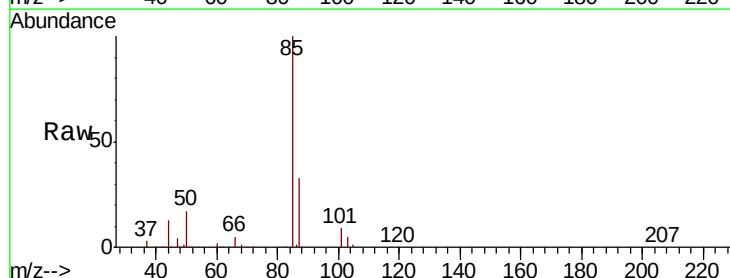
Acq: 4 Aug 2018 6:07

Tgt Ion: 85 Resp: 510533

Ion Ratio Lower Upper

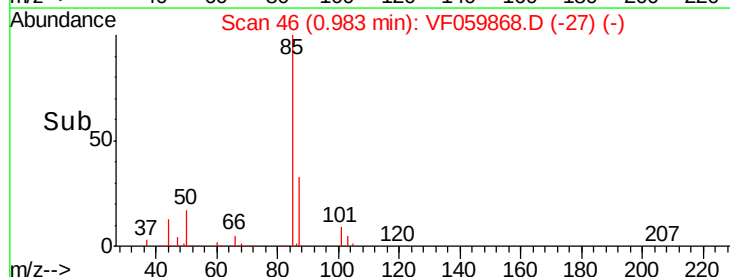
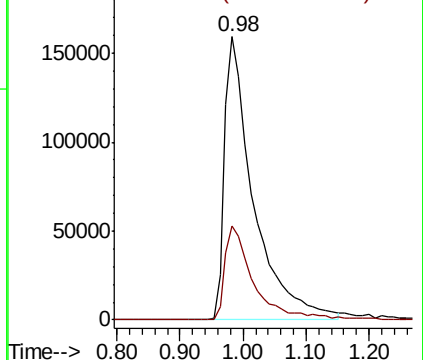
85 100

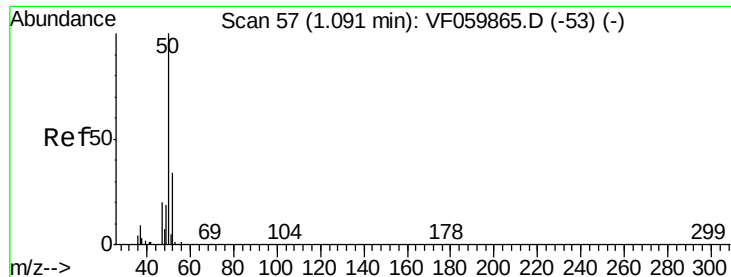
87 33.1 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 163.60 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 255457

Ion Ratio Lower Upper

50 100

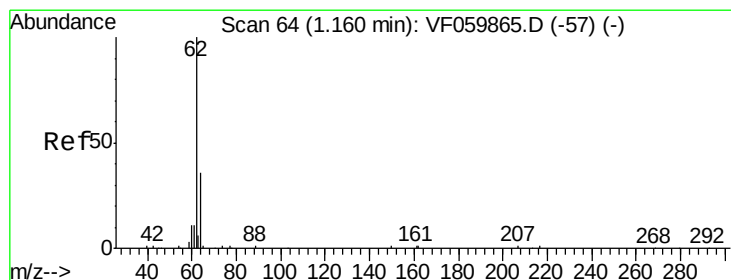
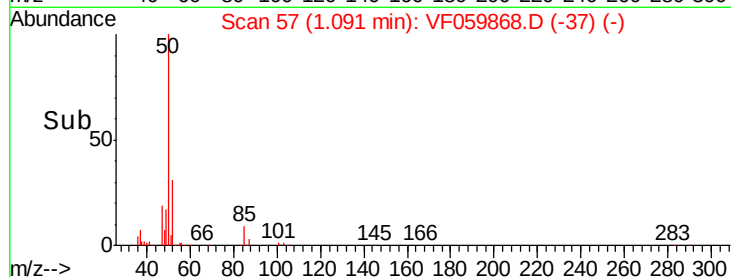
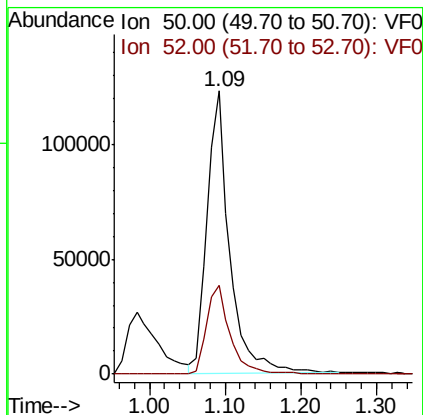
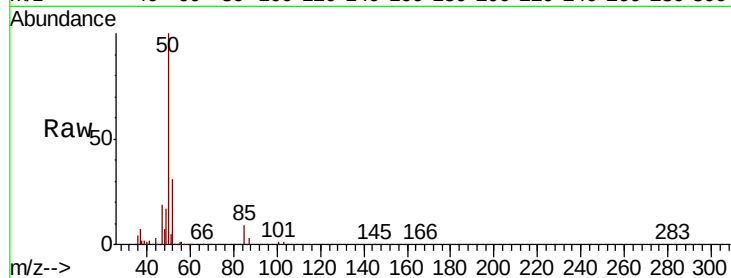
52 31.3 25.8 38.8

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#4

Vinyl Chloride

Concen: 172.45 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059868.D

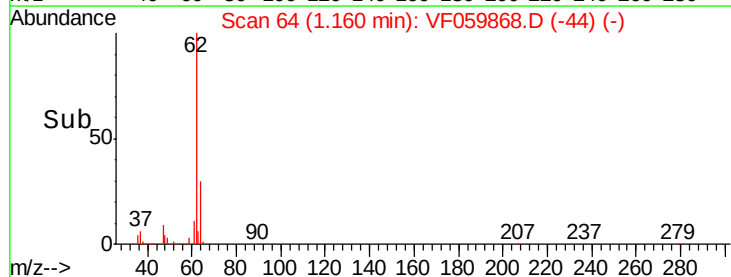
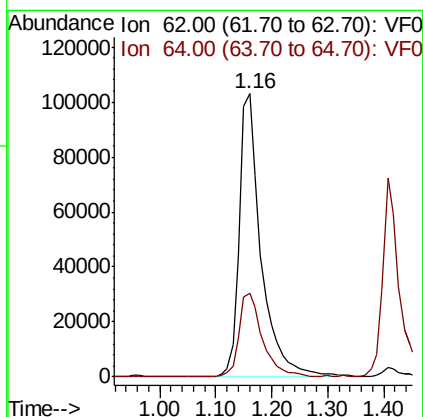
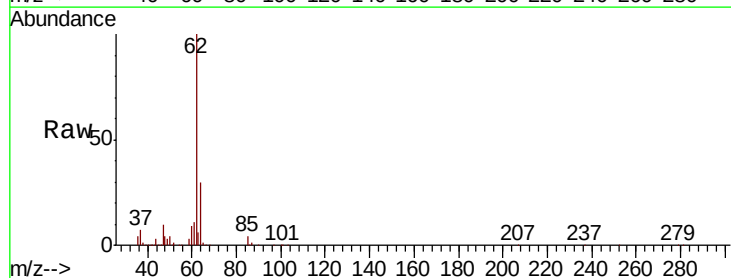
Acq: 4 Aug 2018 6:07

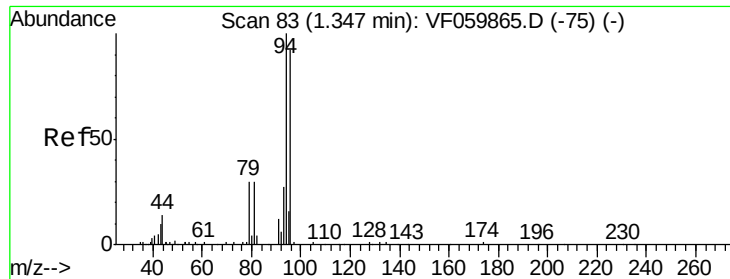
Tgt Ion: 62 Resp: 277060

Ion Ratio Lower Upper

62 100

64 29.5 28.5 42.7





#5

Bromomethane

Concen: 170.37 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 226592

Ion Ratio Lower Upper

94 100

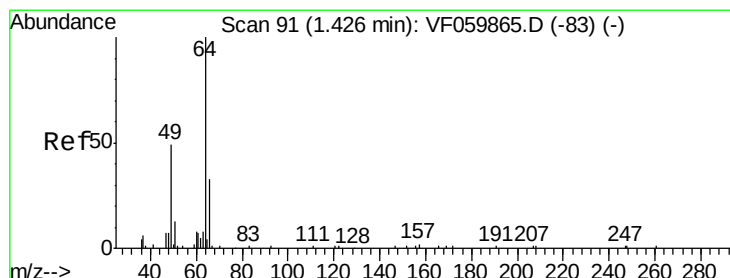
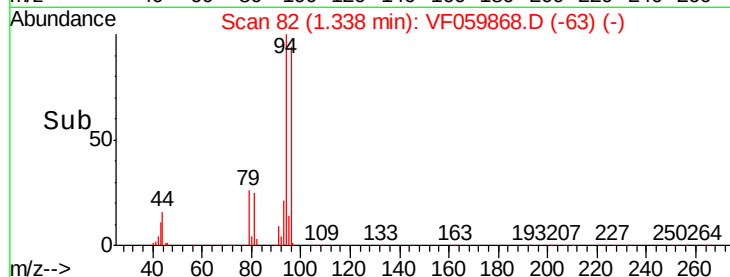
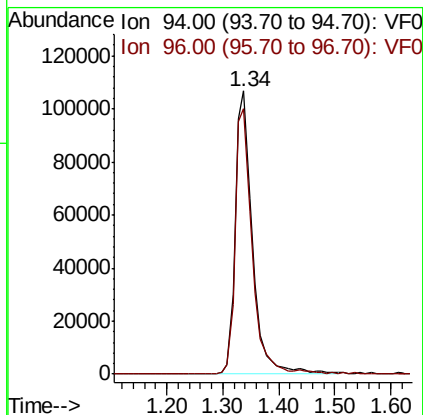
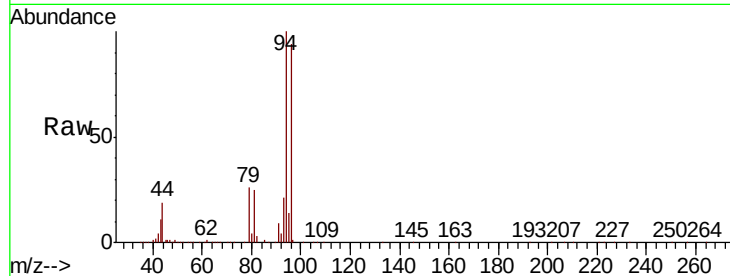
96 93.8 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 149.51 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059868.D

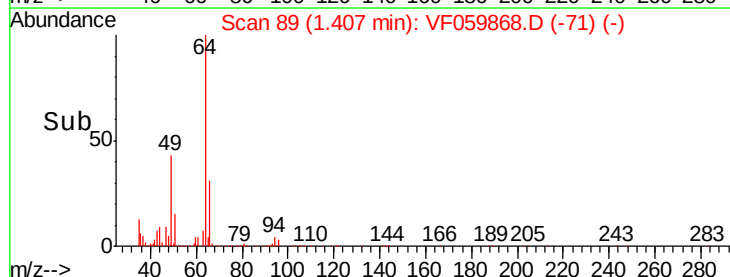
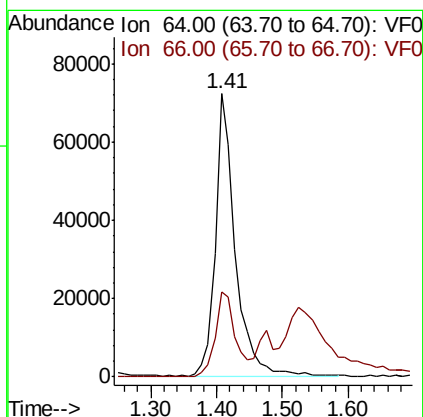
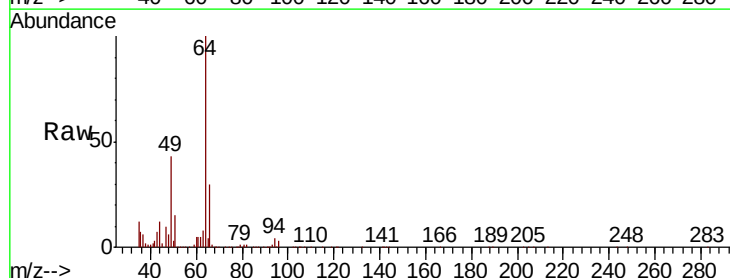
Acq: 4 Aug 2018 6:07

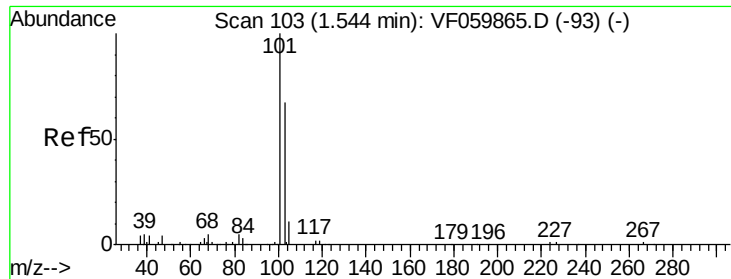
Tgt Ion: 64 Resp: 151047

Ion Ratio Lower Upper

64 100

66 30.1 26.9 40.3





#7

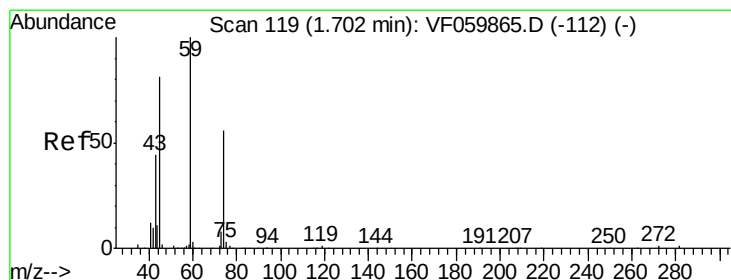
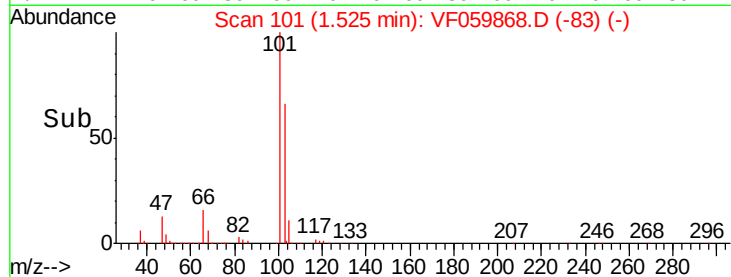
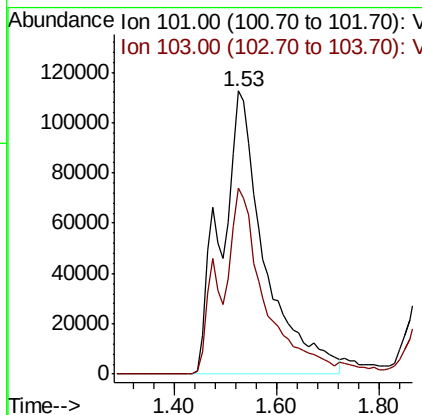
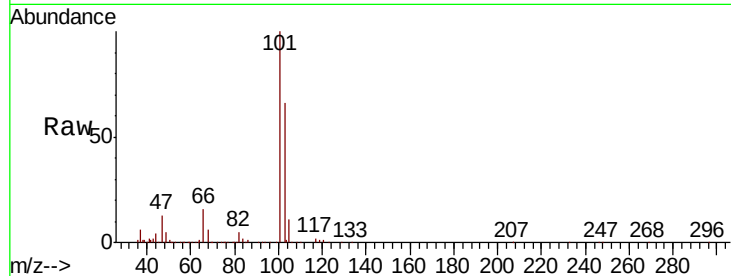
Trichlorofluoromethane
 Concen: 154.44 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.02 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

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 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		660714		
103	65.8	53.6	80.4		

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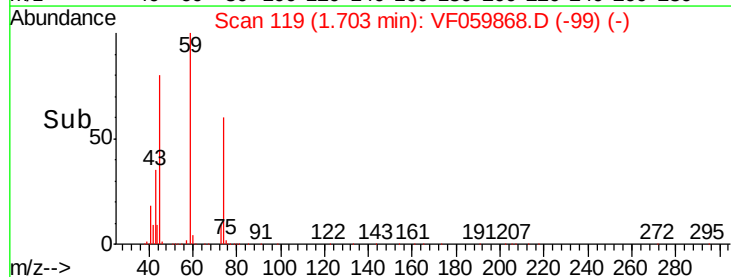
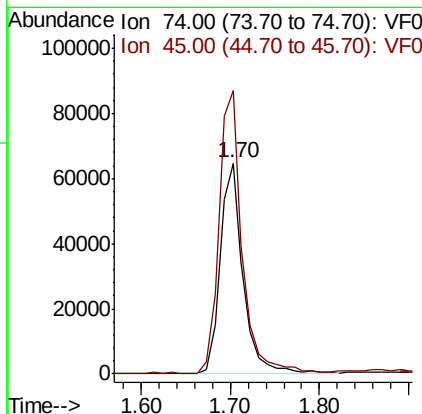
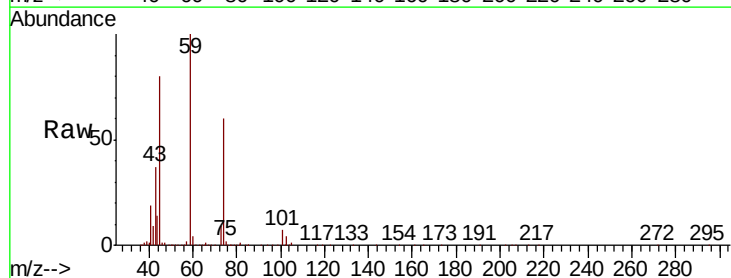
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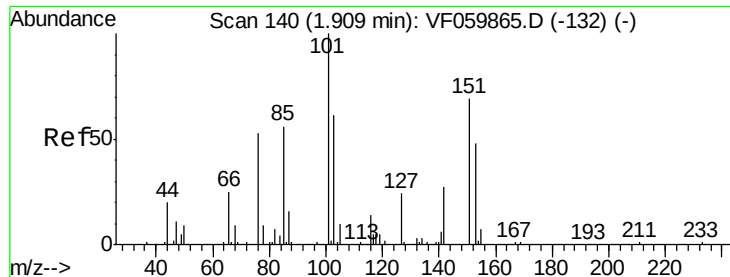


#8

Diethyl Ether
 Concen: 163.07 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		116417		
45	134.4	73.6	220.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.95 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

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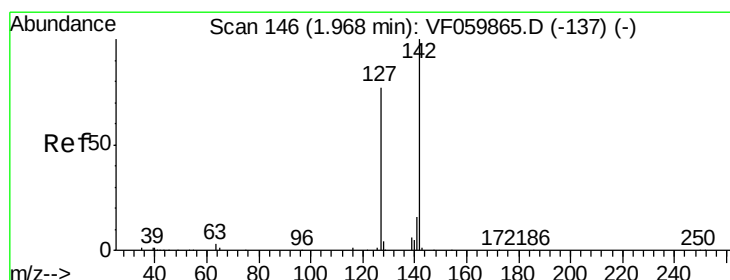
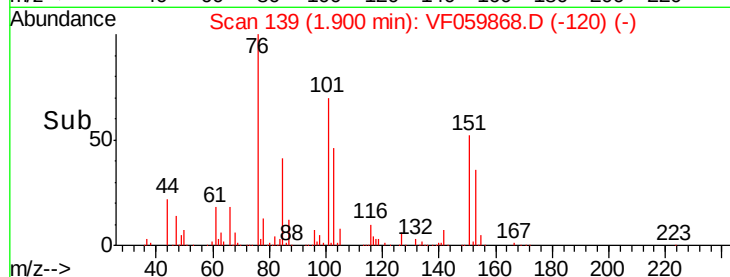
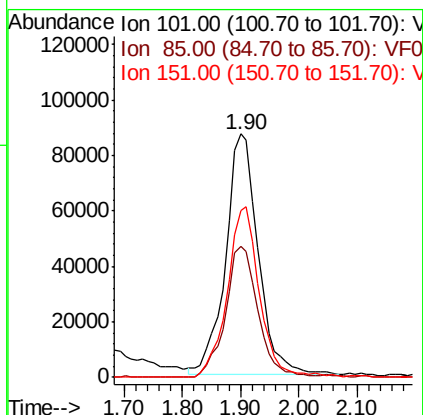
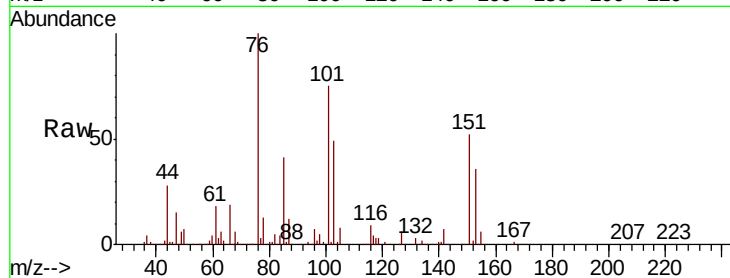
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	335663
Ion Ratio	Lower	Upper	
101	100		
85	53.9	44.5	66.7
151	68.7	53.8	80.8

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#10

Methyl Iodide

Concen: 164.20 ug/l

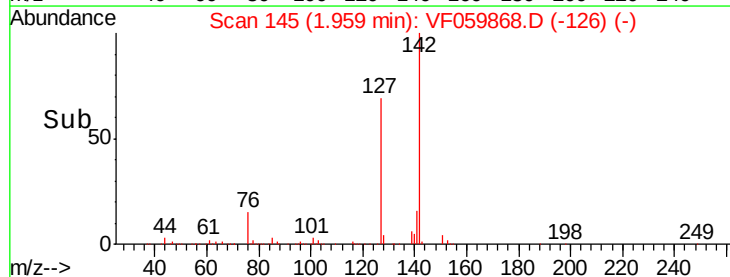
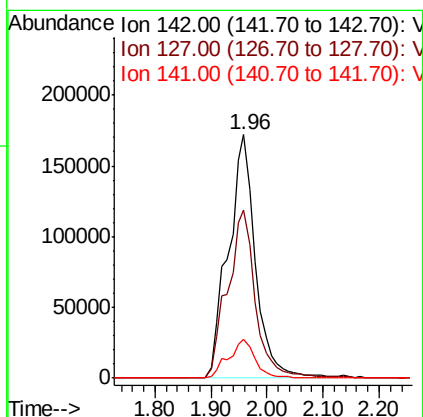
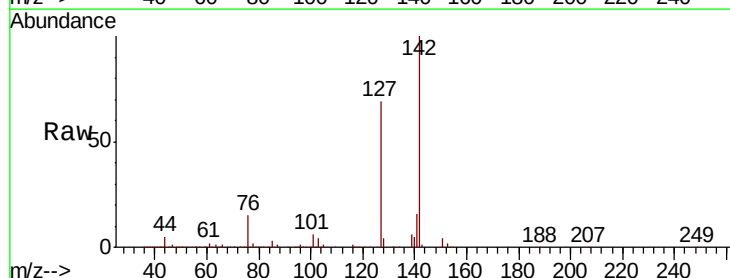
RT: 1.96 min Scan# 145

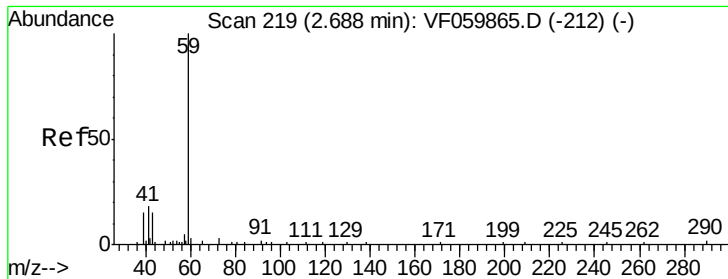
Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	142	Resp:	583804
Ion Ratio	Lower	Upper	
142	100		
127	69.1	61.5	92.3
141	15.8	13.0	19.4





#11

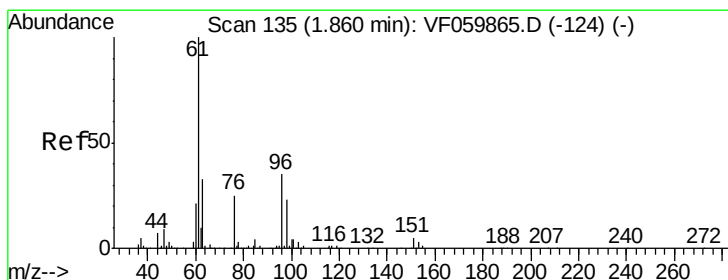
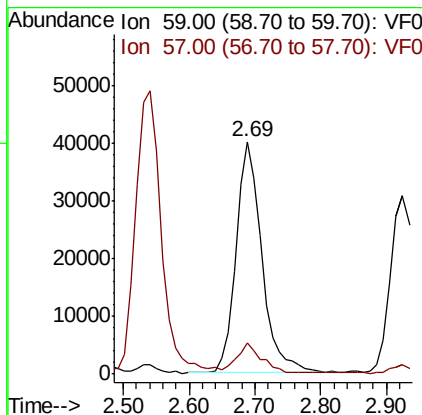
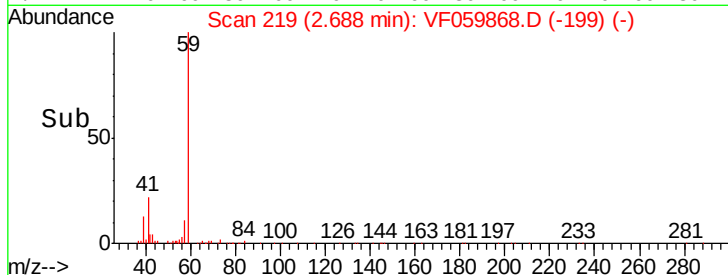
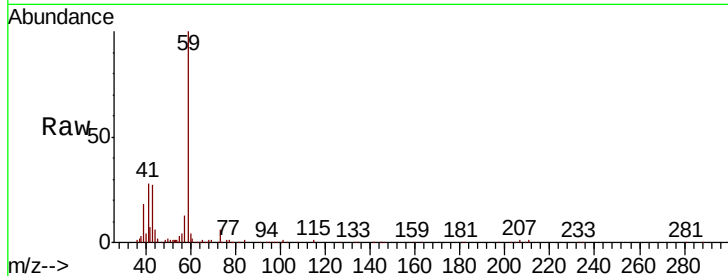
Tert butyl alcohol
Concen: 629.55 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.5	7.6	11.4#

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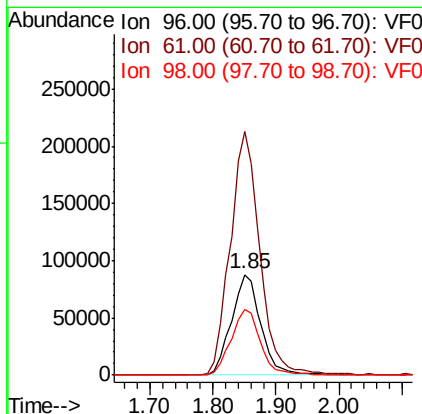
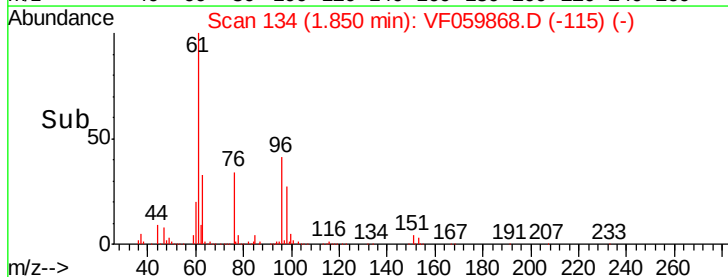
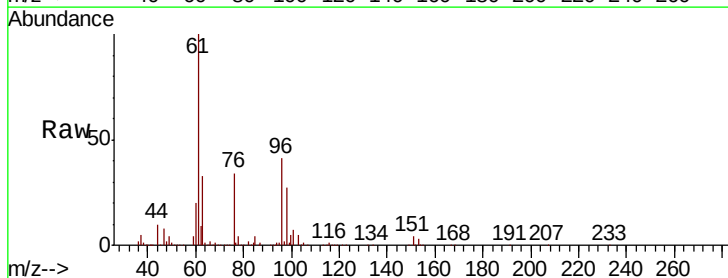
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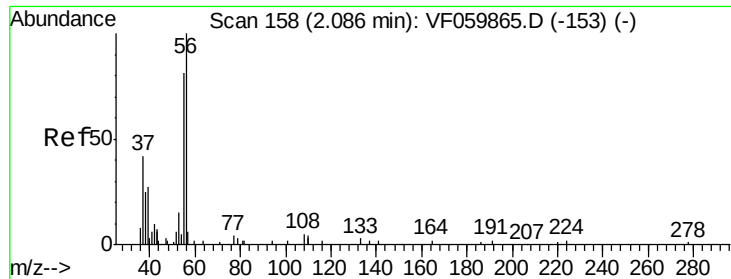


#12

1,1-Dichloroethene
Concen: 158.58 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.1	230.2	345.2
98	65.7	52.7	79.1





#13

Acrolein

Concen: 924.32 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 70313

Ion Ratio Lower Upper

56 100

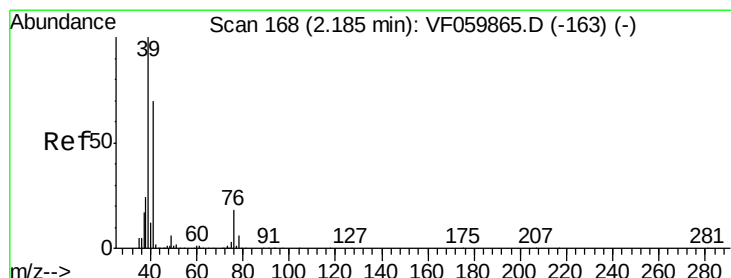
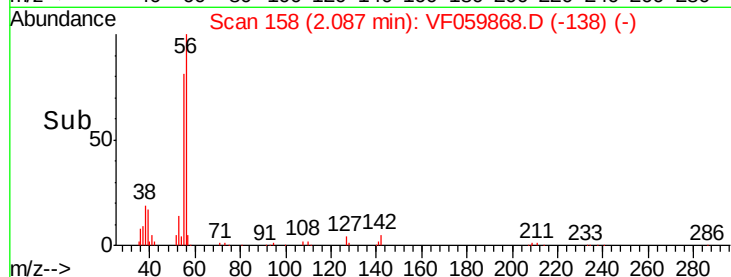
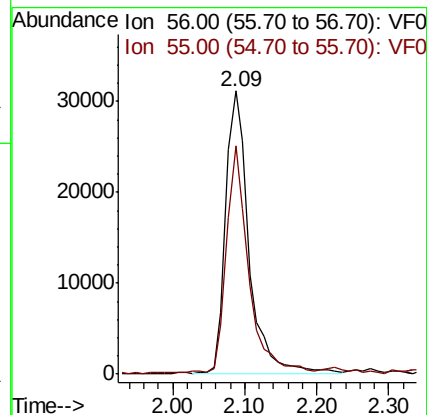
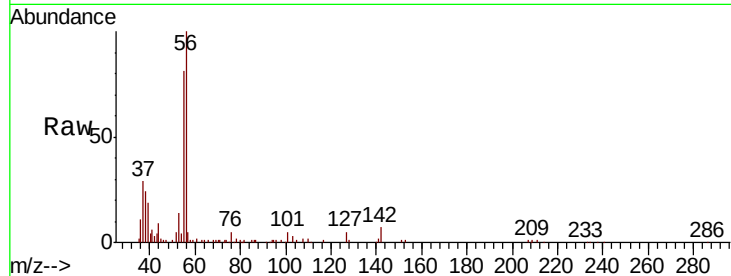
55 80.8 64.6 96.8

Manual Integrations

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#14

Allyl chloride

Concen: 157.28 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

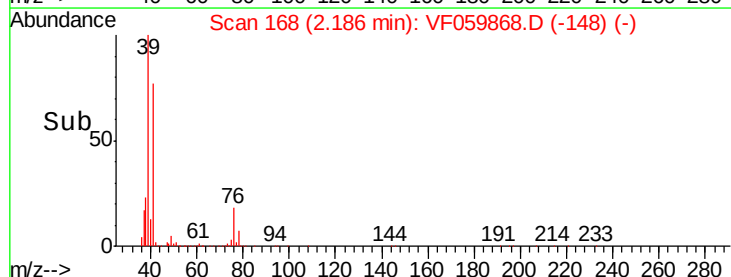
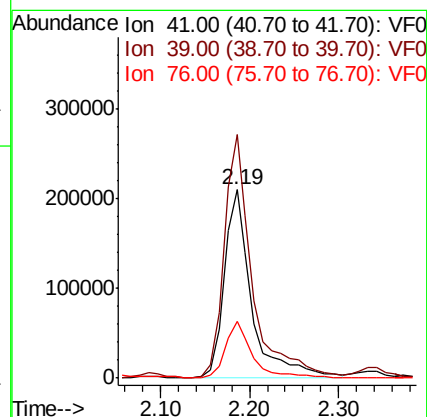
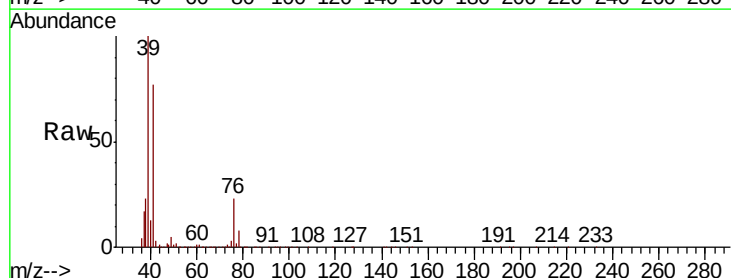
Tgt Ion: 41 Resp: 448727

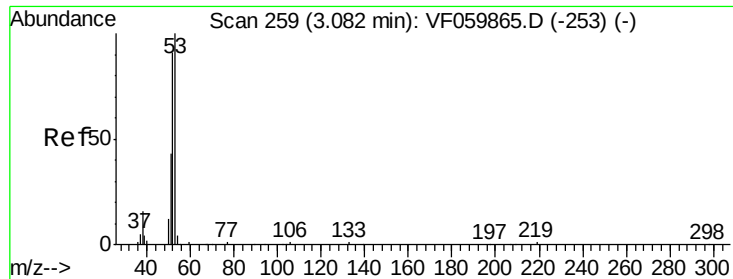
Ion Ratio Lower Upper

41 100

39 129.5 114.6 171.8

76 30.0 21.0 31.4





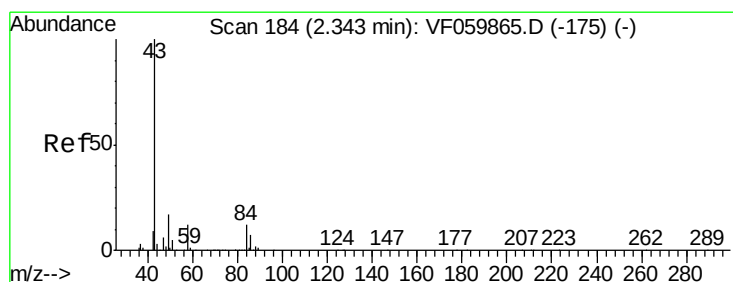
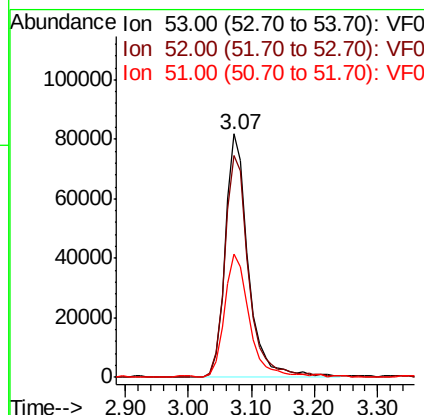
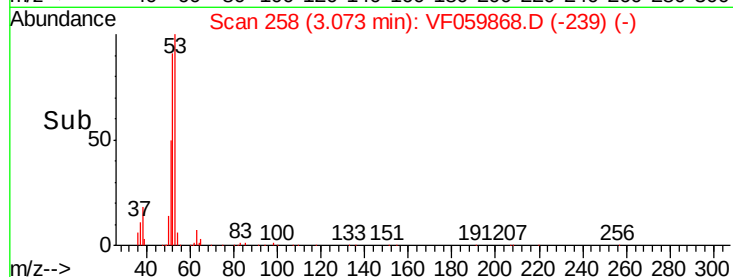
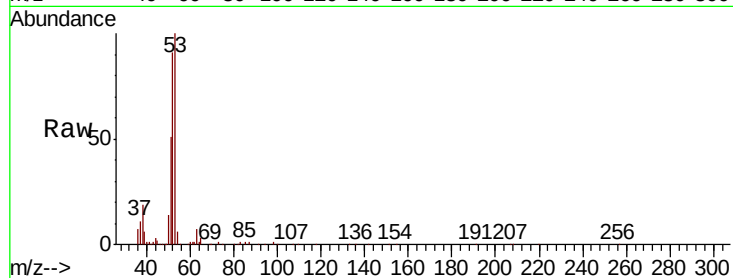
#15
 Acrylonitrile
 Concen: 715.99 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:	53	Resp:	207697
Ion Ratio	Lower	Upper	
53	100		
52	91.1	72.9	109.3
51	50.6	34.5	51.7

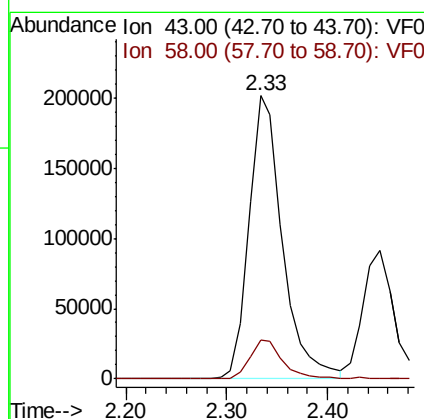
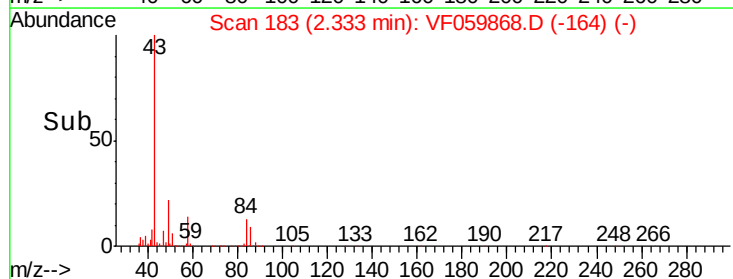
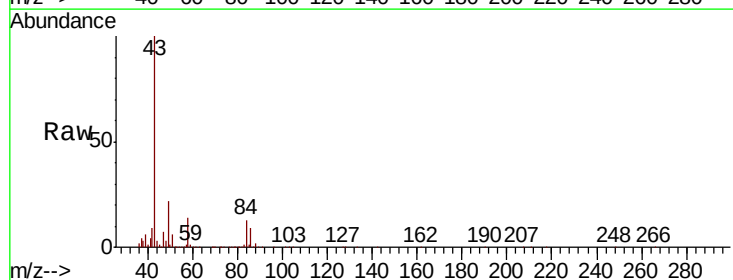
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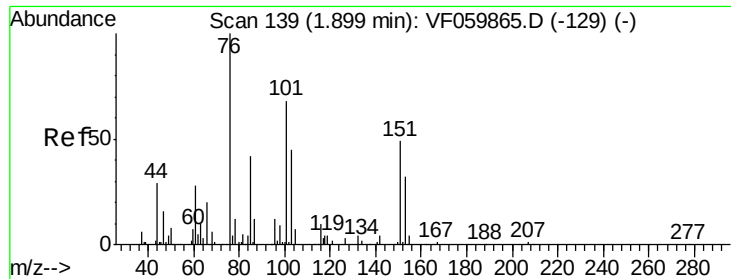
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#16
 Acetone
 Concen: 648.03 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion:	43	Resp:	465655
Ion Ratio	Lower	Upper	
43	100		
58	13.9	9.4	14.0





#17

Carbon Disulfide

Concen: 173.33 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tot Ion: 76 Resp: 767982

Ion Ratio Lower Upper

76 100

78 11.5 9.3 13.9

Instrument :

MSVOA_F

ClientSampleId :

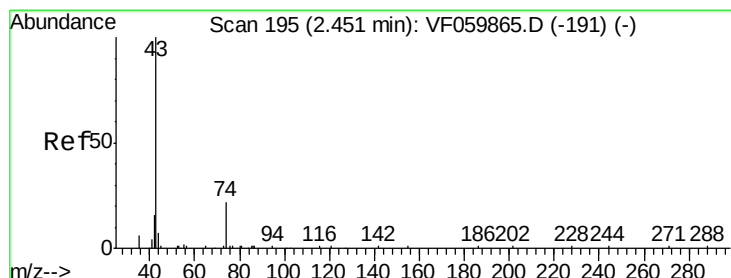
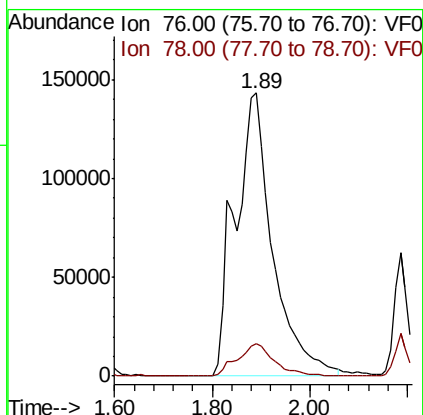
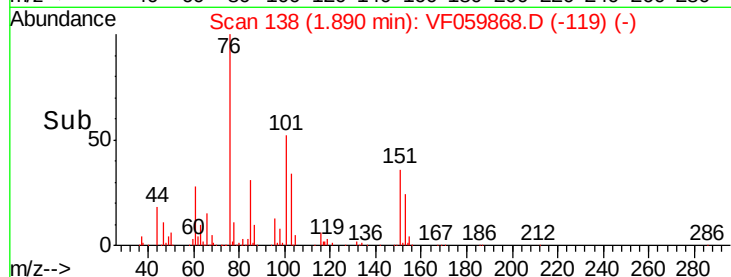
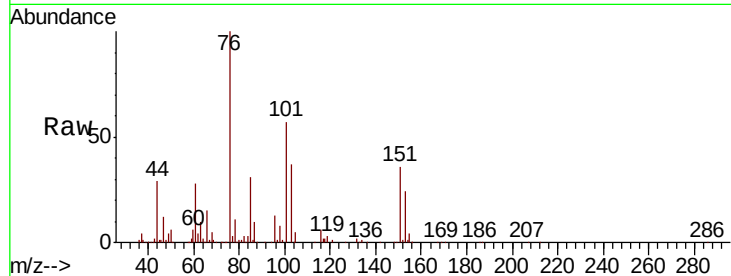
VSTDIC150

Manual Integrations

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#18

Methyl Acetate

Concen: 139.02 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059868.D

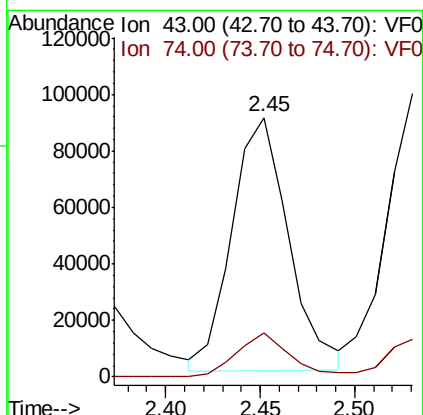
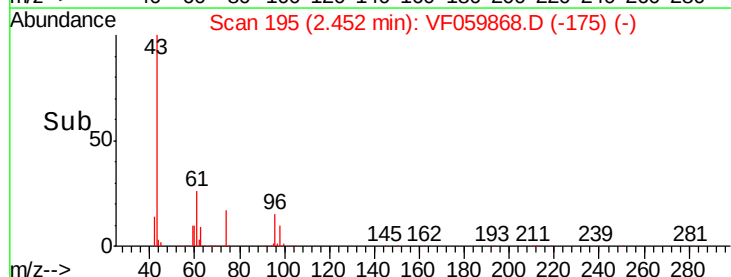
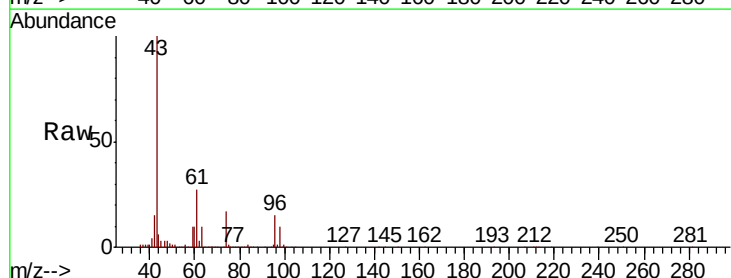
Acq: 4 Aug 2018 6:07

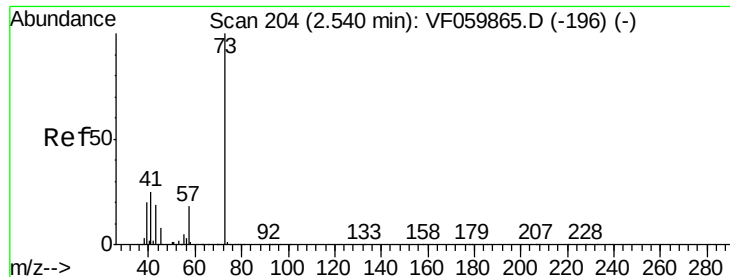
Tgt Ion: 43 Resp: 186546

Ion Ratio Lower Upper

43 100

74 16.8 16.3 24.5





#19

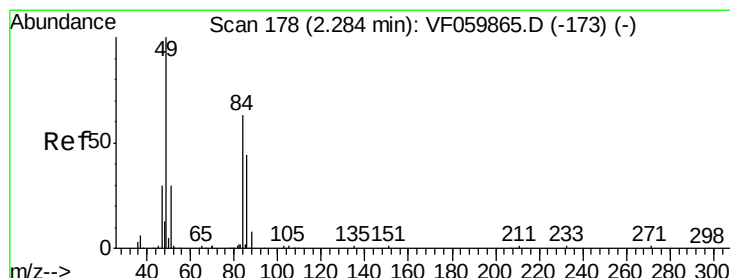
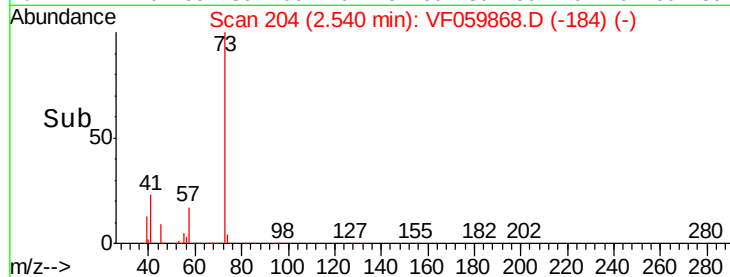
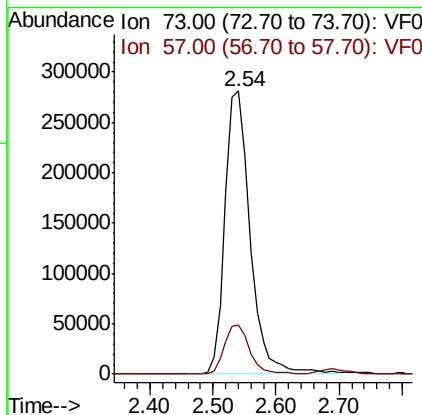
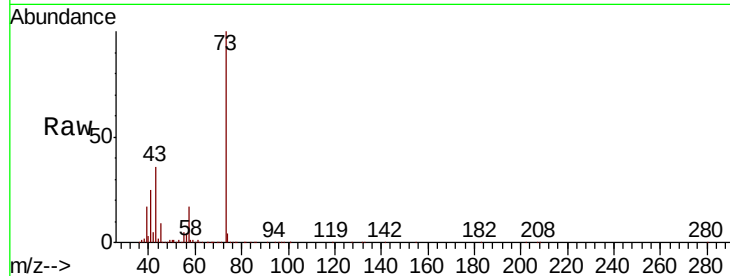
Methyl tert-butyl Ether
 Concen: 148.01 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.4	14.3	21.5

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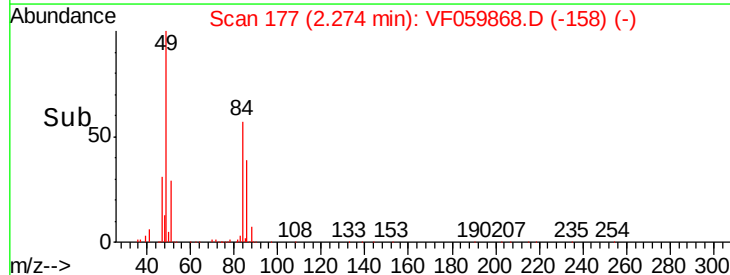
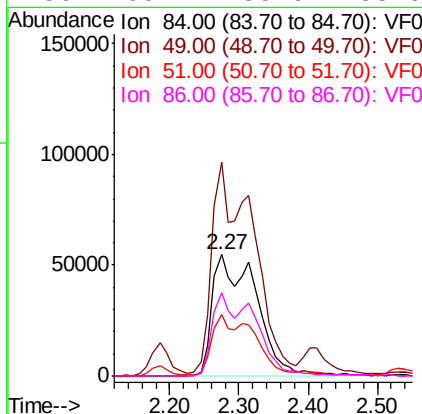
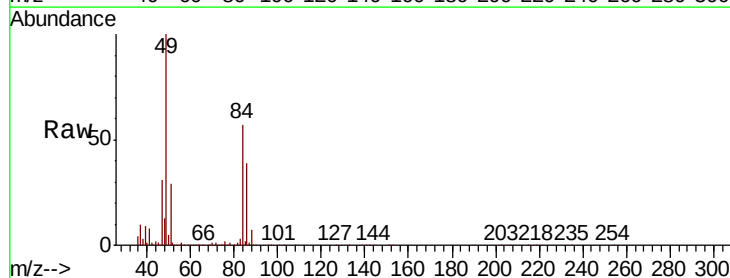
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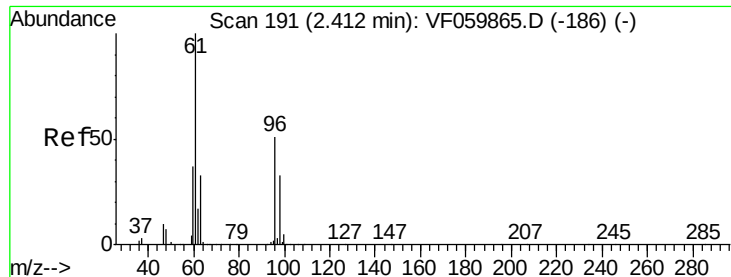


#20

Methylene Chloride
 Concen: 117.06 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	176.0	128.7	193.1
51	50.7	39.3	58.9
86	69.1	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 156.79 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

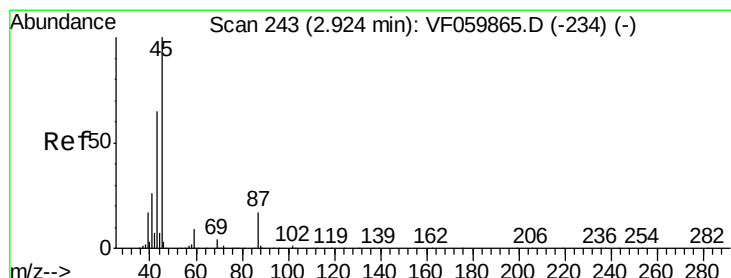
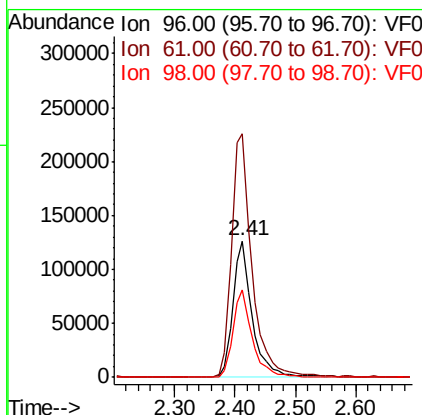
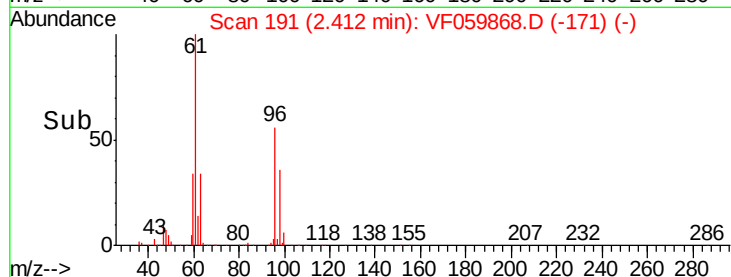
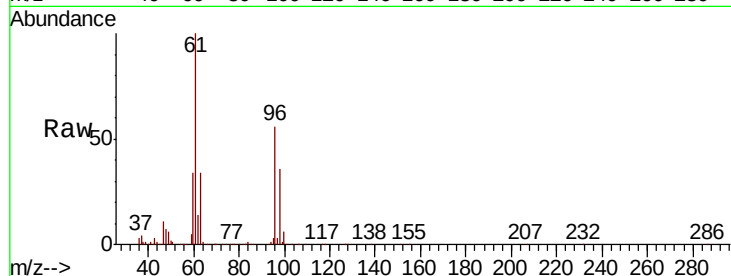
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	279514
Ion Ratio	Lower	Upper	
96	100		
61	178.9	158.2	237.4
98	64.6	52.0	78.0

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#22

Diisopropyl ether

Concen: 155.50 ug/l

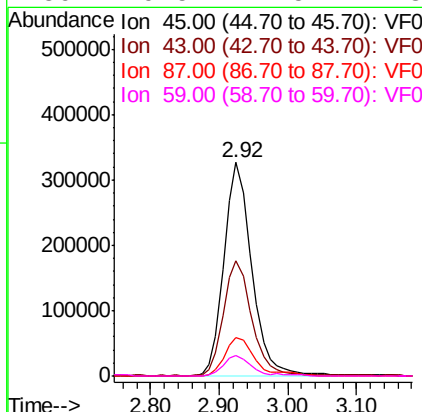
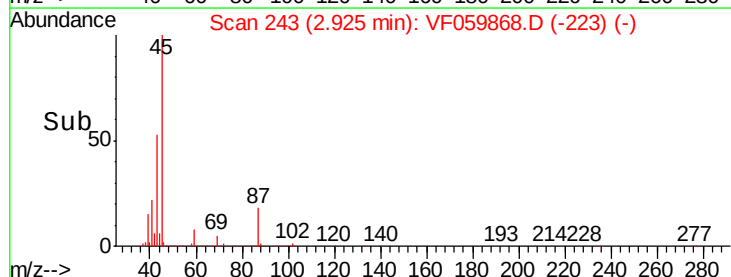
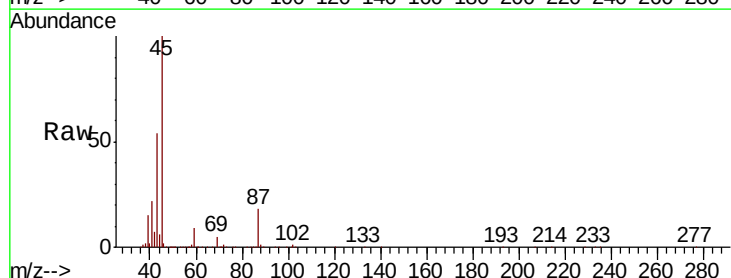
RT: 2.92 min Scan# 243

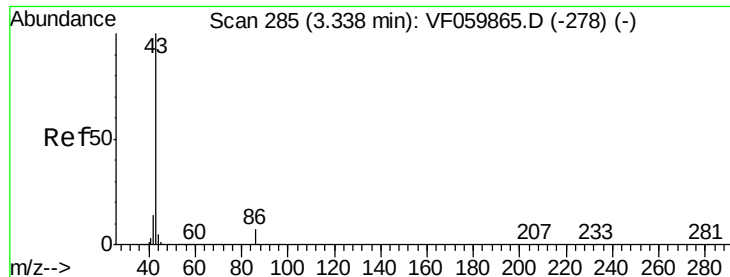
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	45	Resp:	920371
Ion Ratio	Lower	Upper	
45	100		
43	53.7	52.1	78.1
87	18.3	13.8	20.8
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 716.75 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2154377

Ion Ratio Lower Upper

43 100

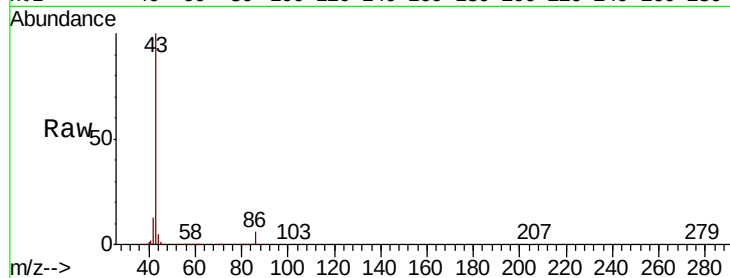
86 6.4 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

800000

600000

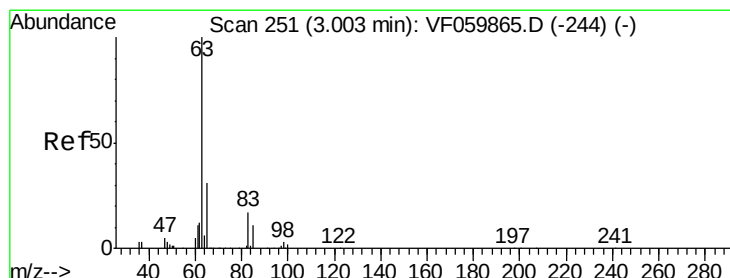
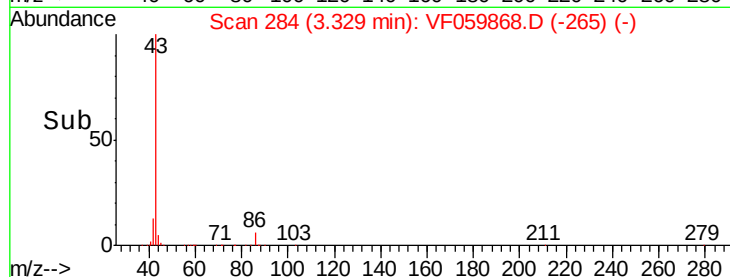
400000

200000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 146.45 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

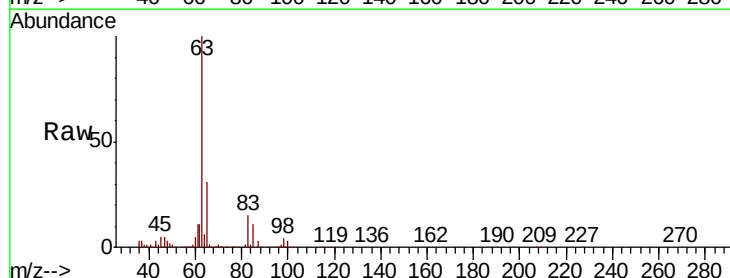
Tgt Ion: 63 Resp: 607592

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.5 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

300000

250000

200000

150000

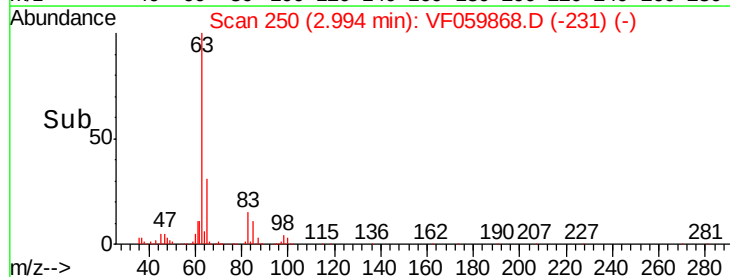
100000

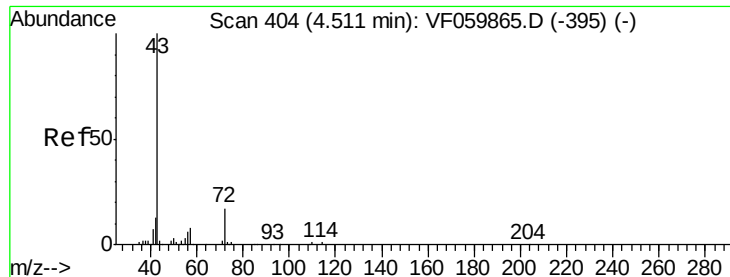
50000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 762.17 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 589960

Ion Ratio Lower Upper

43 100

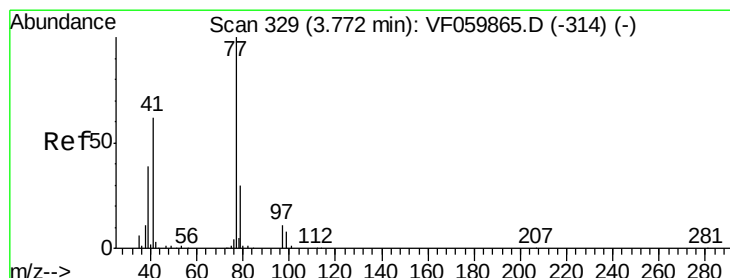
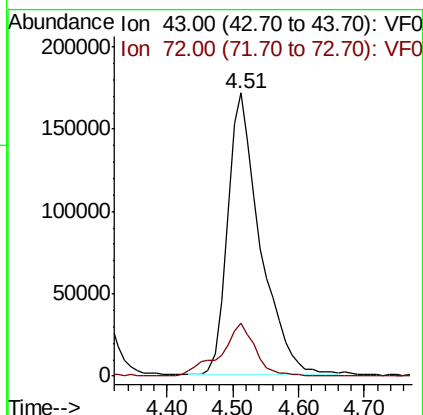
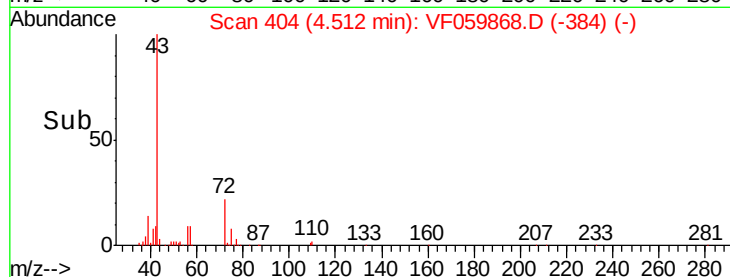
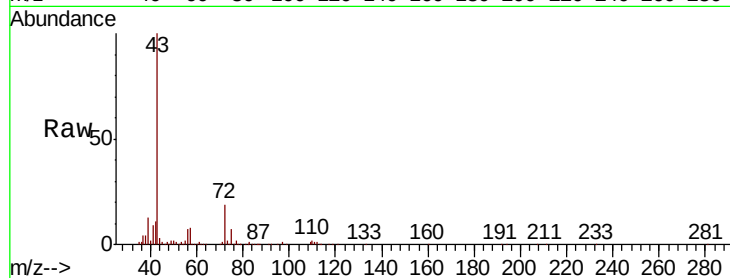
72 18.6 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 120.14 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059868.D

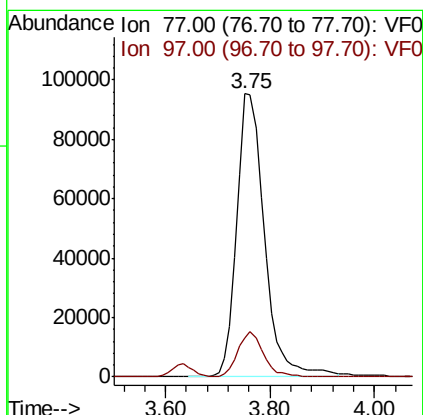
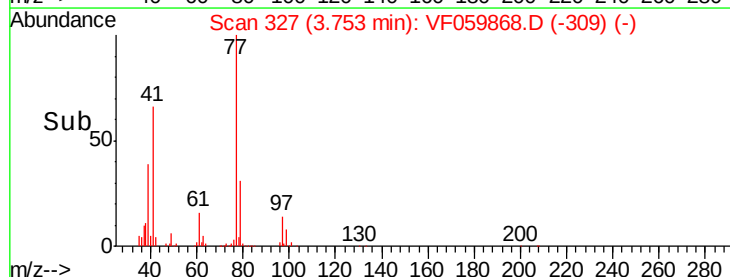
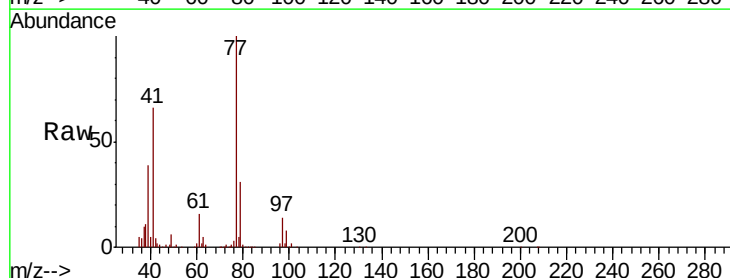
Acq: 4 Aug 2018 6:07

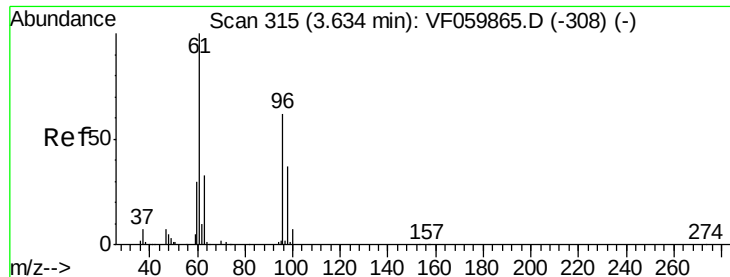
Tgt Ion: 77 Resp: 343157

Ion Ratio Lower Upper

77 100

97 13.7 6.8 20.3





#27

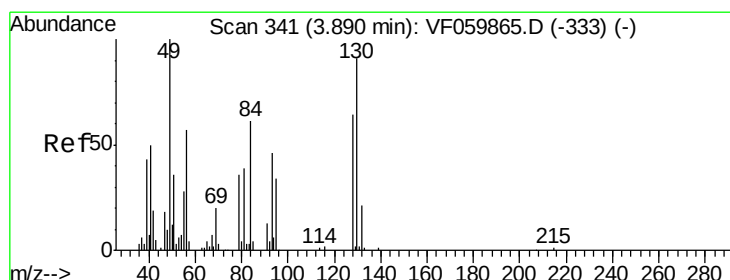
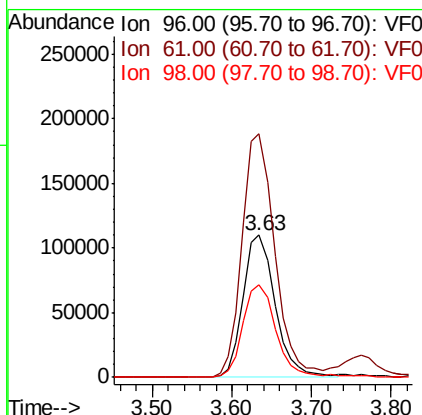
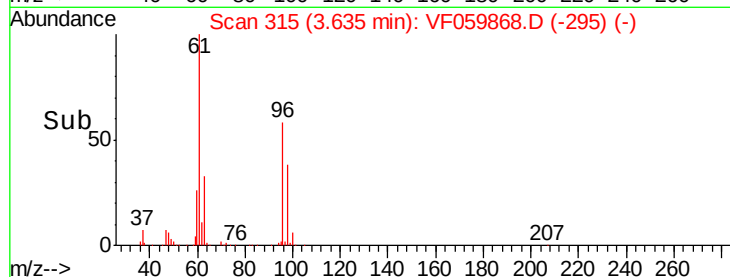
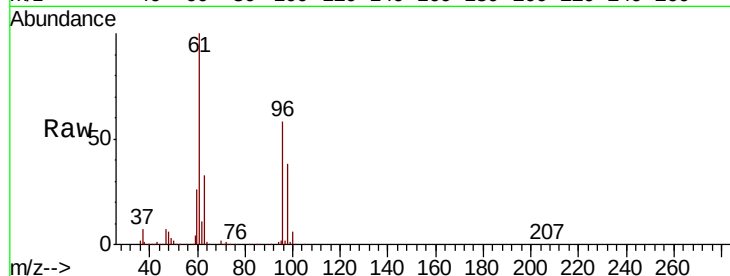
cis-1,2-Dichloroethene
 Concen: 141.41 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	309134		
61	171.2	0.0	320.8	
98	65.5	0.0	117.6	

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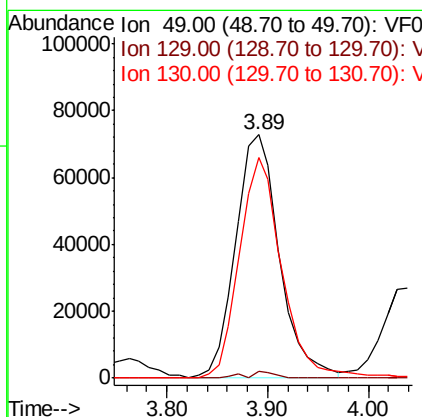
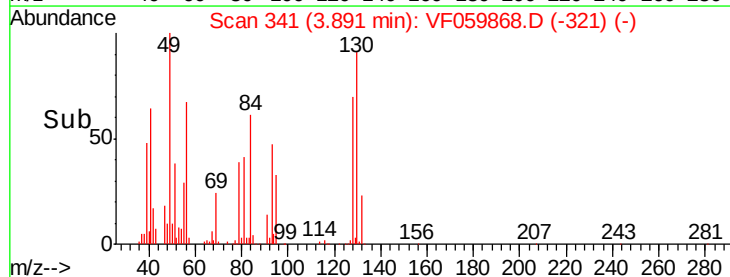
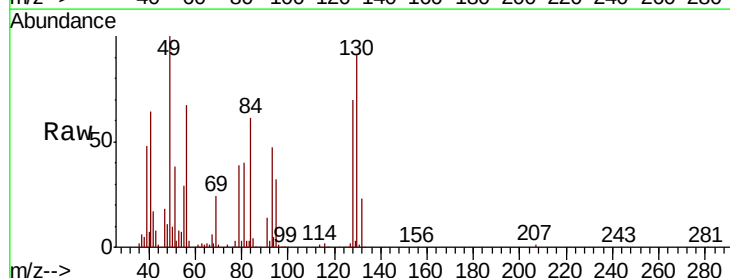
apatel
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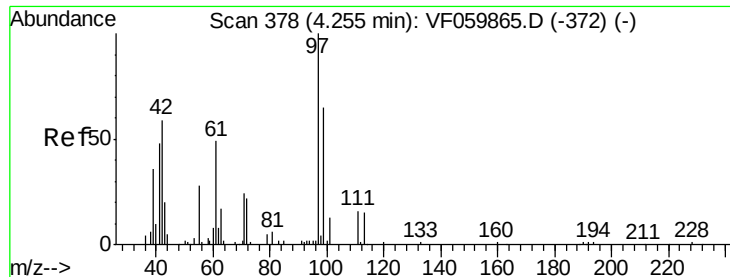


#28

Bromochloromethane
 Concen: 135.25 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217785		
129	2.8	0.0	4.6	
130	90.7	73.8	110.8	





#29

Tetrahydrofuran

Concen: 676.13 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

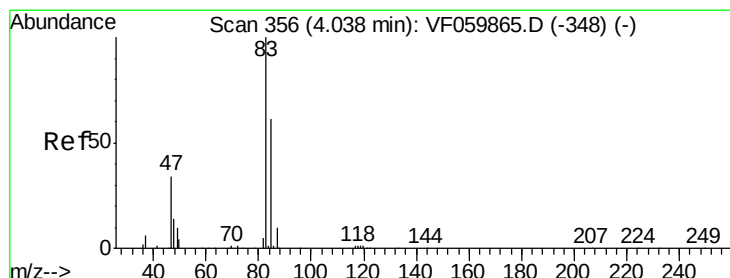
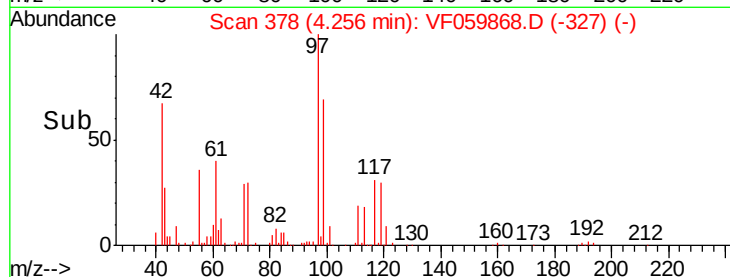
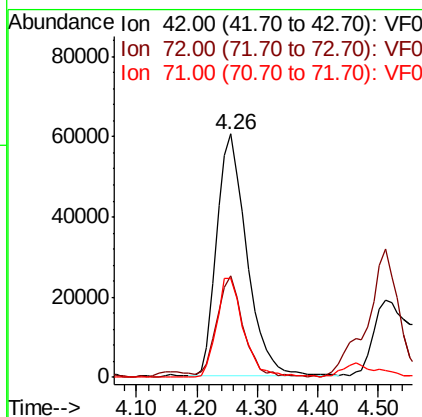
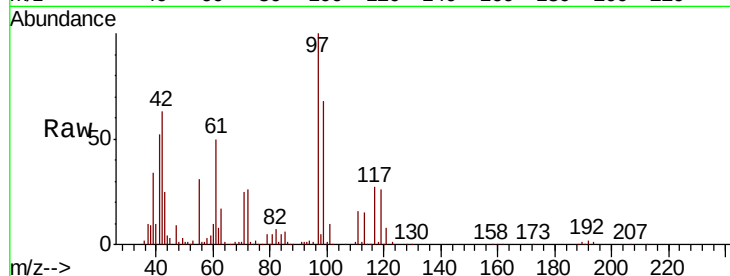
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	206693
Ion Ratio		Lower	Upper
42	100		
72	37.5	29.3	43.9
71	37.5	30.0	45.0

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#30

Chloroform

Concen: 136.99 ug/l

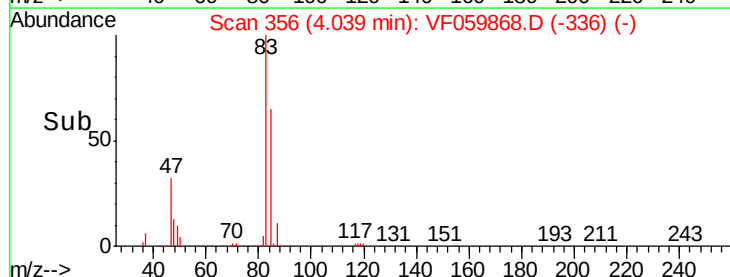
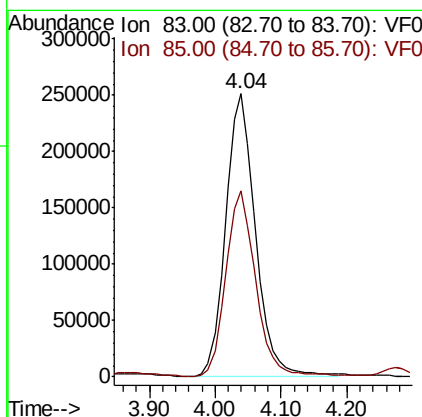
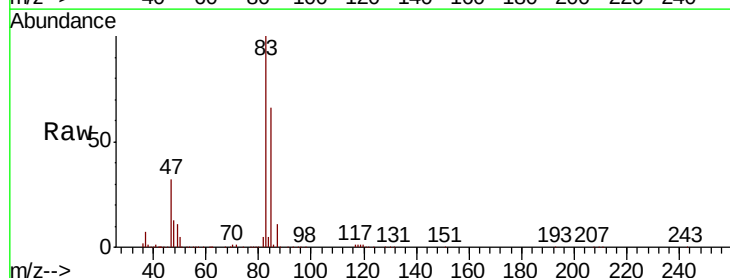
RT: 4.04 min Scan# 356

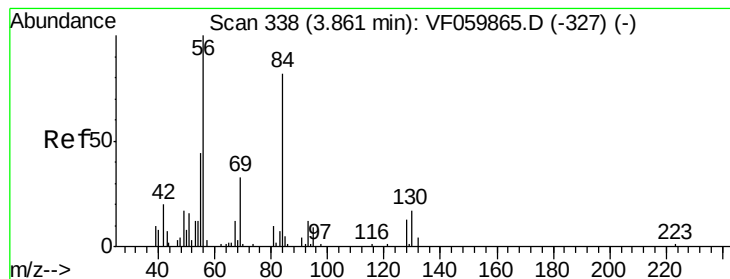
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	83	Resp:	792767
Ion Ratio		Lower	Upper
83	100		
85	65.5	49.3	73.9





#31

Cyclohexane

Concen: 150.82 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

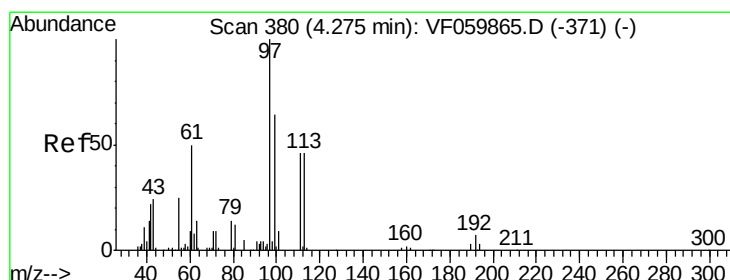
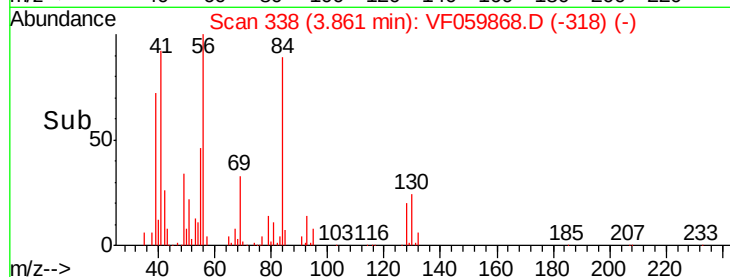
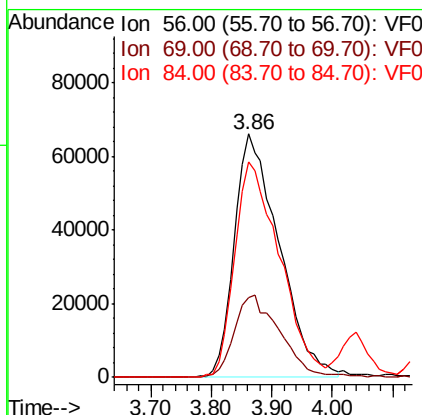
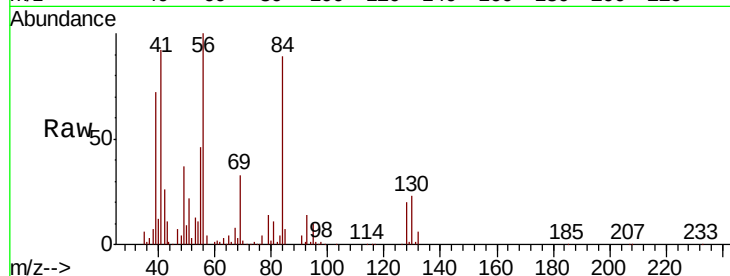
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	339316
Ion Ratio	Lower	Upper	
56	100		
69	32.6	26.7	40.1
84	88.6	65.9	98.9

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#32

1,1,1-Trichloroethane

Concen: 138.27 ug/l

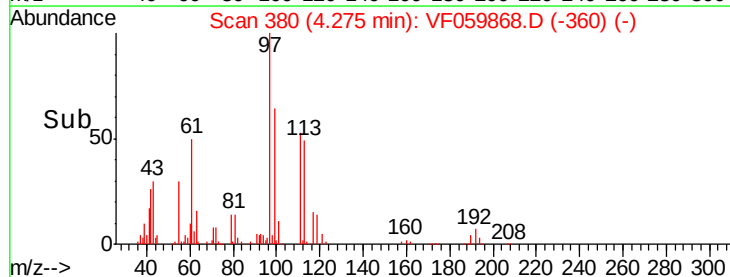
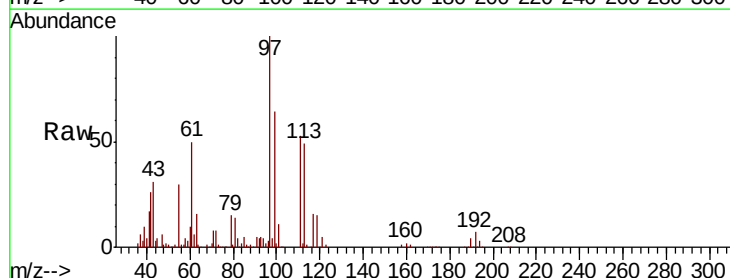
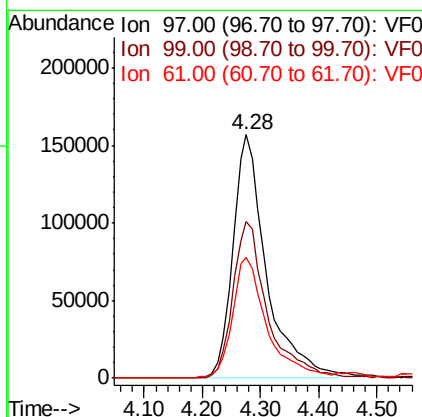
RT: 4.28 min Scan# 380

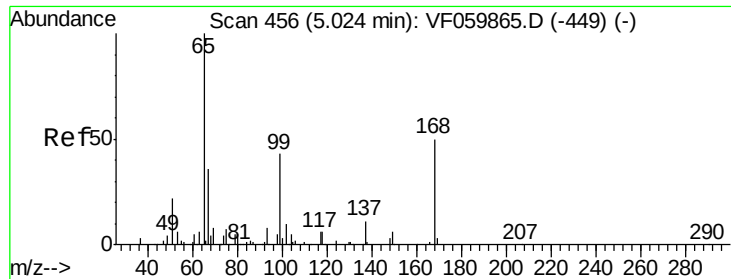
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	97	Resp:	627284
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.4	77.2
61	49.8	40.8	61.2





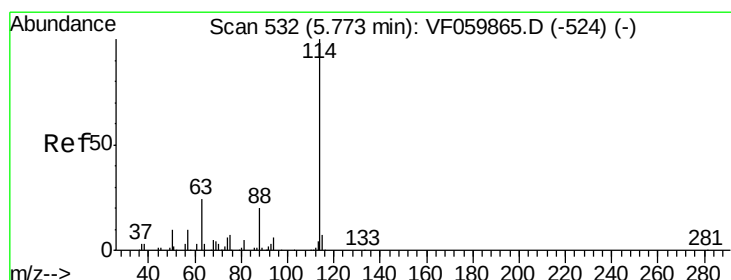
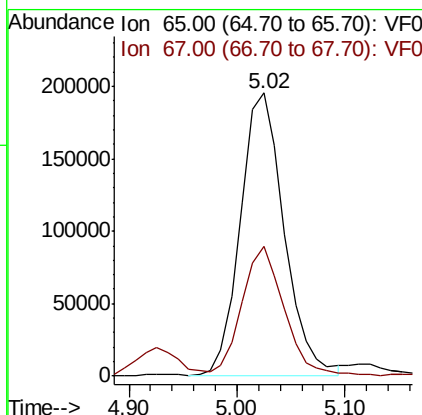
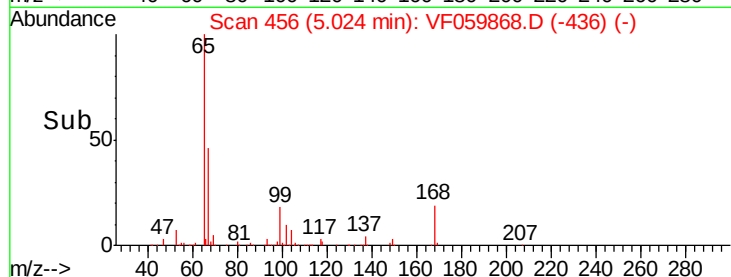
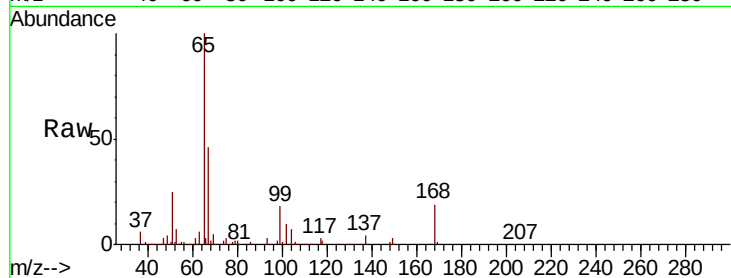
#33
 1,2-Dichloroethane-d4
 Concen: 136.90 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	548221		
67	45.8	0.0	77.2	

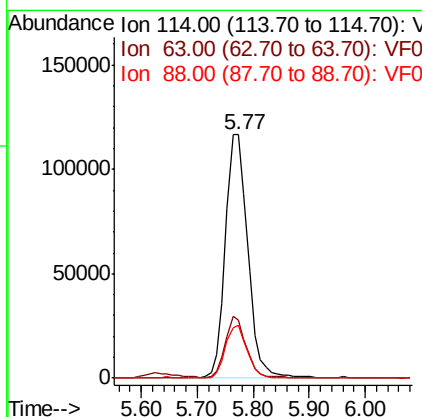
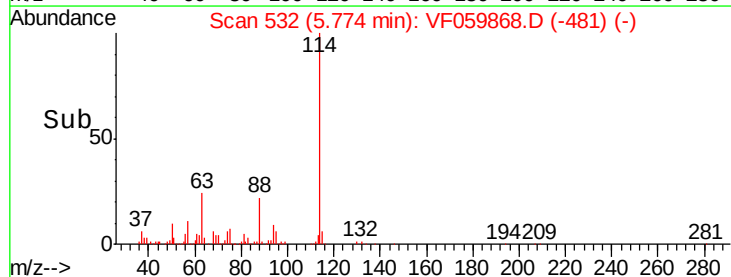
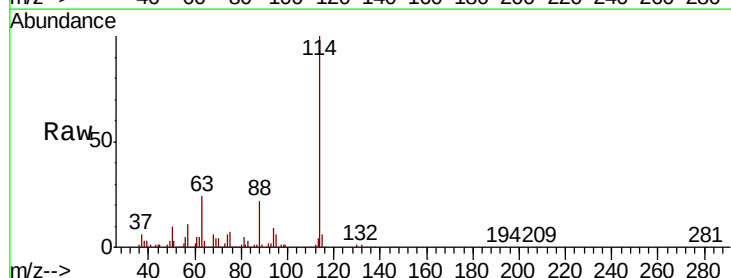
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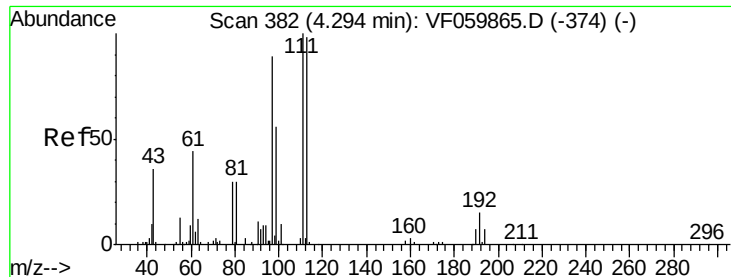
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	325888		
63	23.9	0.0	48.0	
88	22.0	0.0	39.4	





#35

Dibromofluoromethane

Concen: 125.79 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

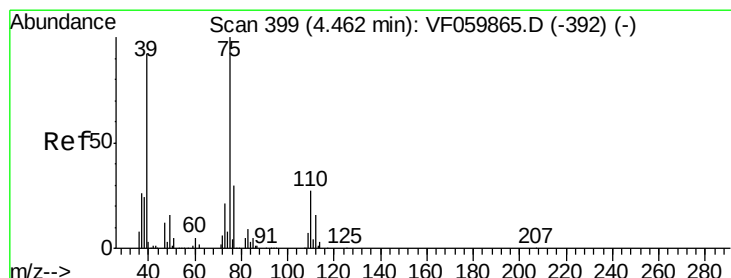
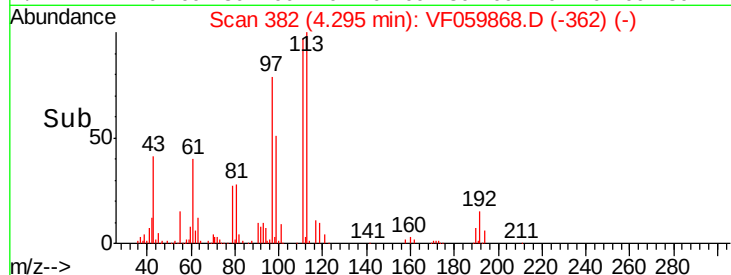
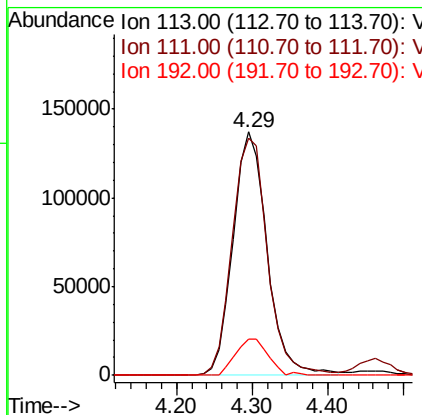
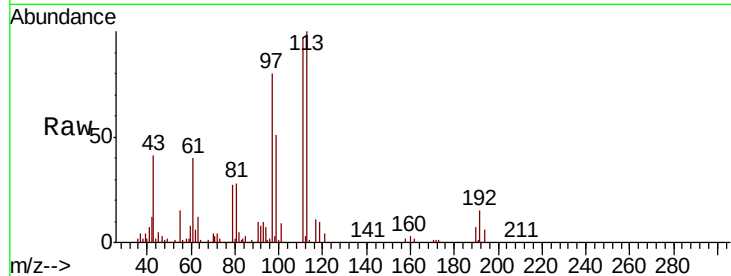
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	428792
Ion Ratio	Lower	Upper	
113	100		
111	97.3	81.8	122.8
192	15.0	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 133.66 ug/l

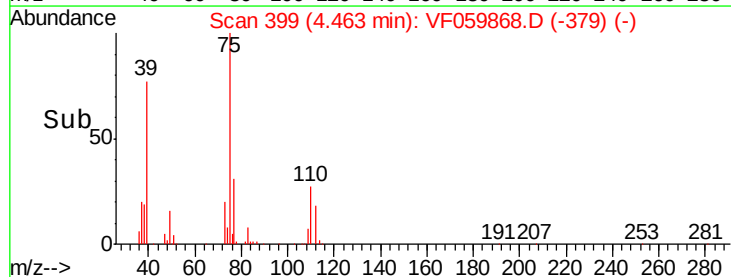
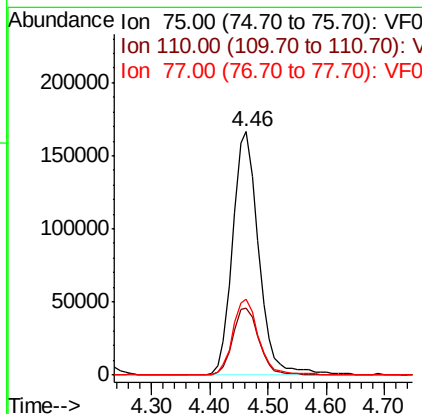
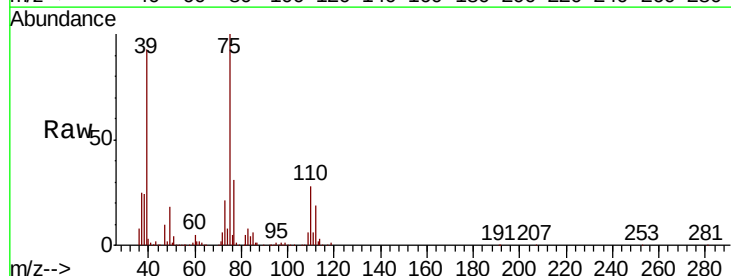
RT: 4.46 min Scan# 399

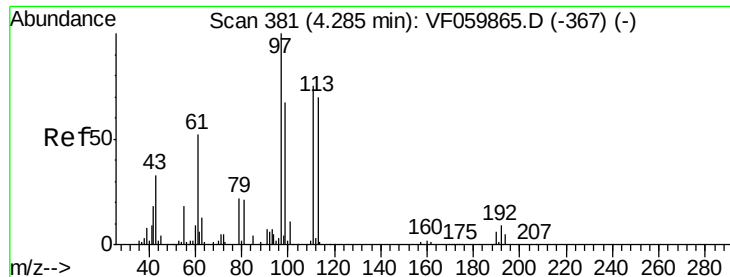
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	75	Resp:	518229
Ion Ratio	Lower	Upper	
75	100		
110	27.6	13.6	40.7
77	30.9	23.7	35.5





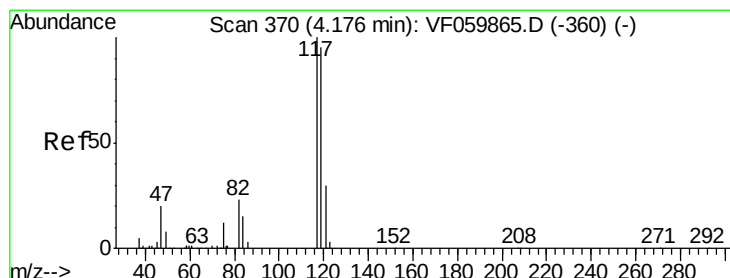
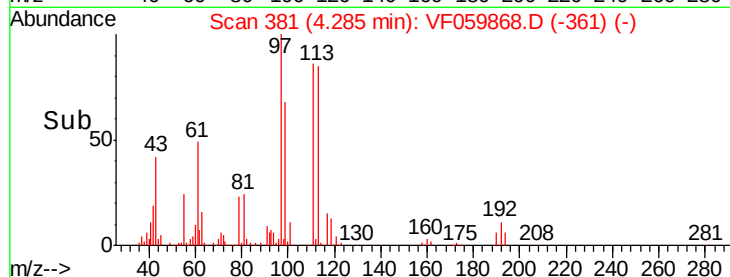
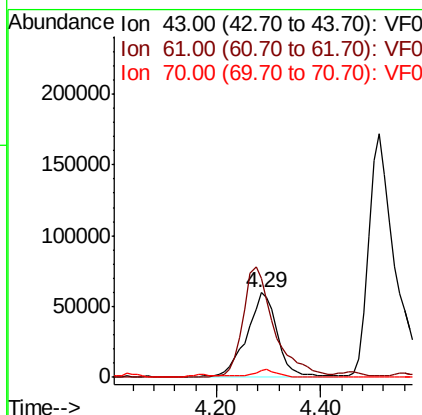
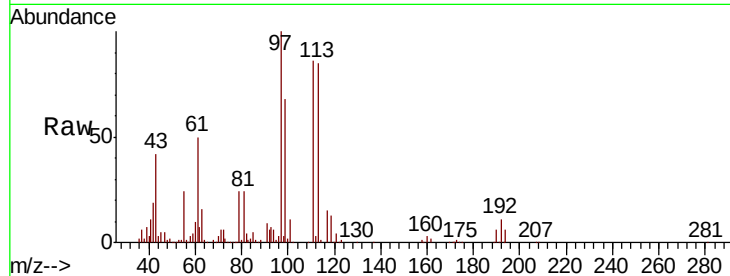
#37
Ethyl Acetate
Concen: 122.75 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	43	61	70	Ratio	Lower	Upper
231642	100	117.0	7.5			
		123.7	7.8			
		185.5#	11.8#			

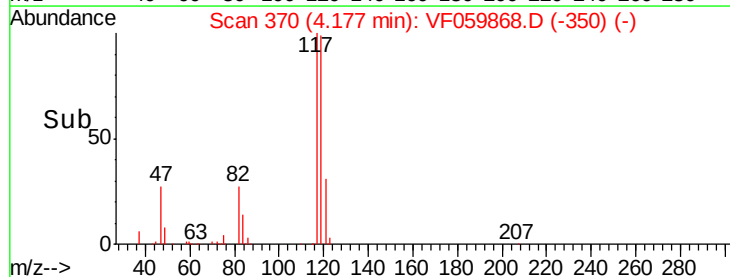
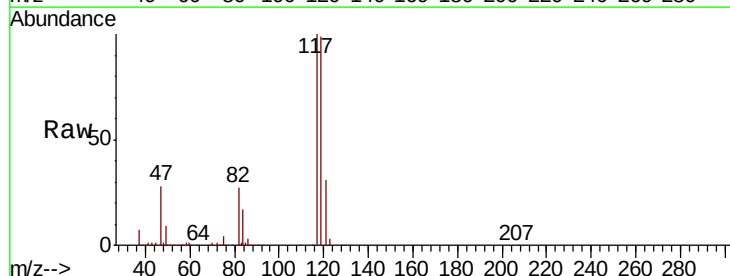
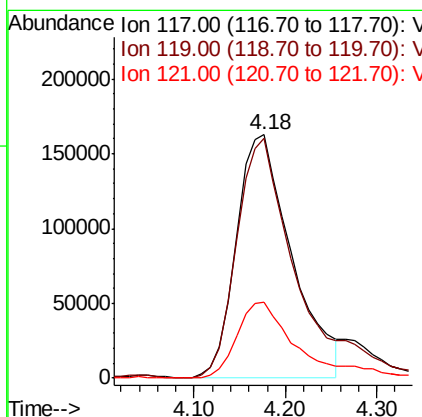
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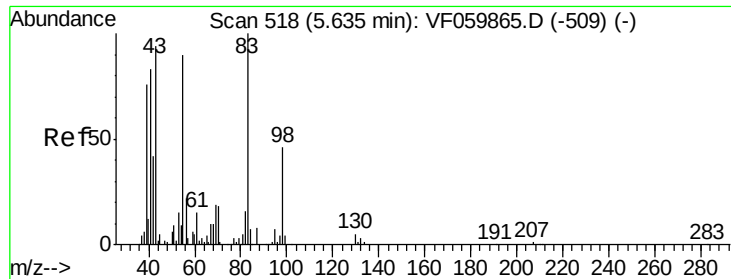
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#38
Carbon Tetrachloride
Concen: 129.95 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	117	119	121	Ratio	Lower	Upper
691004	100	98.7	31.4			
		76.5	23.8			
		114.7	35.8			





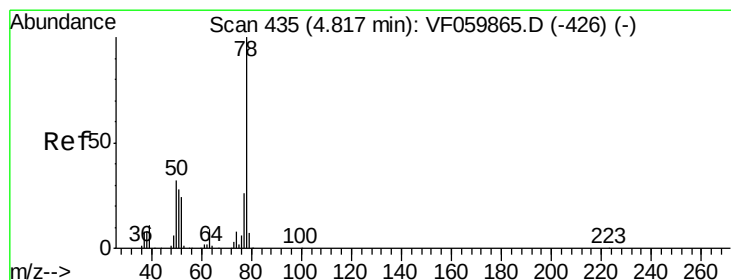
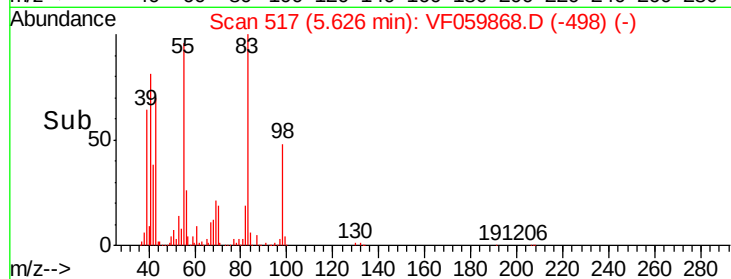
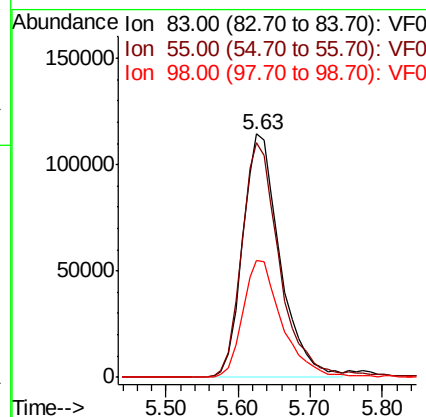
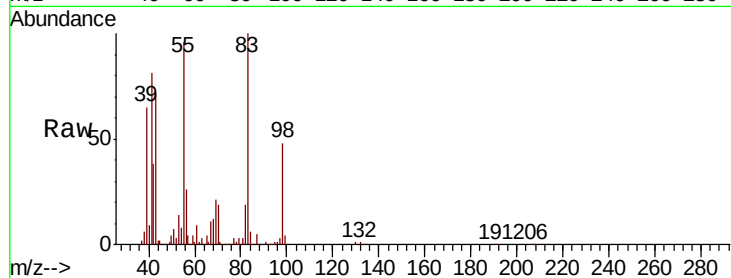
#39
Methylvlcyclohexane
Concen: 141.28 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.2	72.0	108.0
98	47.9	36.6	54.8

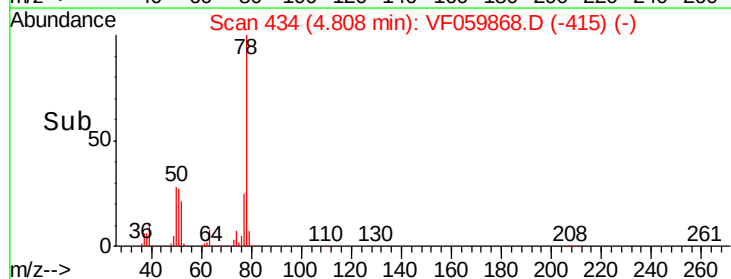
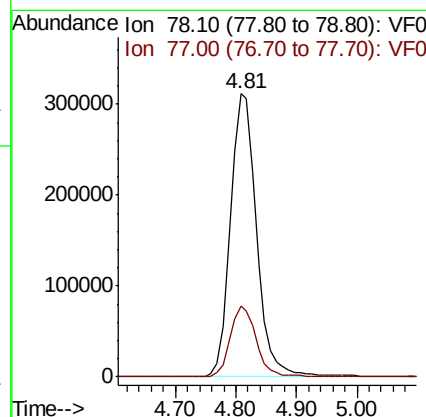
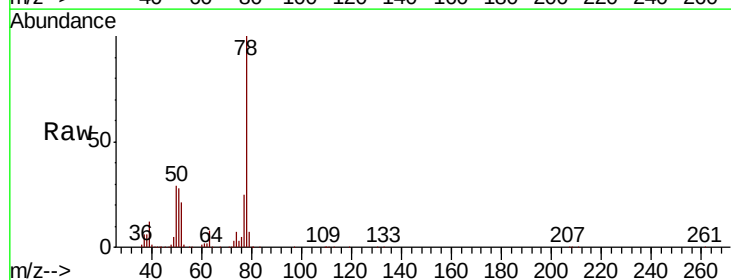
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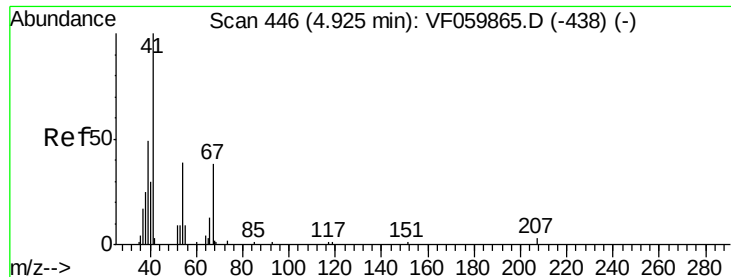
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#40
Benzene
Concen: 139.00 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.7	31.1





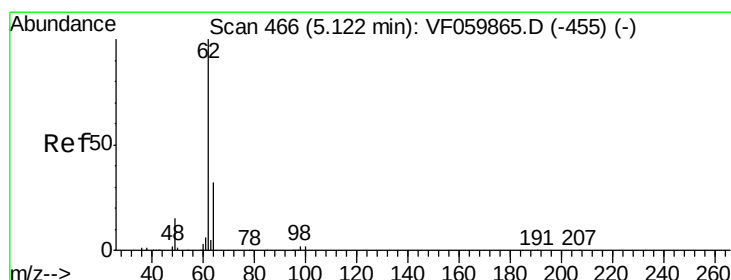
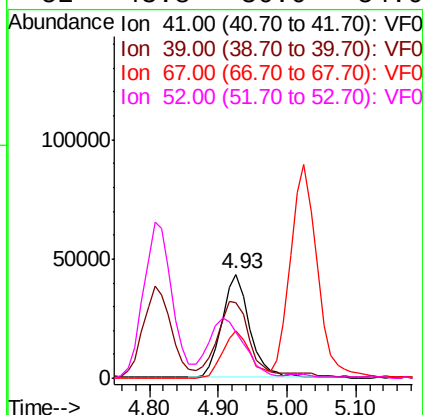
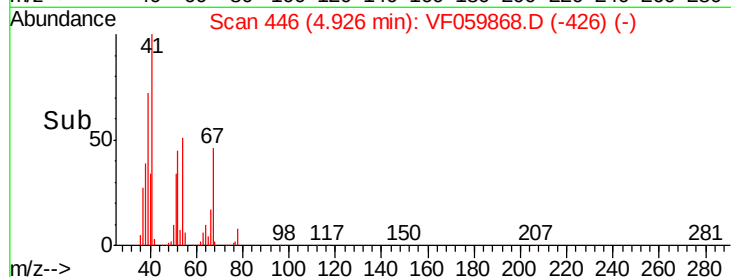
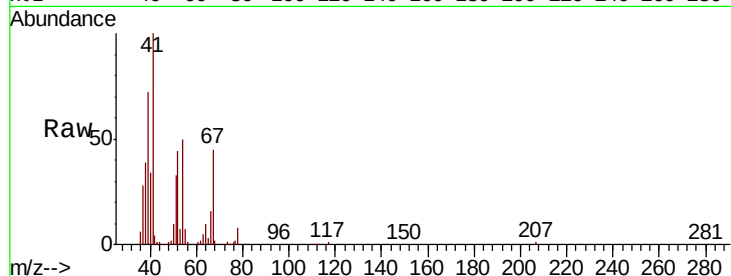
#41
Methacrylonitrile
Concen: 130.71 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	121192
Ion	Ratio	Lower	Upper
41	100		
39	72.1	55.1	82.7
67	45.4	30.3	45.5
52	43.8	36.0	54.0

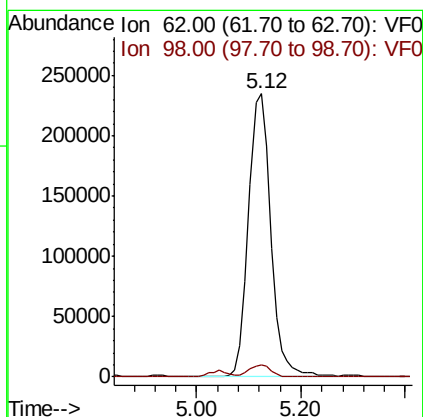
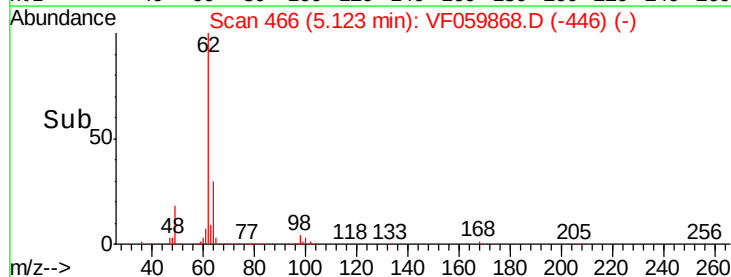
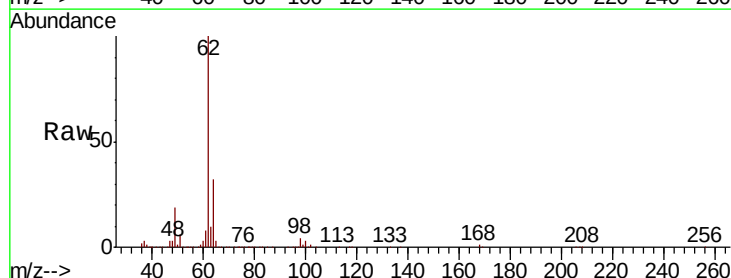
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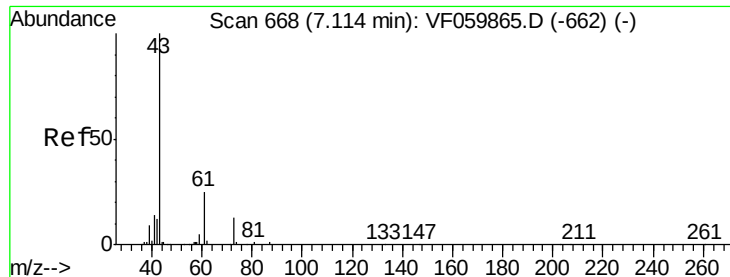
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#42
1,2-Dichloroethane
Concen: 141.59 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion:	62	Resp:	680333
Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	7.6





#43

Isopropyl Acetate

Concen: 149.57 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

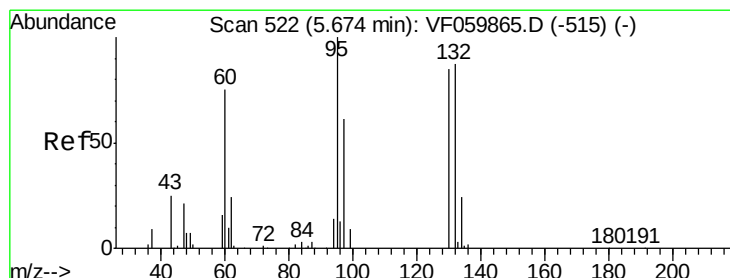
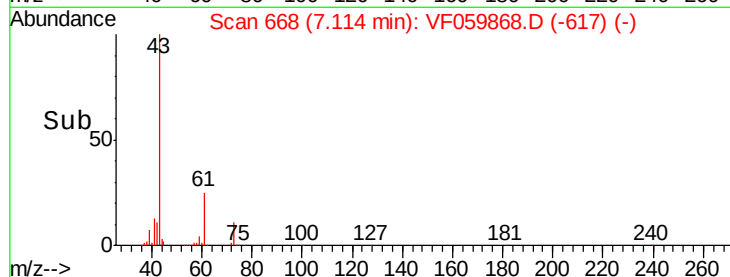
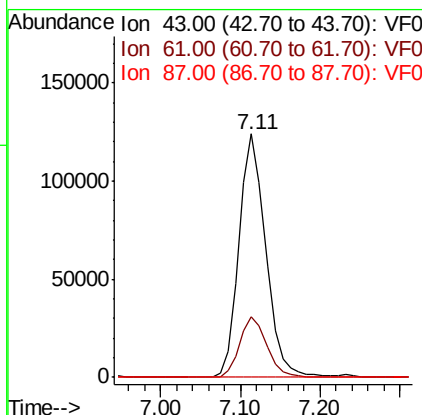
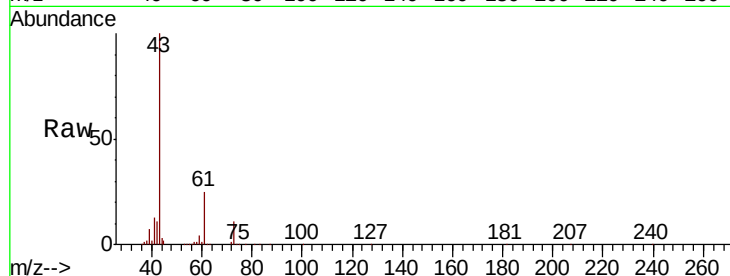
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	289234
Ion Ratio		Lower	Upper
43	100		
61	24.7	20.3	30.5
87	0.4	0.7	1.1#

Manual Integrations
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#44

Trichloroethene

Concen: 124.82 ug/l

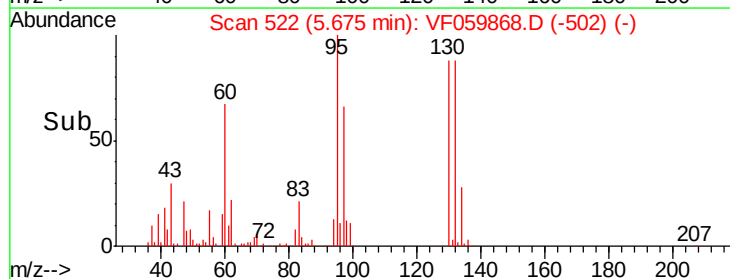
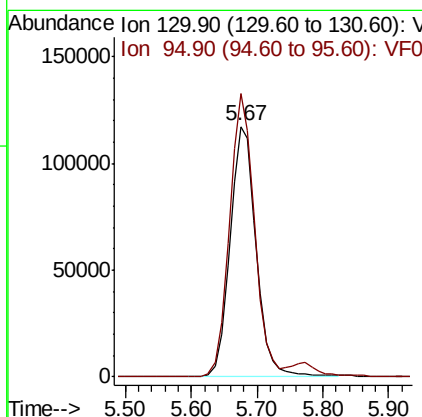
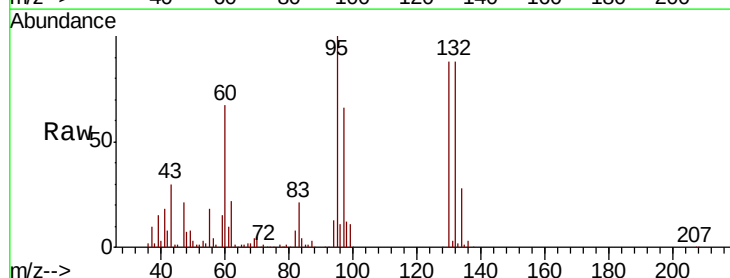
RT: 5.67 min Scan# 522

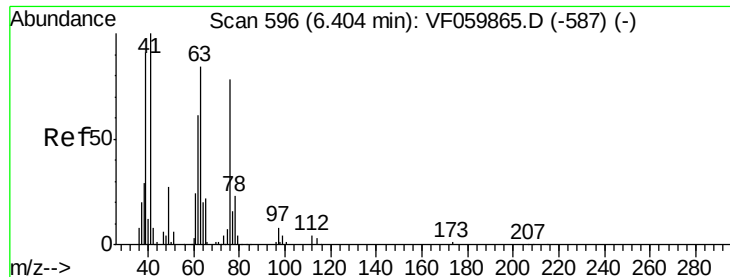
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	130	Resp:	325648
Ion Ratio		Lower	Upper
130	100		
95	113.0	0.0	236.8





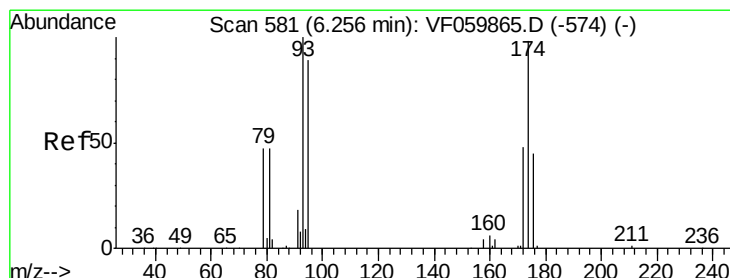
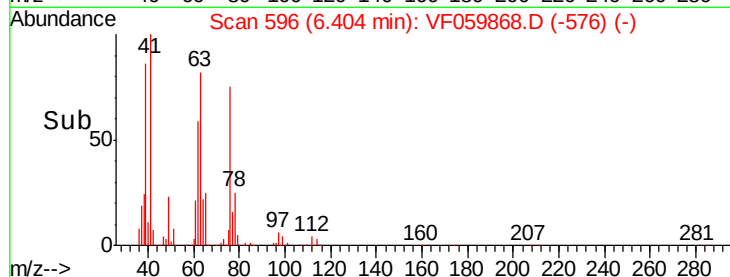
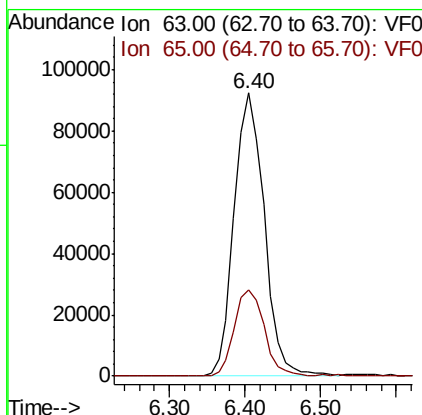
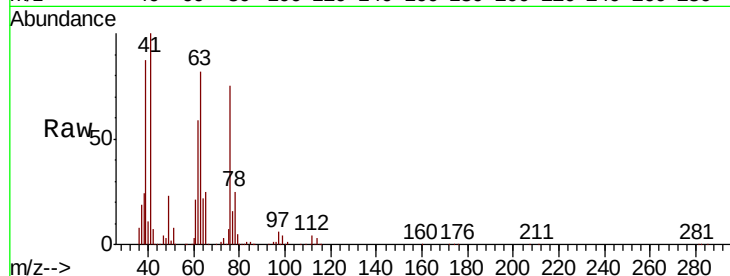
#45
 1,2-Dichloropropane
 Concen: 144.55 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	20.4	30.6

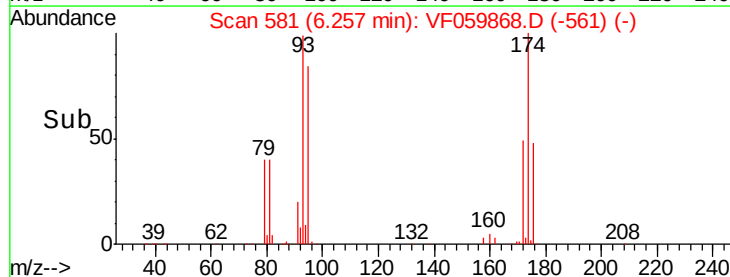
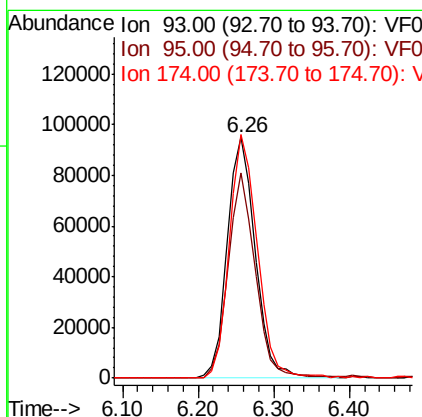
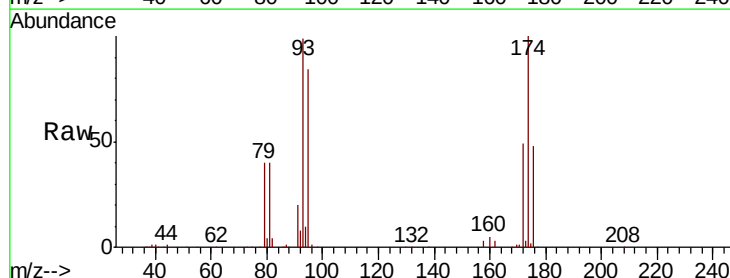
Manual Integrations
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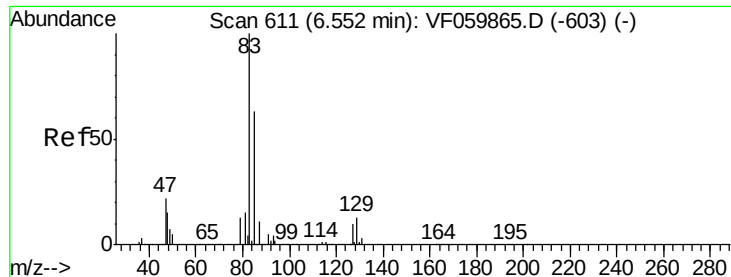
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#46
 Dibromomethane
 Concen: 144.55 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	71.4	107.2
174	101.1	78.1	117.1





#47

Bromodichloromethane

Concen: 141.75 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

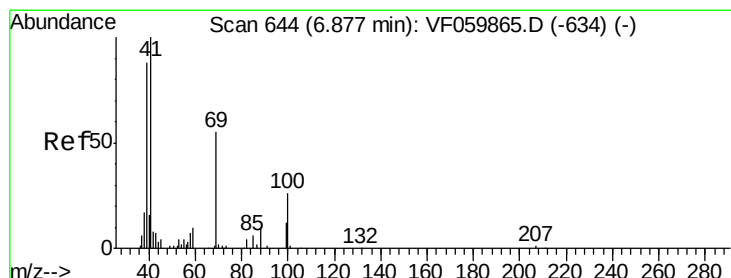
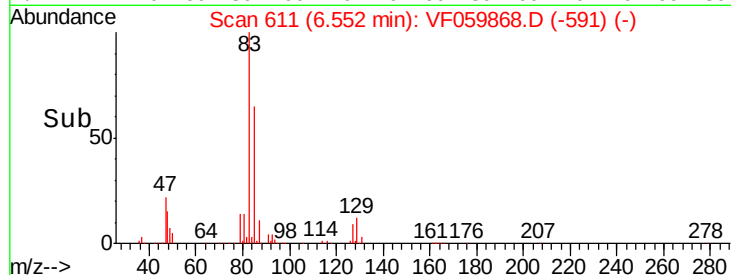
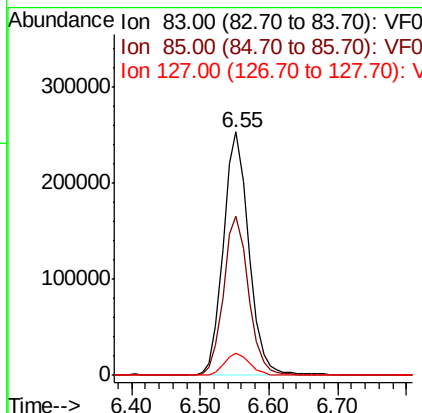
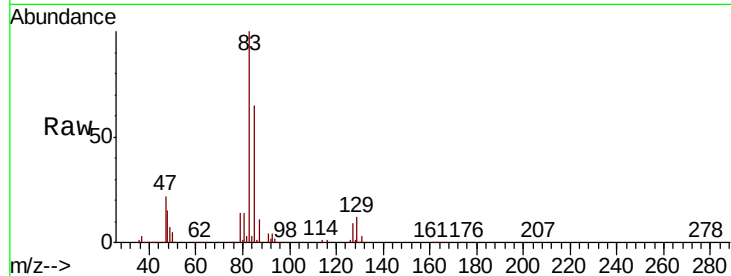
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	654142
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.7	76.1
127	9.3	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 154.48 ug/l

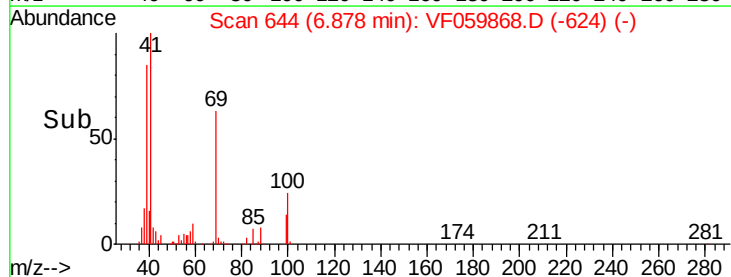
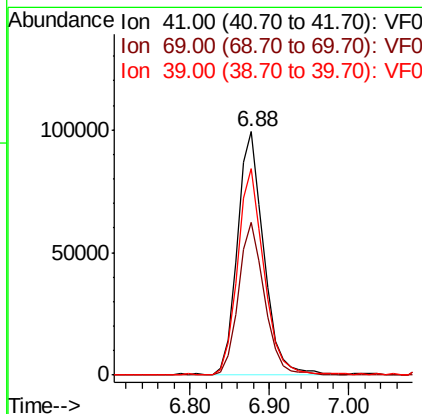
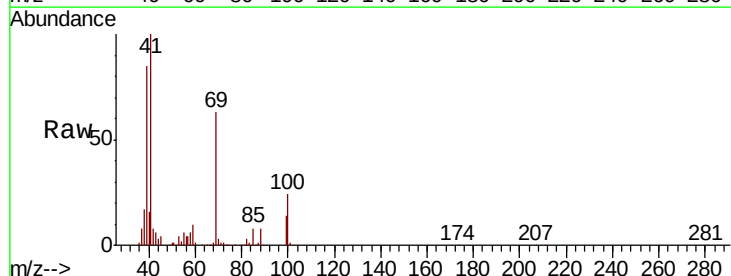
RT: 6.88 min Scan# 644

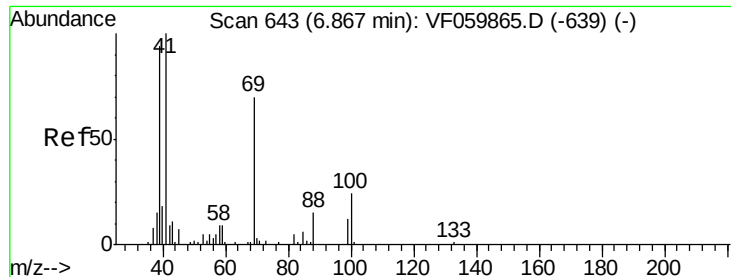
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	41	Resp:	226159
Ion Ratio	Lower	Upper	
41	100		
69	62.6	44.4	66.6
39	84.6	70.6	106.0





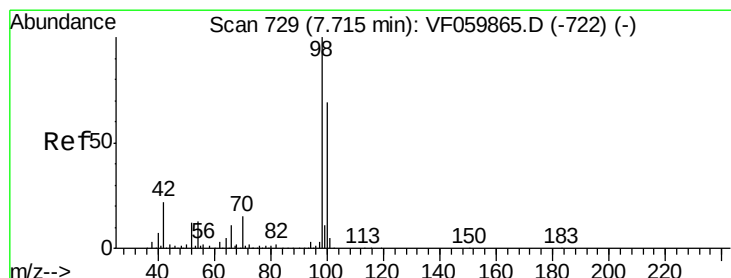
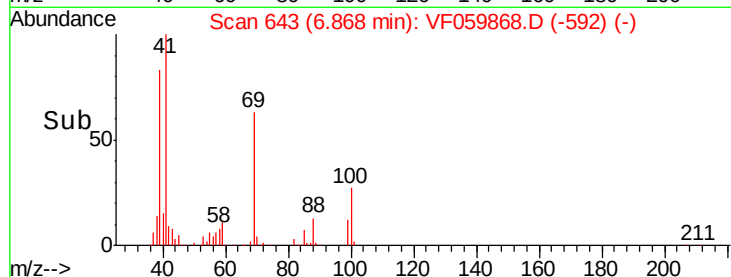
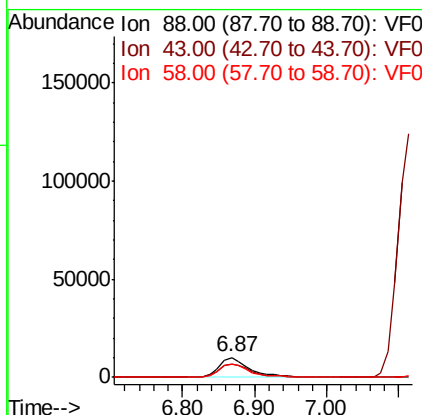
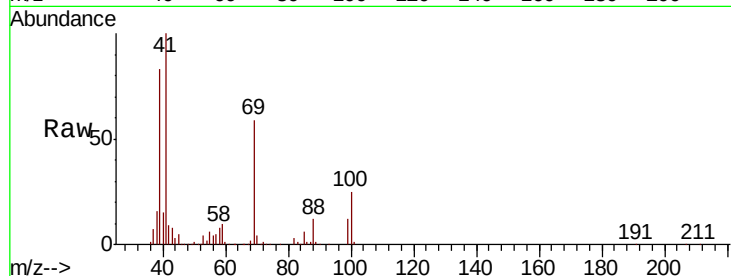
#49
1,4-Dioxane
Concen: 2622.07 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	65.8		58.3	87.5
58	65.0		49.4	74.2

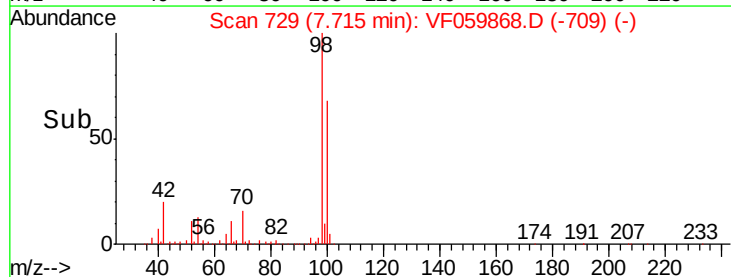
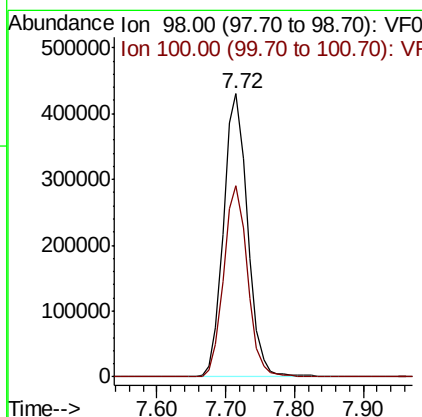
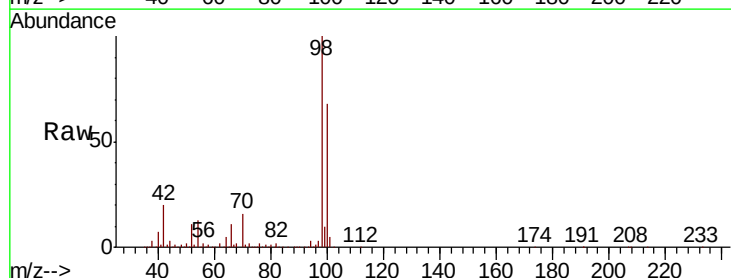
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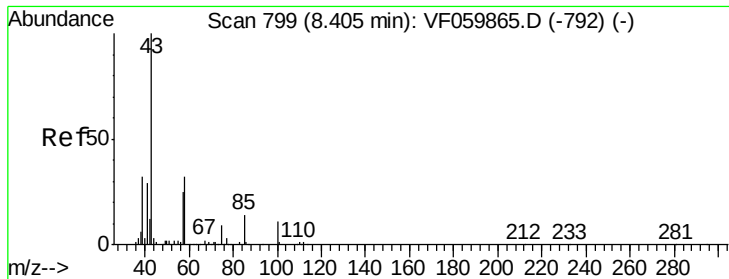
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#50
Toluene-d8
Concen: 132.74 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.8		55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 807.56 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tot Ion: 43 Resp: 1241909

Ion Ratio Lower Upper

43 100

58 33.7 25.4 38.0

Instrument :

MSVOA_F

ClientSampleId :

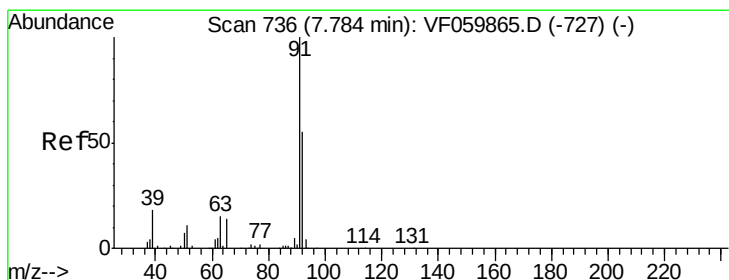
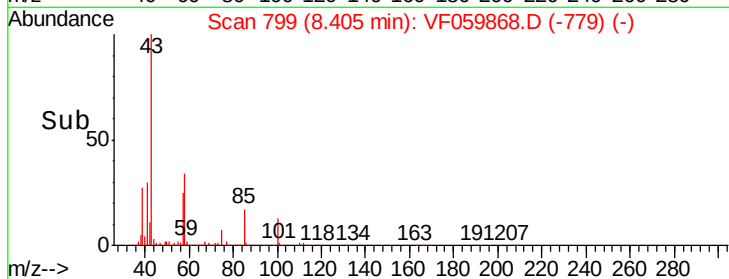
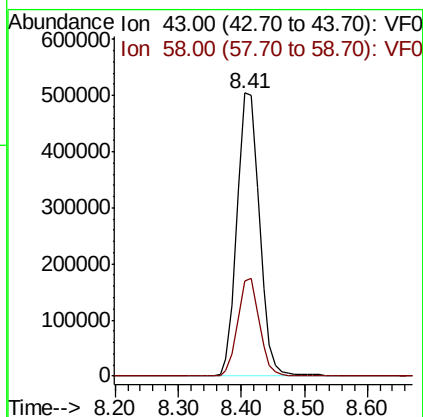
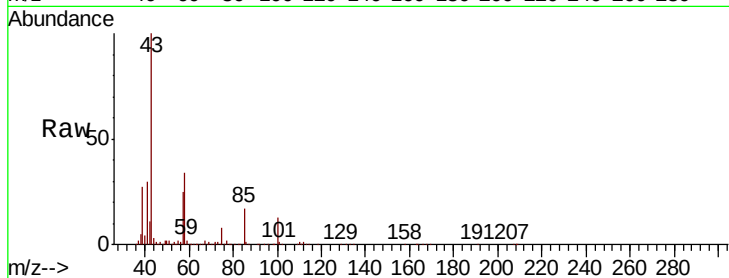
VSTDIC150

Manual Integrations

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#52

Toluene

Concen: 137.49 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059868.D

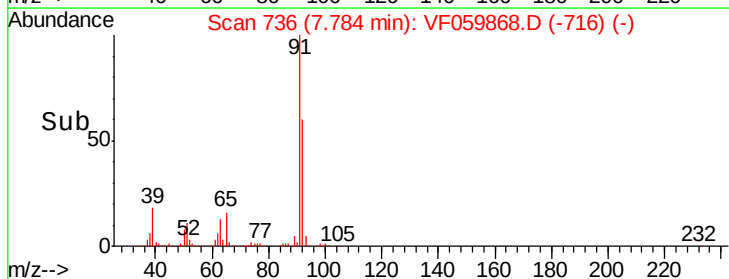
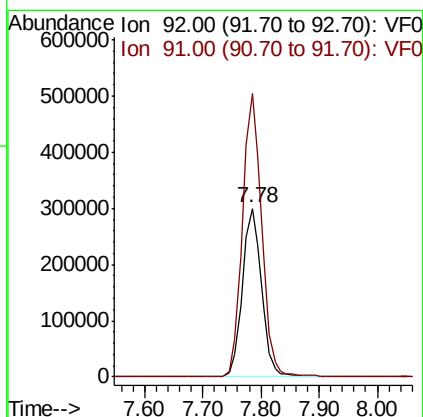
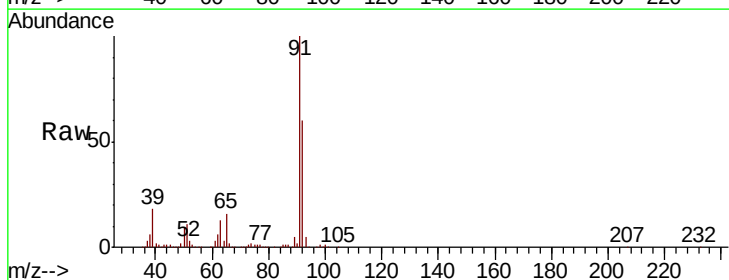
Acq: 4 Aug 2018 6:07

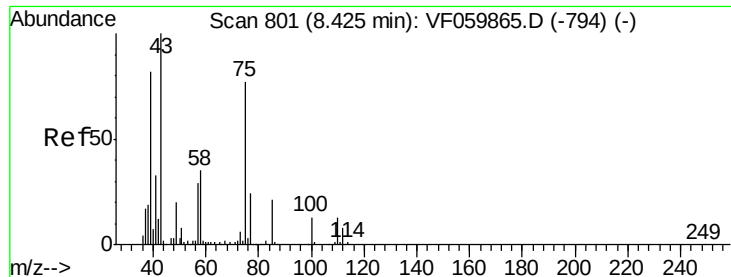
Tgt Ion: 92 Resp: 686607

Ion Ratio Lower Upper

92 100

91 167.8 145.7 218.5





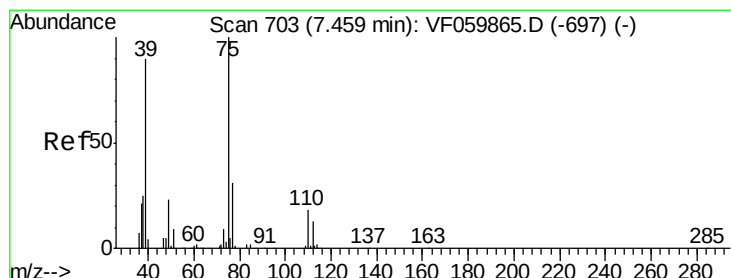
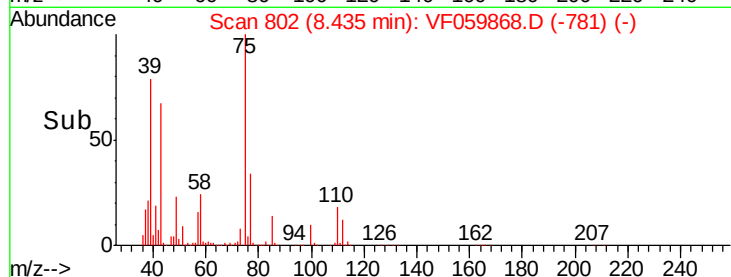
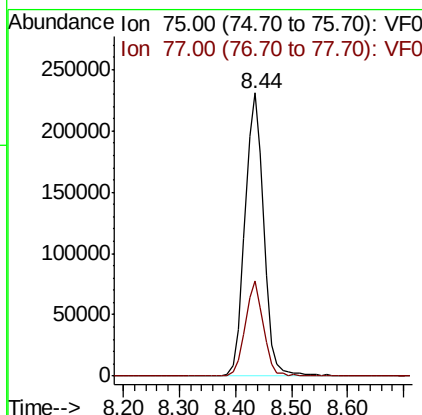
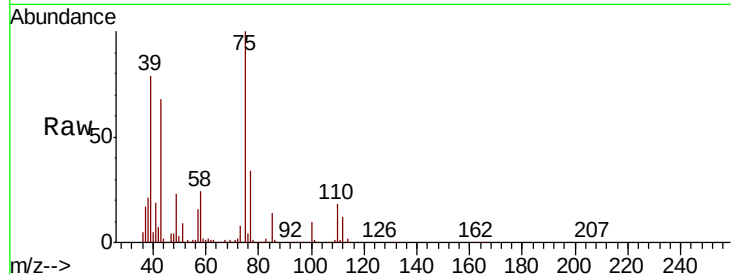
#53
t-1,3-Dichloropropene
Concen: 136.73 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.5	36.7

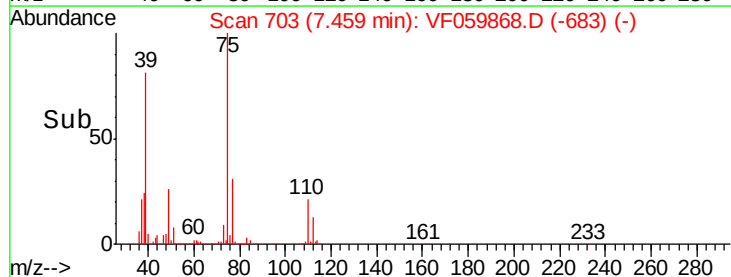
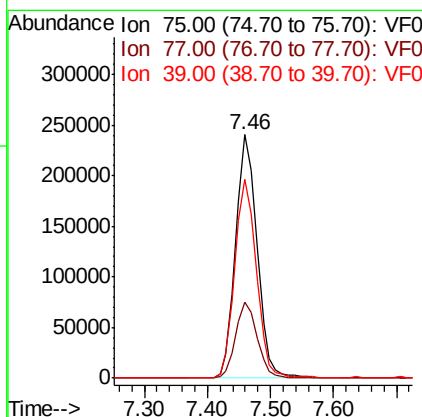
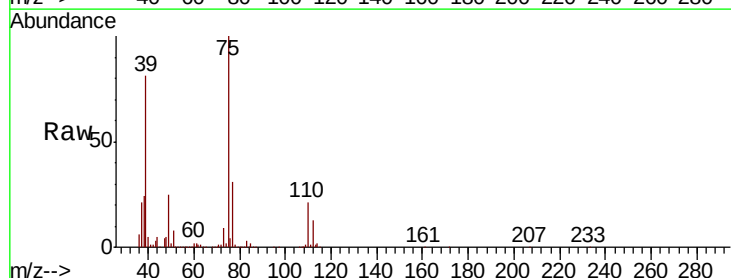
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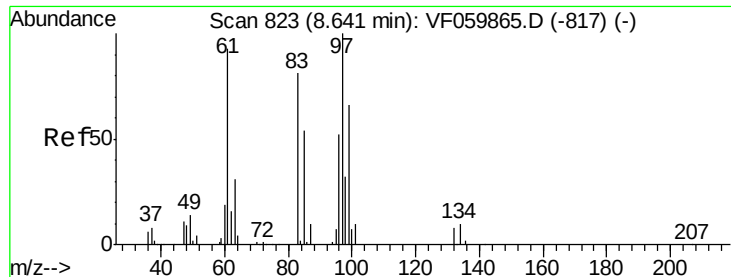
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#54
cis-1,3-Dichloropropene
Concen: 147.39 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	81.5	72.0	108.0





#55

1,1,2-Trichloroethane

Concen: 138.65 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

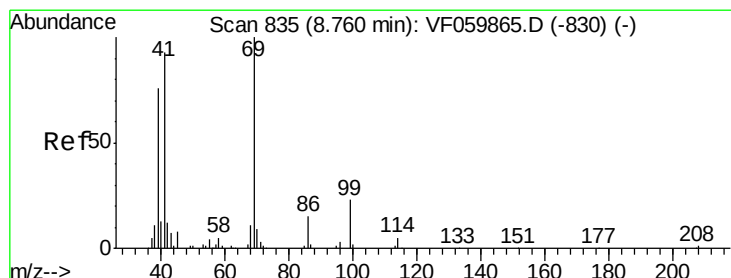
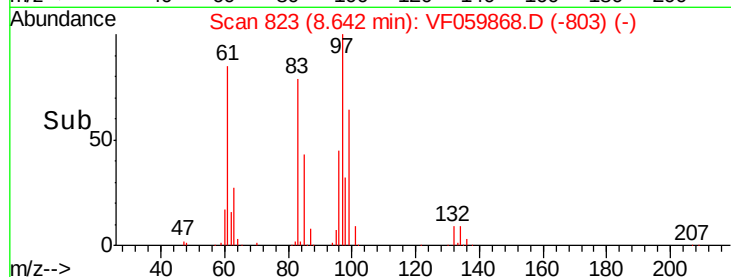
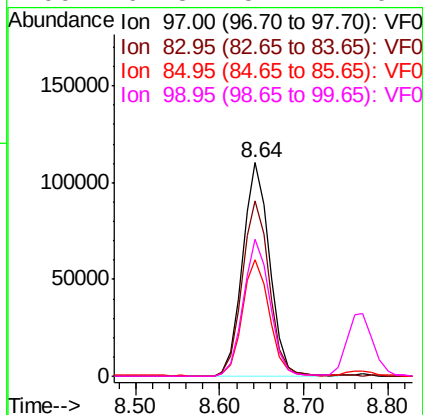
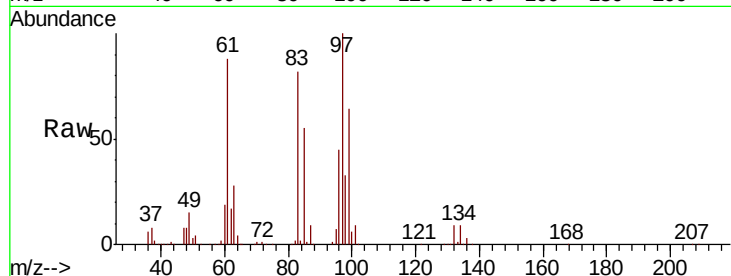
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		248045		
83	82.2	64.4	96.6		
85	54.8	43.1	64.7		
99	64.3	52.7	79.1		

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#56

Ethyl methacrylate

Concen: 160.73 ug/l

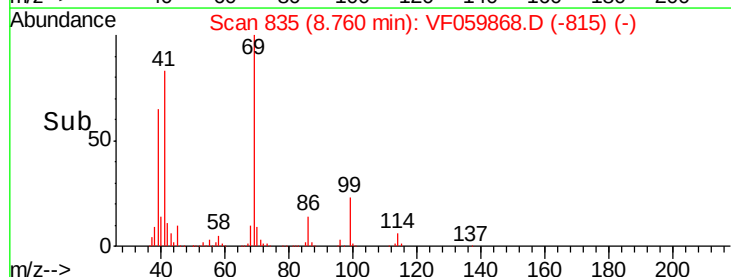
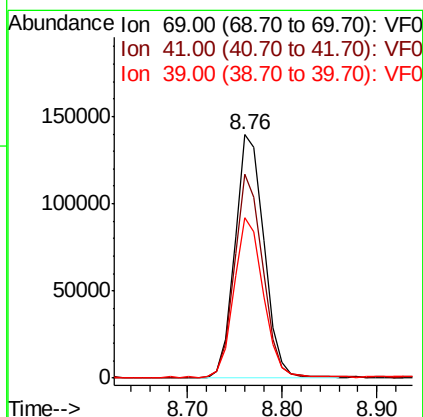
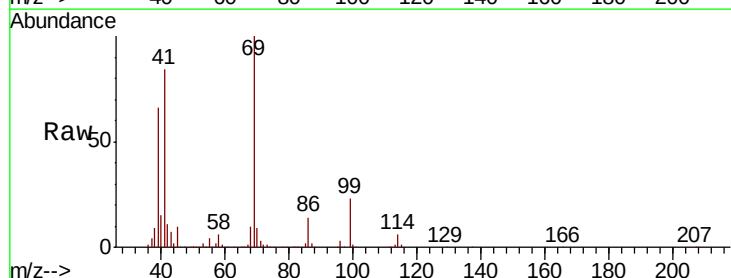
RT: 8.76 min Scan# 835

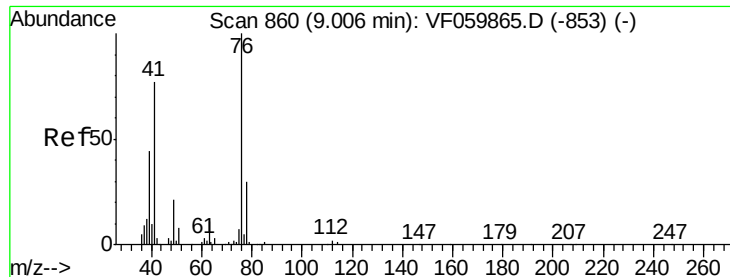
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		297482		
41	83.8	74.7	112.1		
39	66.0	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 143.39 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 444880

Ion Ratio Lower Upper

76 100

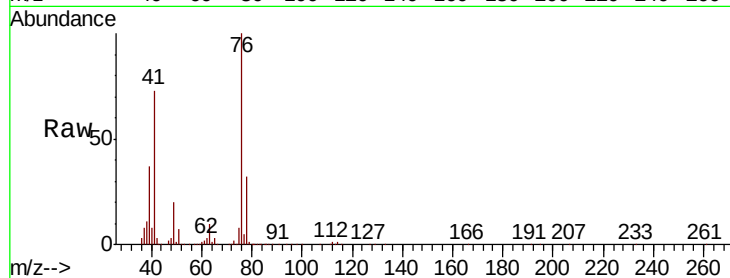
78 32.4 24.2 36.2

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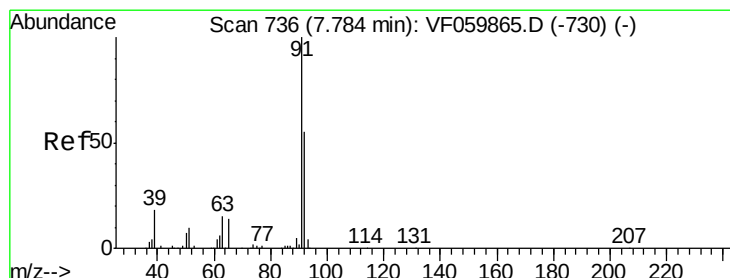
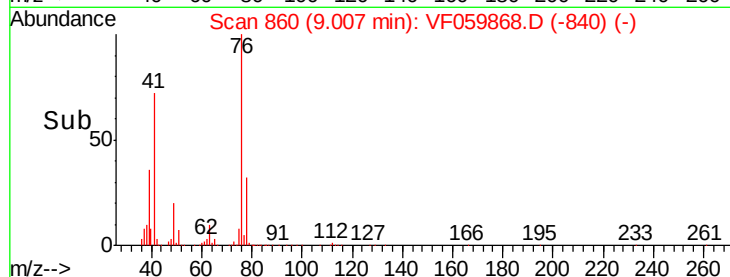
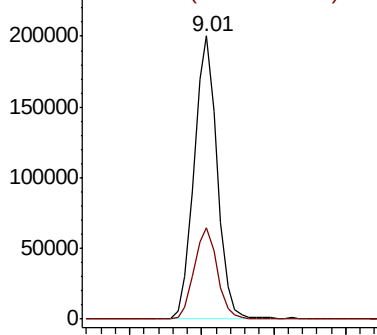
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 685.30 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059868.D

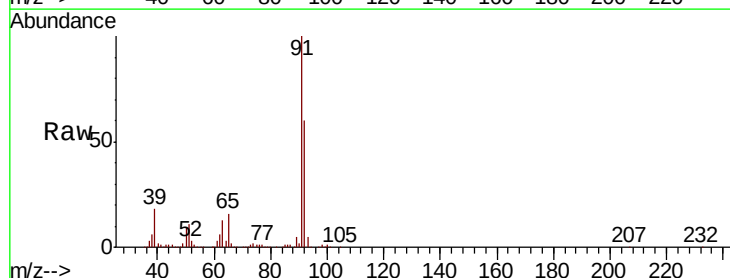
Acq: 4 Aug 2018 6:07

Tgt Ion: 63 Resp: 154338

Ion Ratio Lower Upper

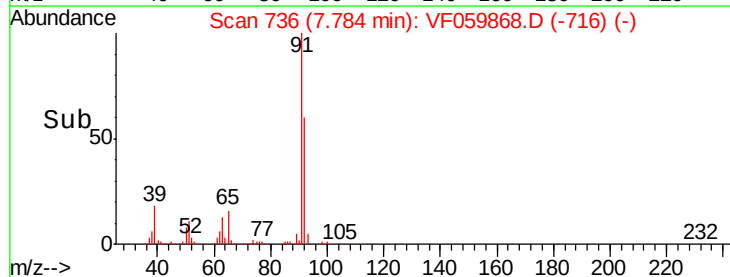
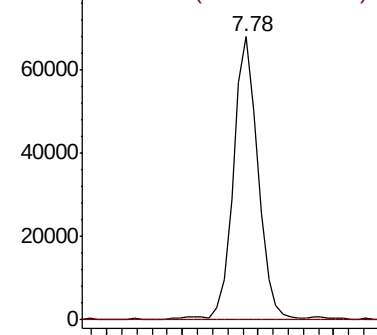
63 100

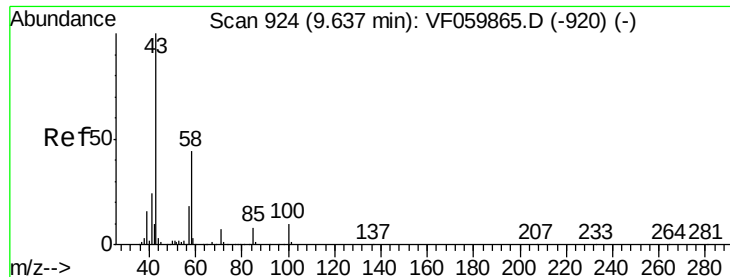
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





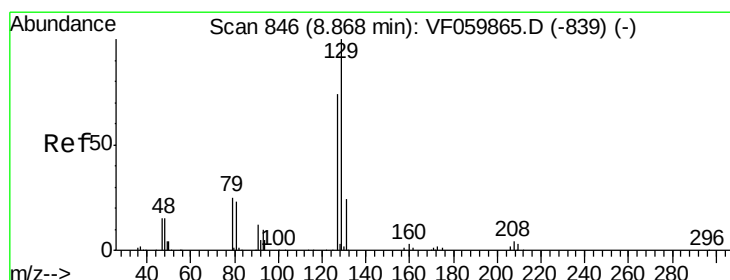
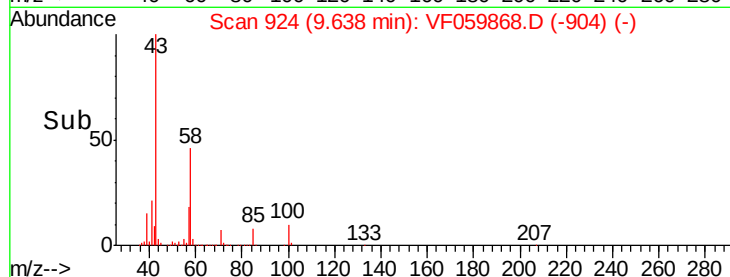
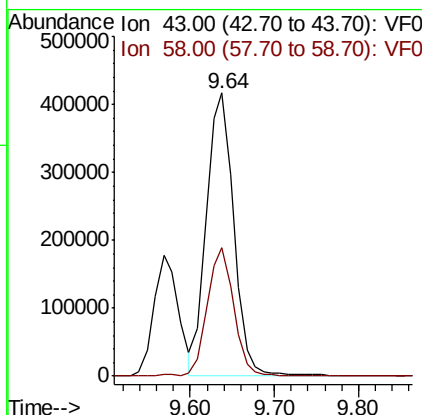
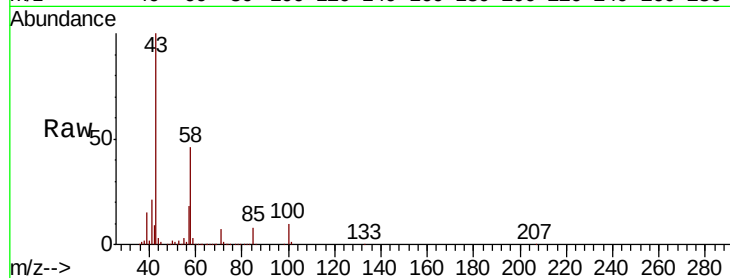
#59
2-Hexanone
Concen: 767.65 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.5	20.8	62.2

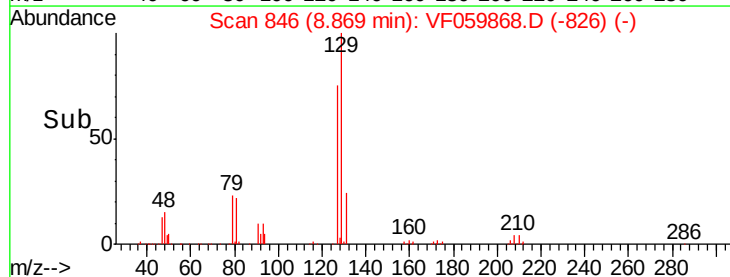
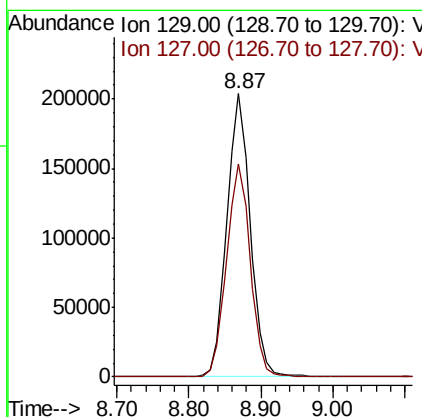
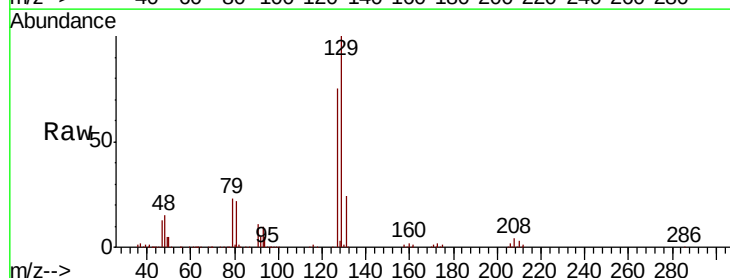
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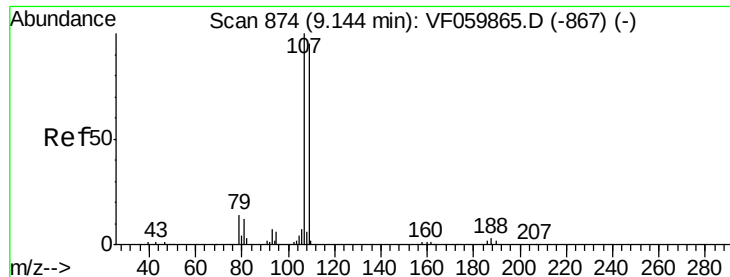
apatel
8/6/2018 10:26:12 AM



#60
Dibromochloromethane
Concen: 143.81 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	36.9	110.7





#61

1,2-Dibromoethane

Concen: 149.60 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 317702

Ion Ratio Lower Upper

107 100

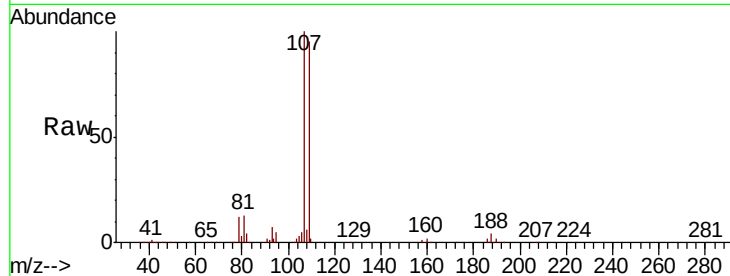
109 95.5 75.8 113.8

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

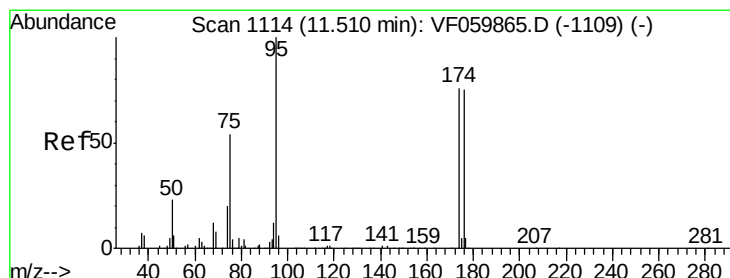
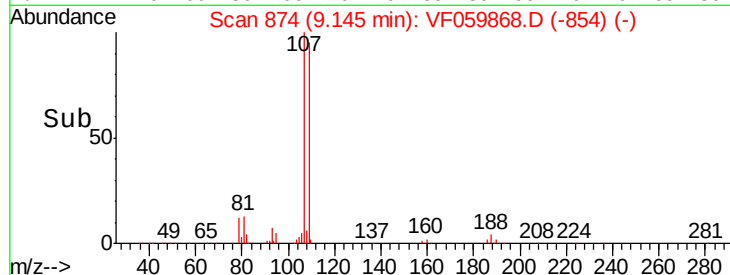
150000

100000

50000

0

Time--> 9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 122.86 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

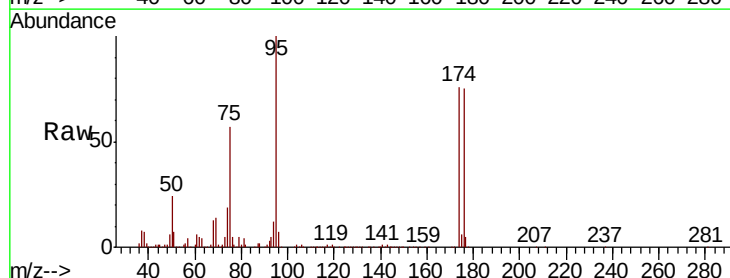
Tgt Ion: 95 Resp: 535584

Ion Ratio Lower Upper

95 100

174 76.3 0.0 151.6

176 75.3 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

11.51

400000

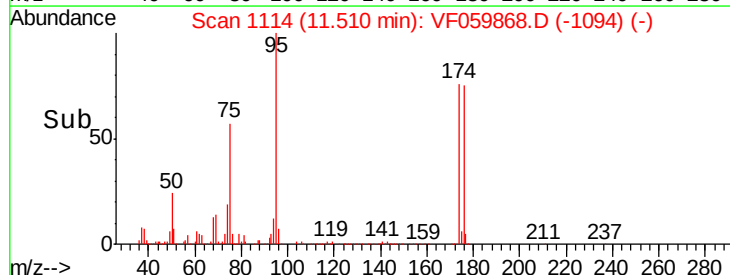
300000

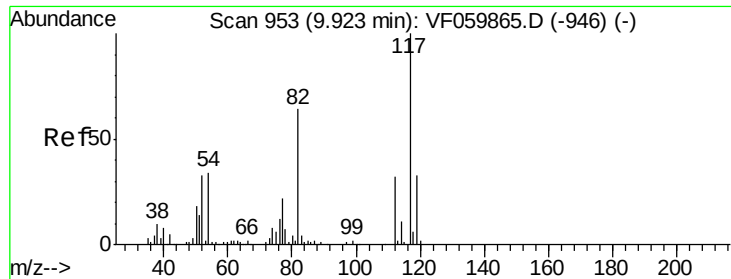
200000

100000

0

Time--> 11.40 11.50 11.60 11.70





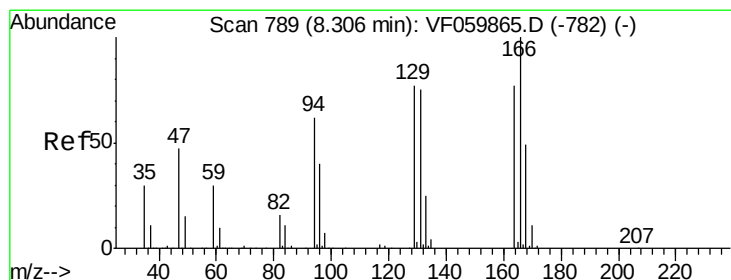
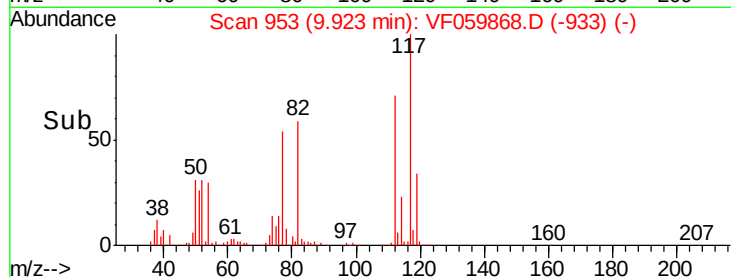
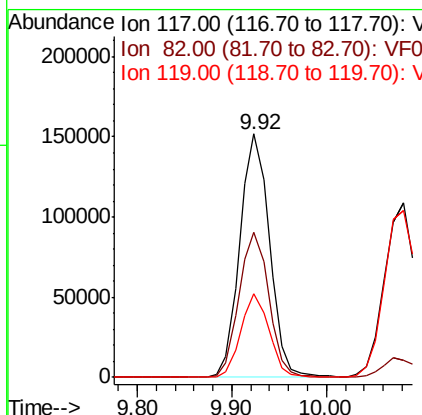
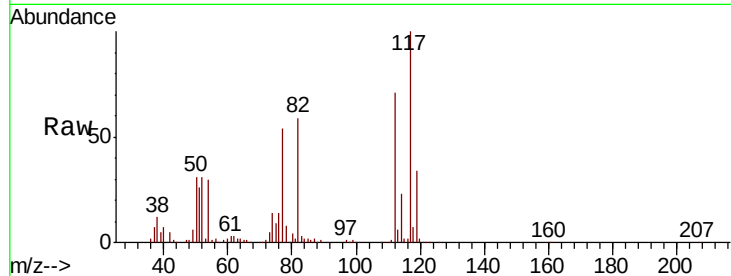
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330665		
82	59.4		51.3	76.9
119	34.4		26.4	39.6

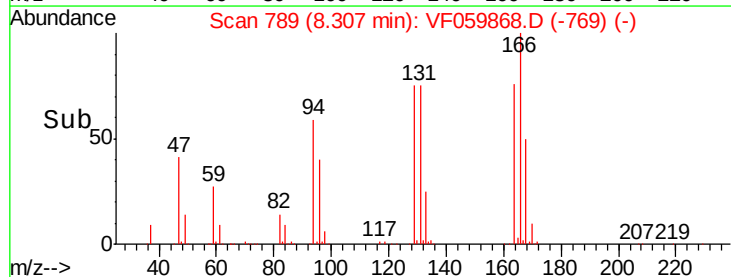
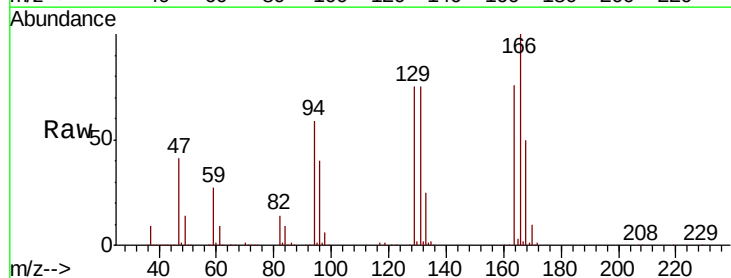
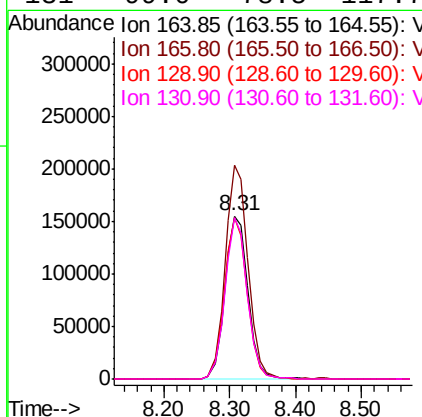
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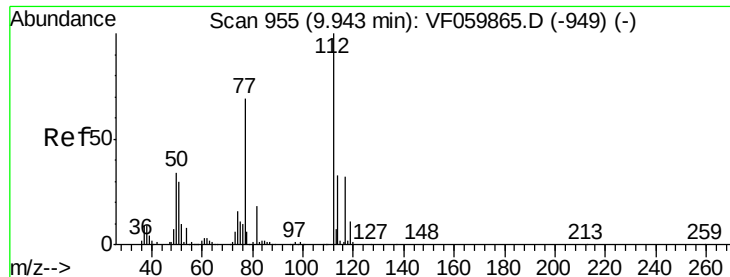
apatel
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#64
Tetrachloroethene
Concen: 140.48 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	378825		
166	131.2		104.4	156.6
129	99.0		80.3	120.5
131	99.0		78.5	117.7





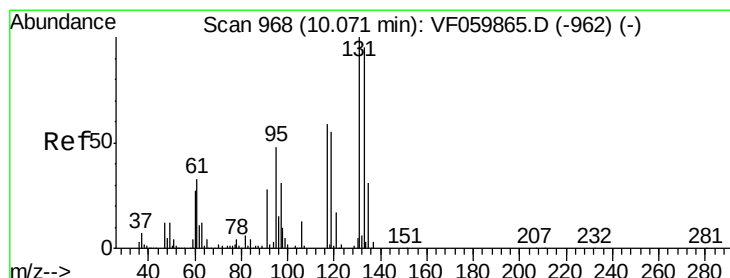
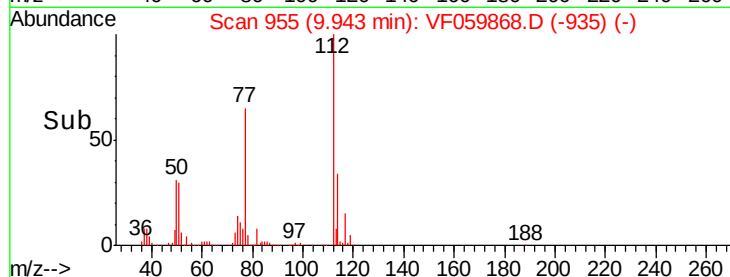
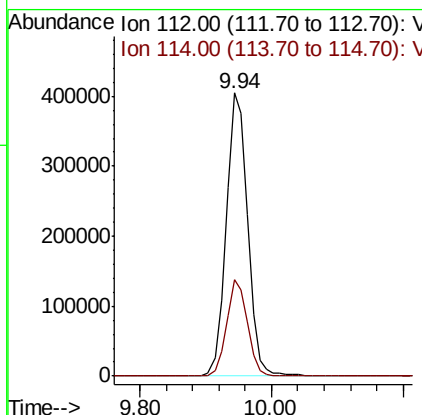
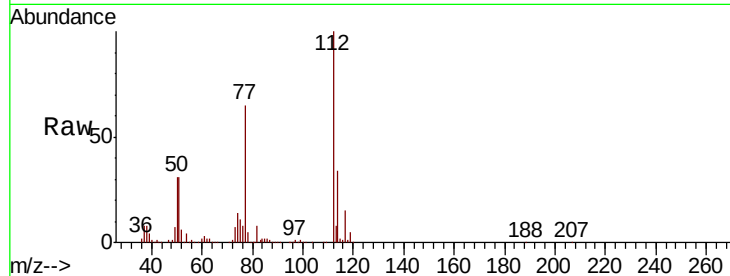
#65
Chlorobenzene
Concen: 136.23 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	26.4	39.6

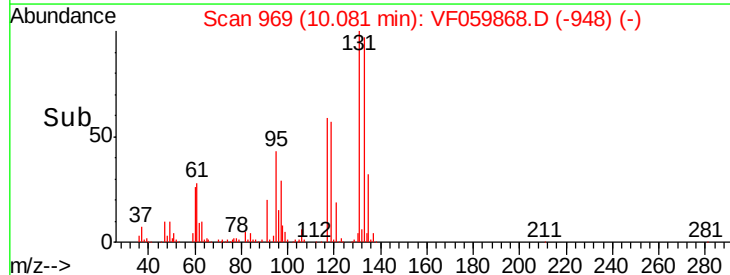
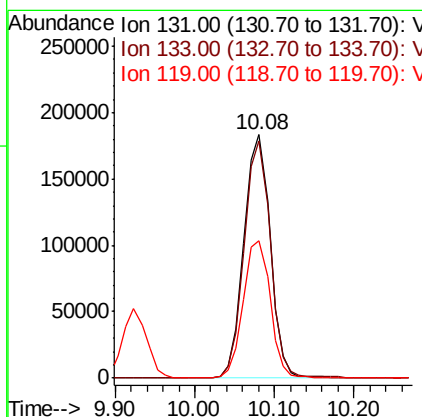
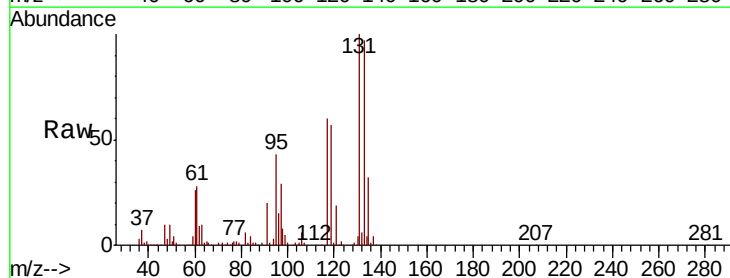
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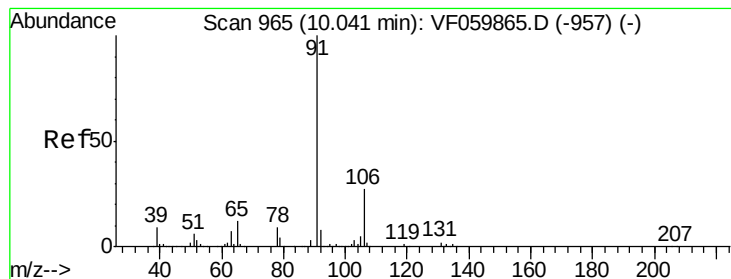
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#66
1,1,1,2-Tetrachloroethane
Concen: 131.62 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.4	142.2
119	56.7	27.7	83.1





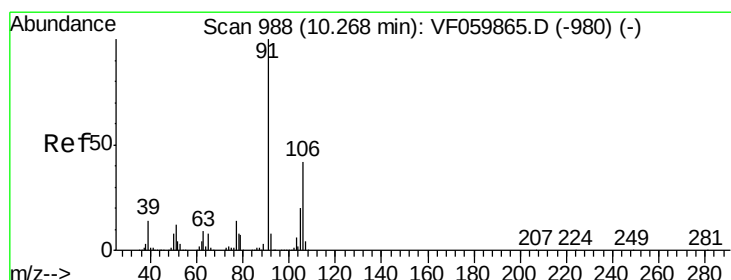
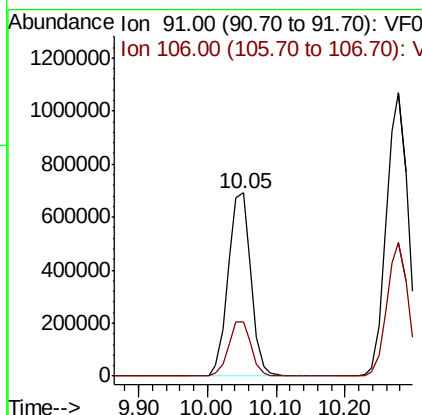
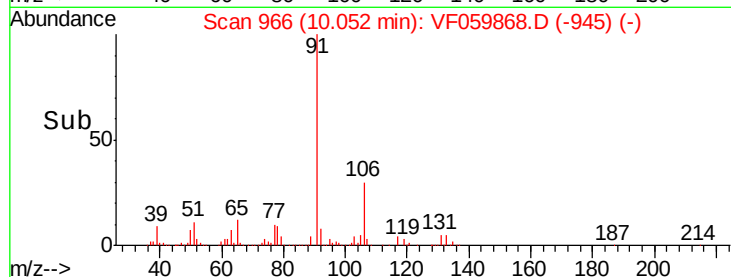
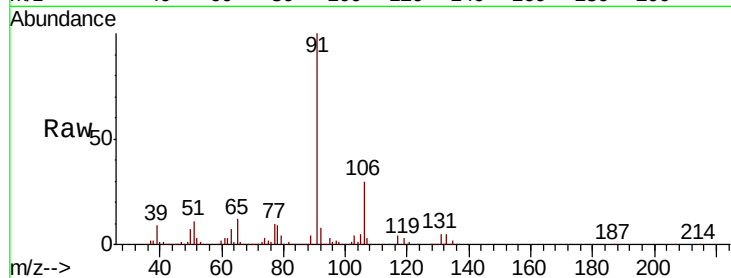
#67
Ethyl Benzene
Concen: 134.51 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1582039
Ion Ratio Lower Upper
91 100
106 29.6 21.5 32.3

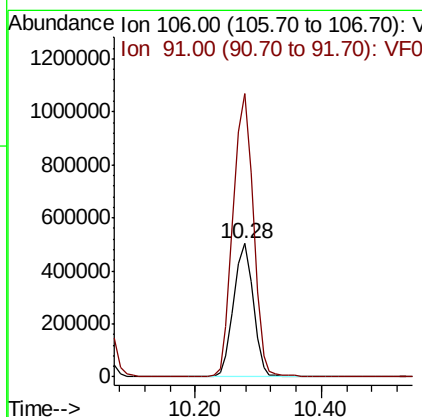
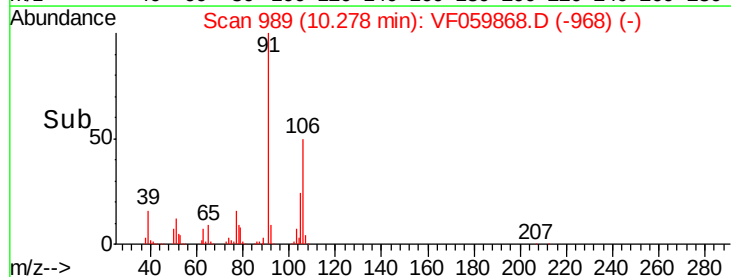
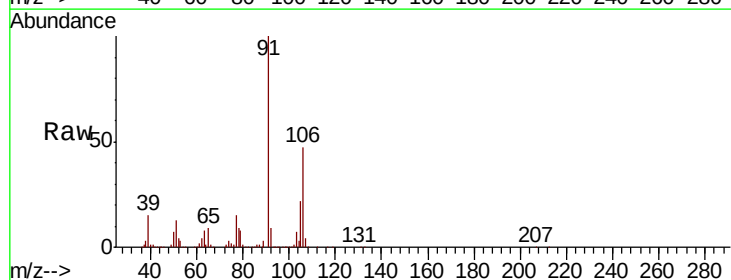
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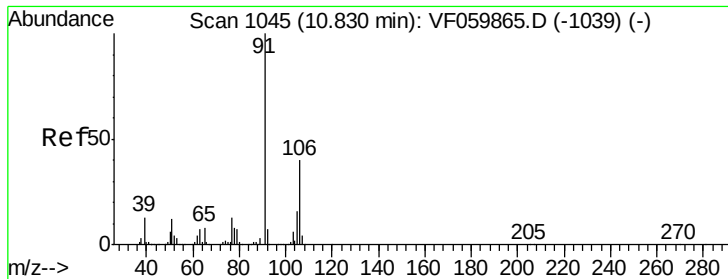
apatel
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#68
m/p-Xylenes
Concen: 263.37 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion:106 Resp: 1085766
Ion Ratio Lower Upper
106 100
91 212.3 192.1 288.1





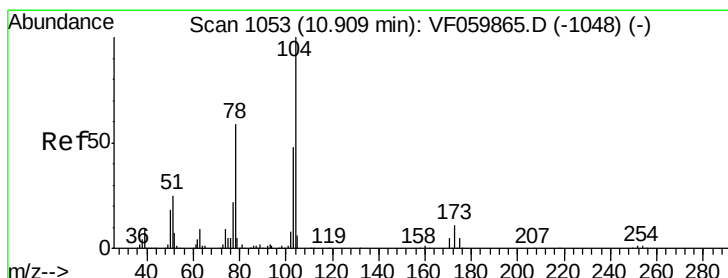
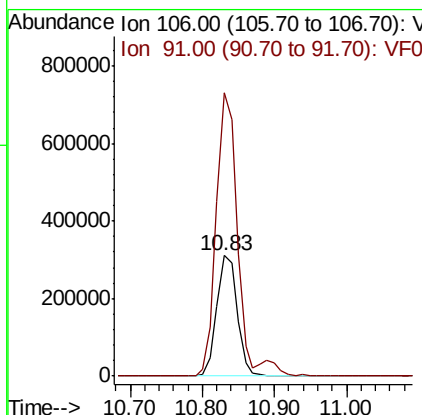
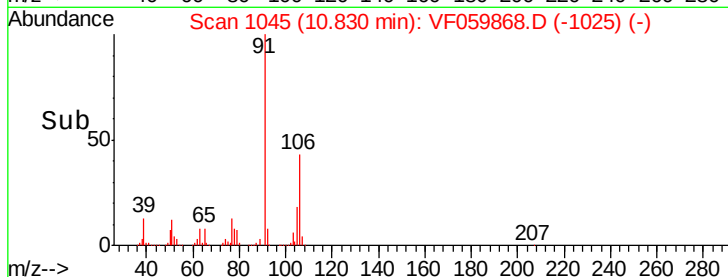
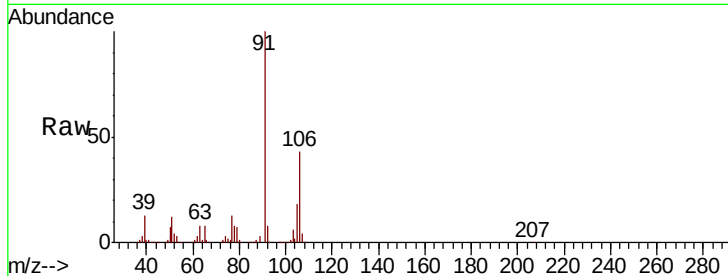
#69
o-Xylene
Concen: 139.77 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.7	125.4	376.2

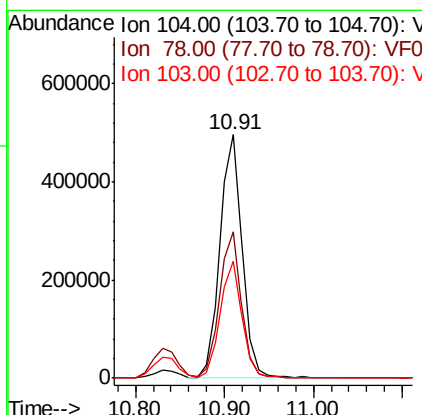
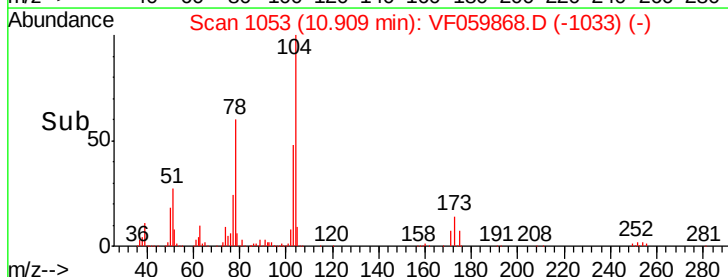
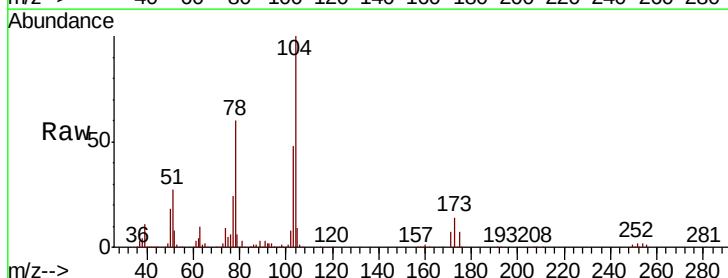
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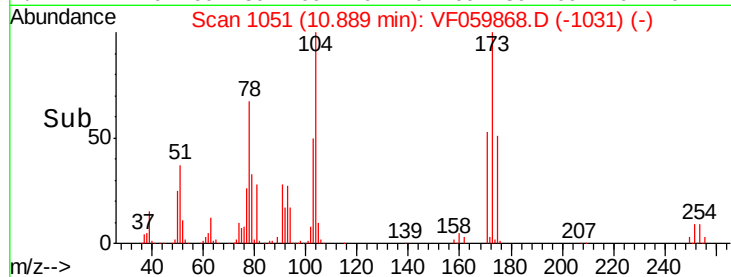
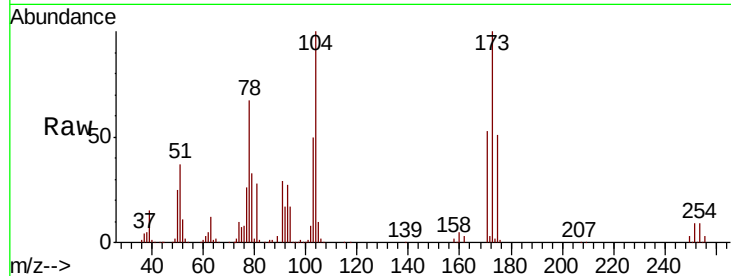
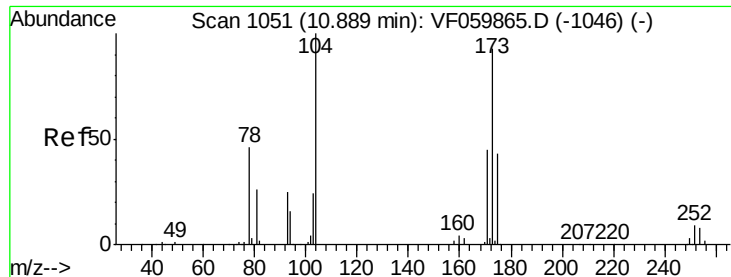
apatel
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#70
Styrene
Concen: 133.82 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.9	47.3	70.9
103	48.0	39.0	58.4





#71

Bromoform

Concen: 136.42 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tot Ion	Ratio	Resp	Lower	Upper
173	100	278565		
175	50.8	23.4	70.2	
254	0.1	0.0	0.0	

Instrument :

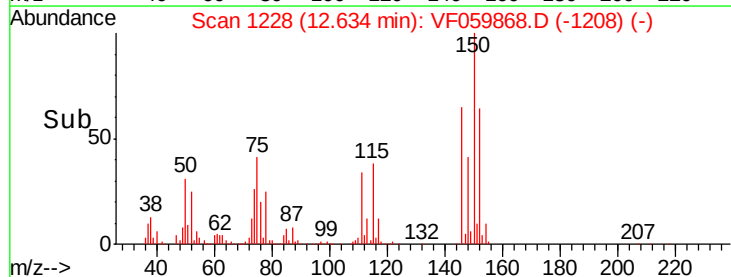
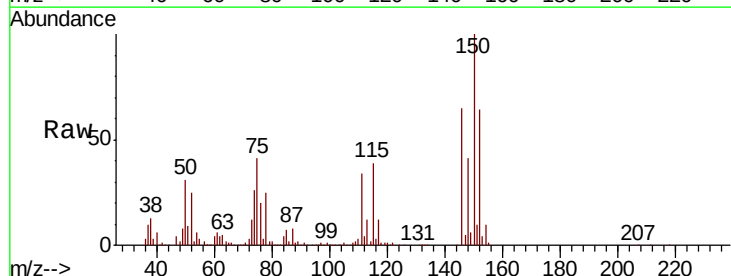
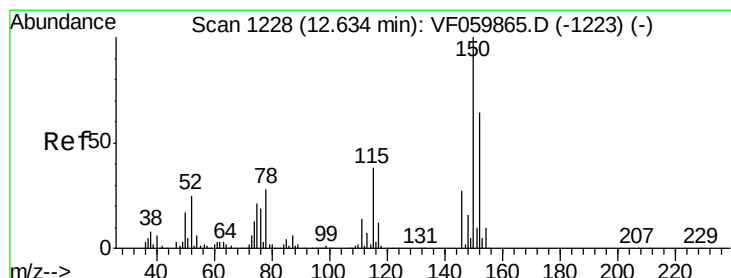
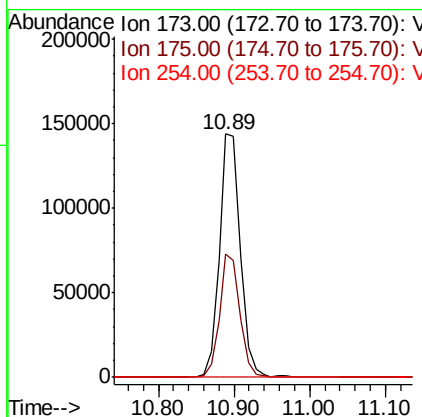
MSVOA_F

ClientSampleId :

VSTDIC150

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

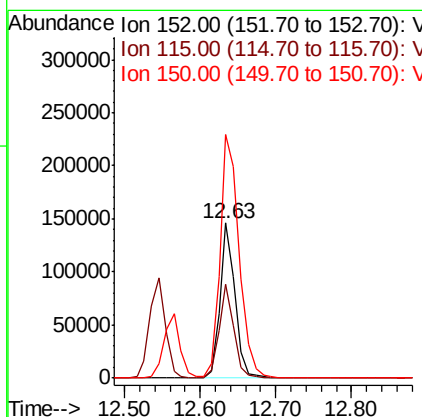
RT: 12.63 min Scan# 1228

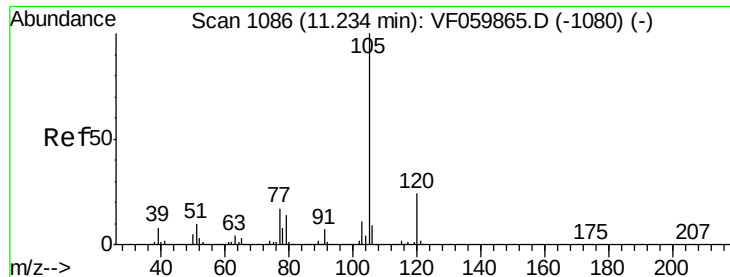
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	203167		
115	60.7	29.8	89.4	
150	157.4	0.0	315.6	





#73

Isopropylbenzene

Concen: 132.23 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1798713

Ion Ratio Lower Upper

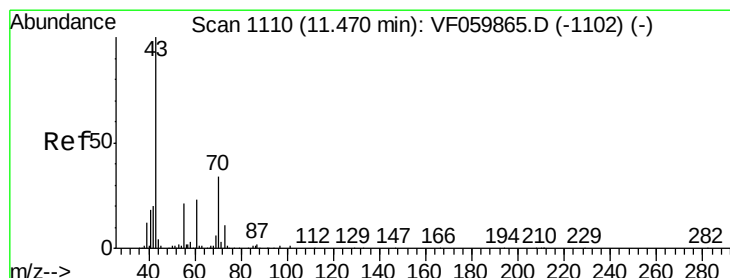
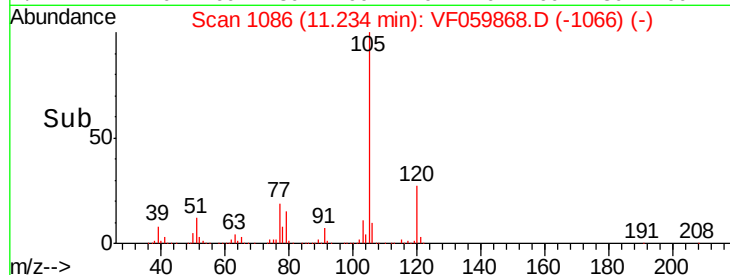
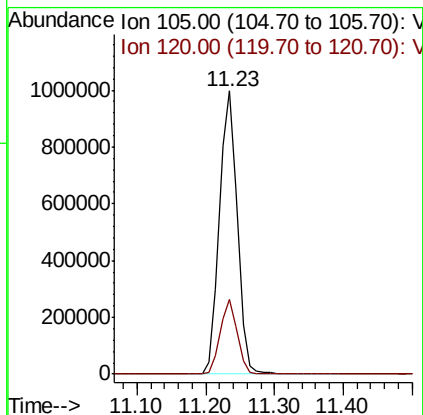
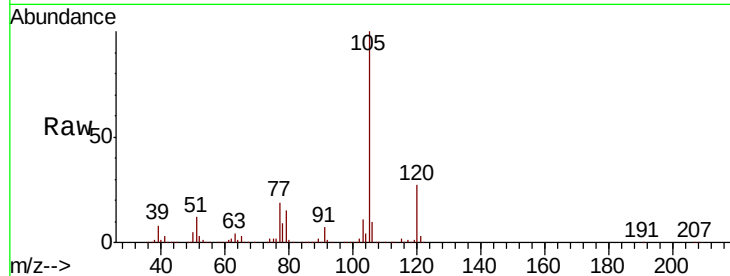
105 100

120 26.6 12.1 36.3

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#74

N-ethyl acetate

Concen: 146.11 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion: 43 Resp: 490268

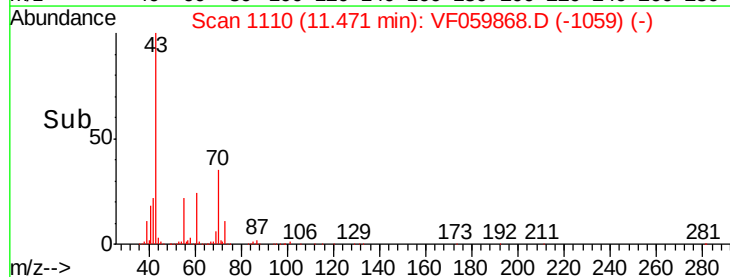
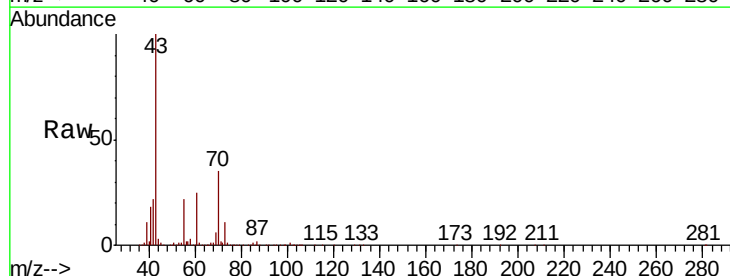
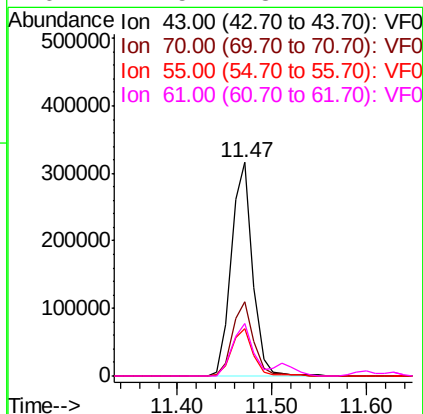
Ion Ratio Lower Upper

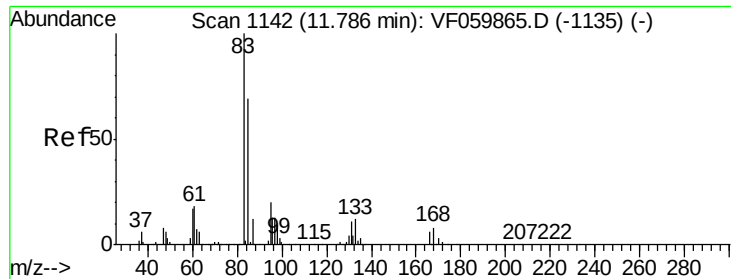
43 100

70 34.6 27.5 41.3

55 22.4 16.6 25.0

61 24.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 132.78 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

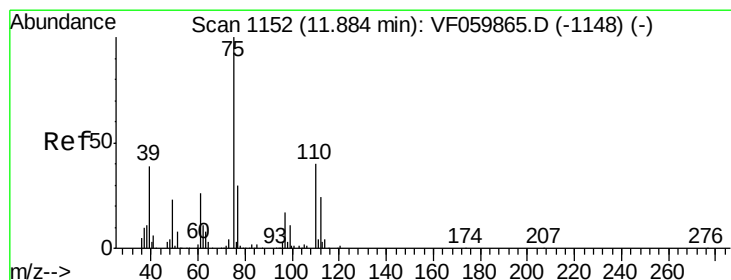
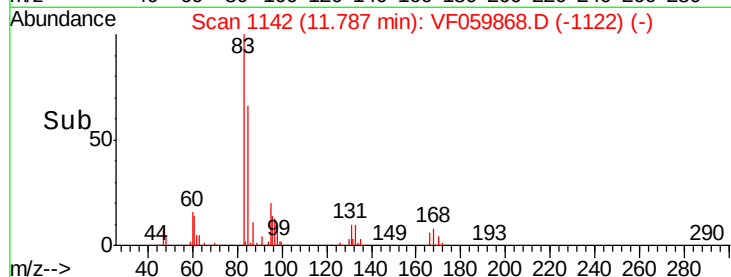
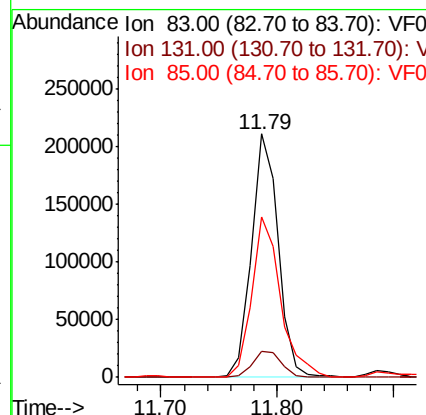
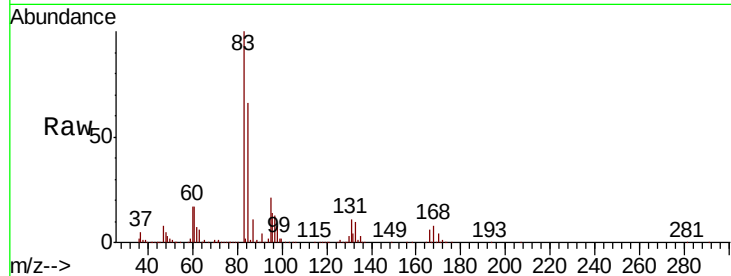
ClientSampleId :

VSTDIC150

Tot Ion	83	Resp	334304
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	66.1	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 130.12 ug/l

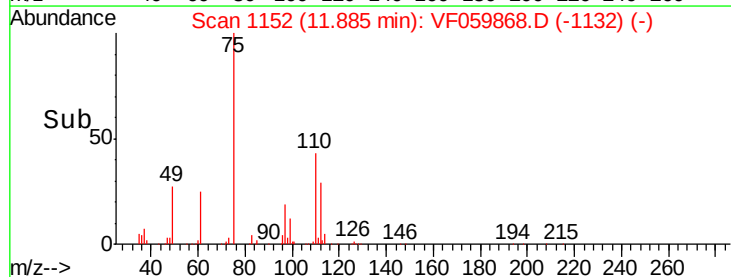
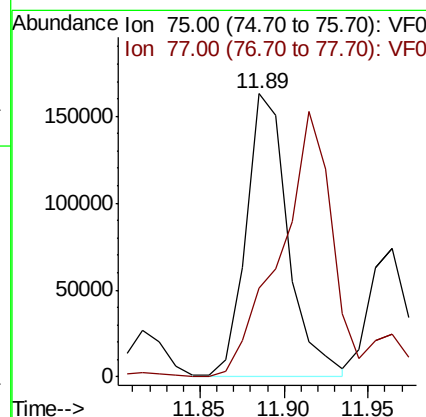
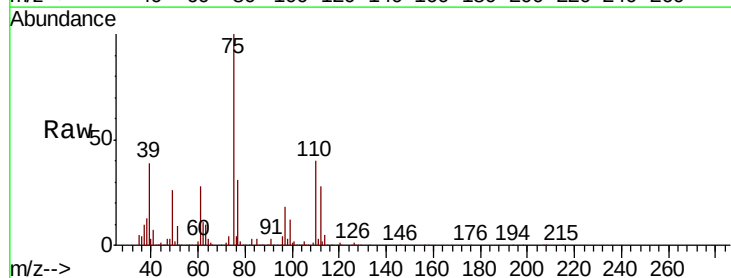
RT: 11.89 min Scan# 1152

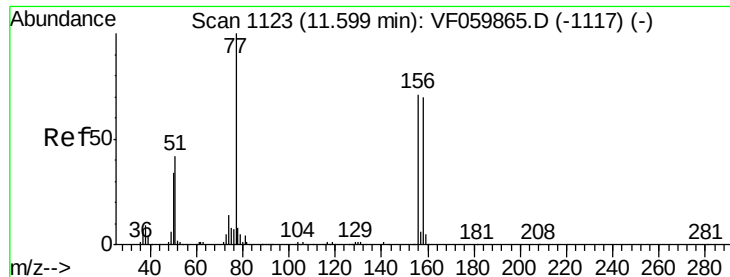
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion	75	Resp	280863
Ion Ratio	Lower	Upper	
75	100		
77	31.2	15.4	46.2





#77

Bromobenzene

Concen: 136.87 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 484566

Ion Ratio Lower Upper

156 100

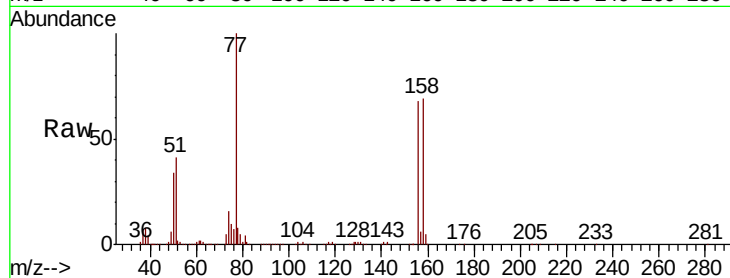
77 146.5 70.2 210.6

158 101.4 49.2 147.6

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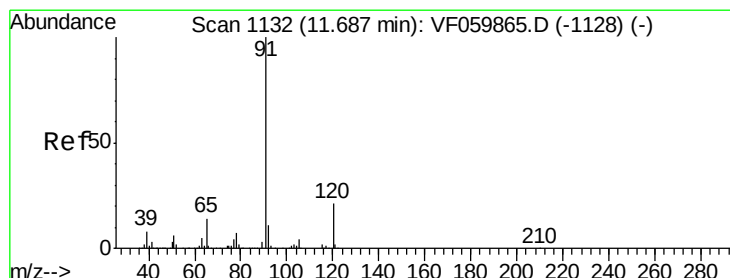
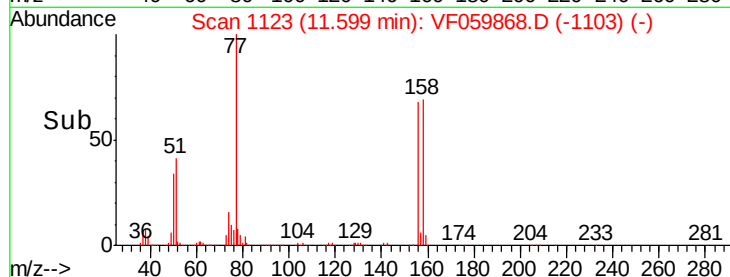
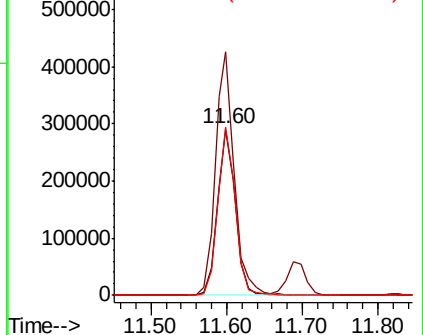
8/6/2018 10:26:12 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 124.19 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059868.D

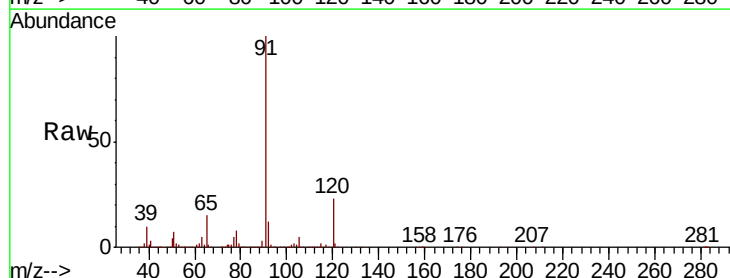
Acq: 4 Aug 2018 6:07

Tgt Ion: 91 Resp: 1970035

Ion Ratio Lower Upper

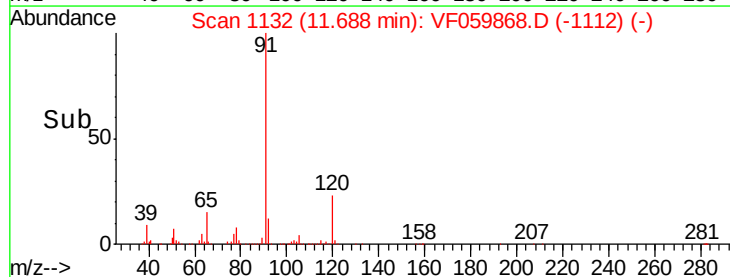
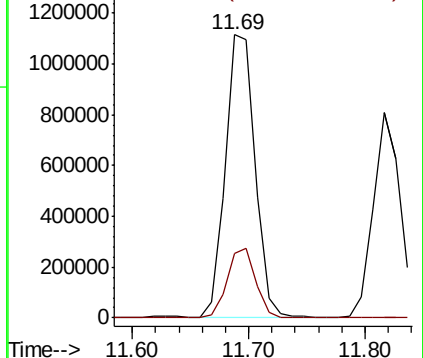
91 100

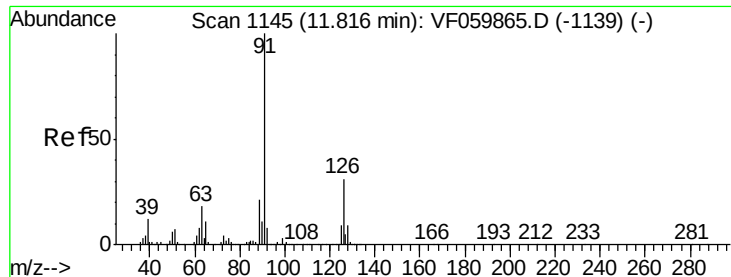
120 22.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





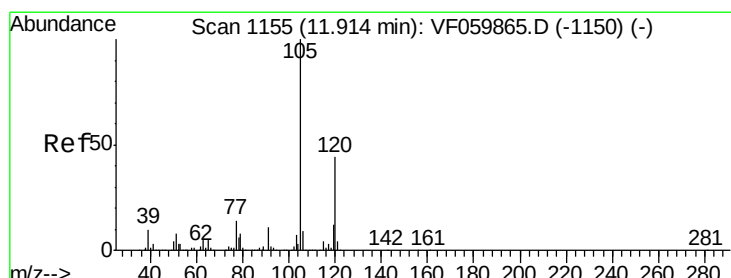
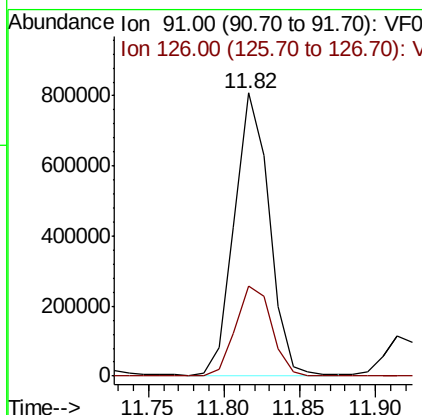
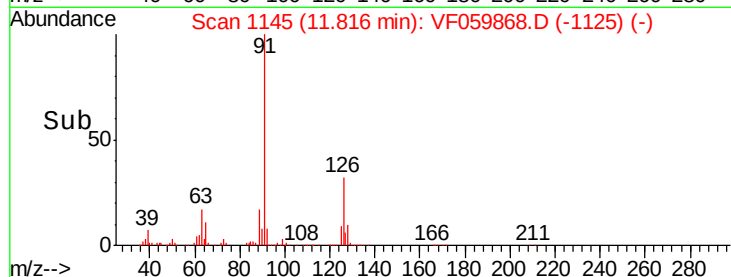
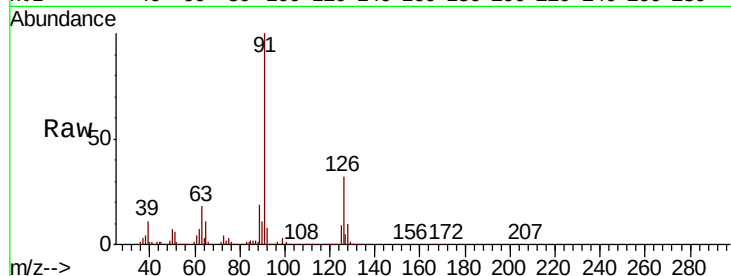
#79
 2-Chlorotoluene
 Concen: 130.54 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1287038
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.6 46.7

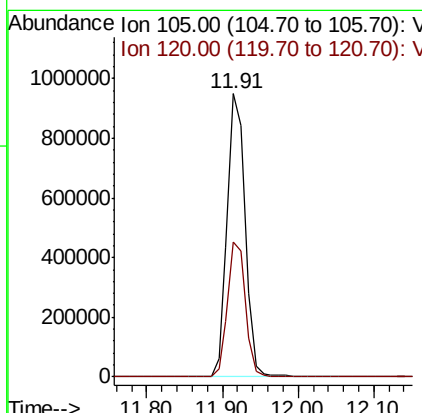
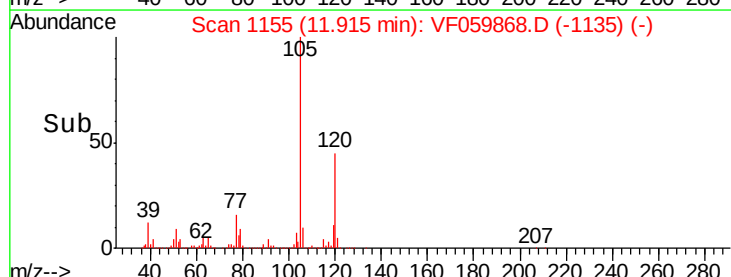
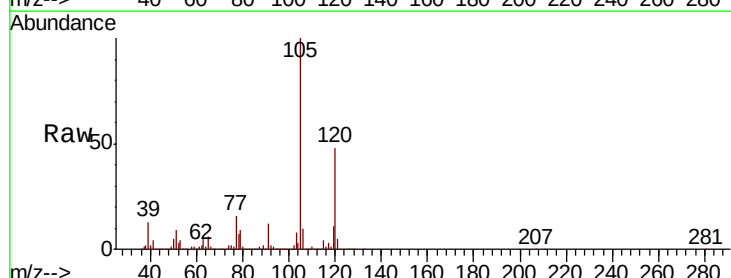
Manual Integrations
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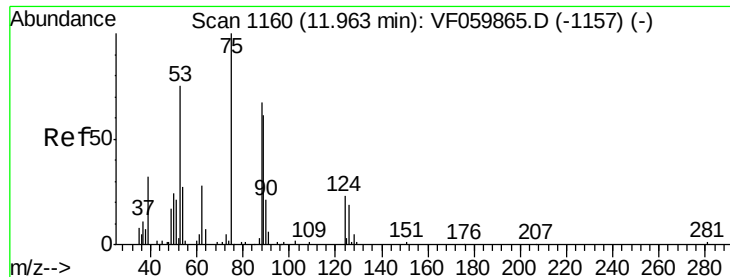
apatel
 8/6/2018 10:26:12 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 127.76 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion:105 Resp: 1565504
 Ion Ratio Lower Upper
 105 100
 120 47.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 145.14 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

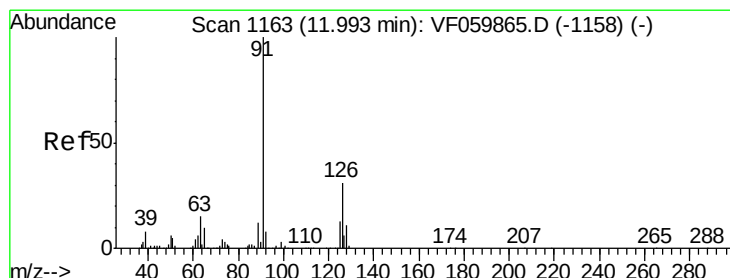
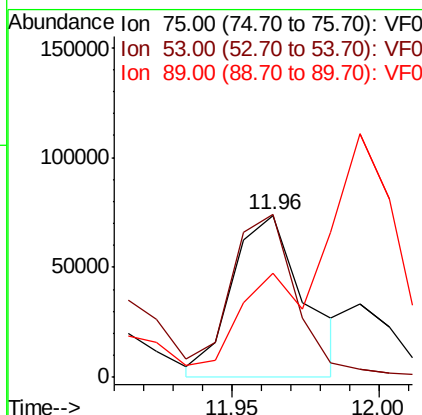
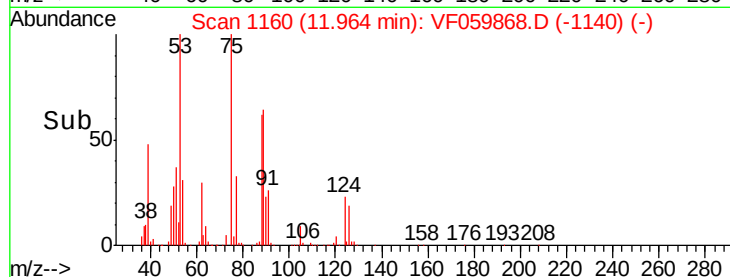
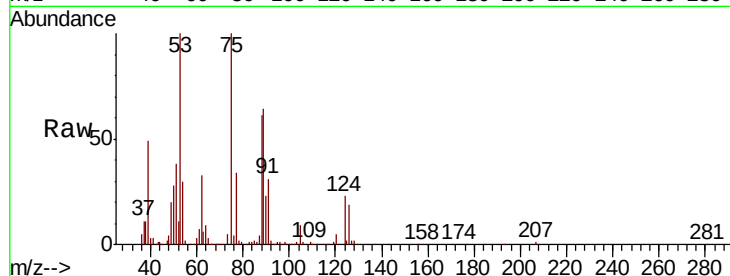
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	126074
Ion Ratio	Lower	Upper	
75	100		
53	100.1	65.9	98.9#
89	64.4	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 133.20 ug/l

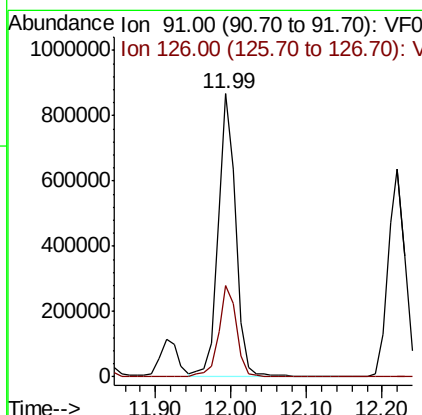
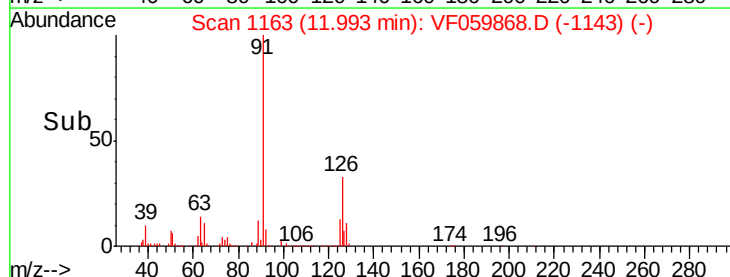
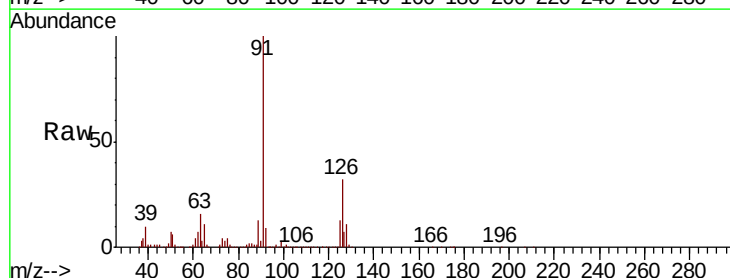
RT: 11.99 min Scan# 1163

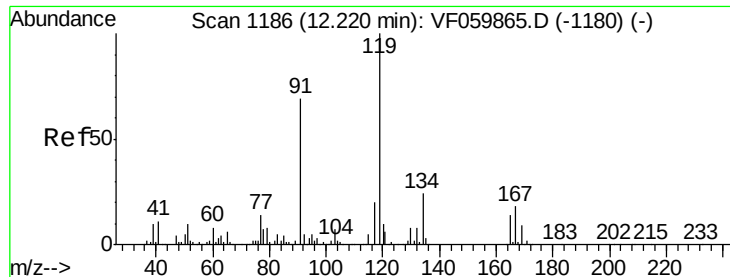
Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Tgt Ion:	91	Resp:	1401617
Ion Ratio	Lower	Upper	
91	100		
126	32.3	15.7	47.0





#83

tert-Butylbenzene

Concen: 124.07 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1508714

Ion Ratio Lower Upper

119 100

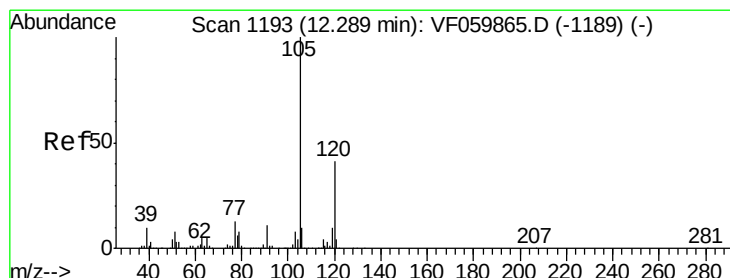
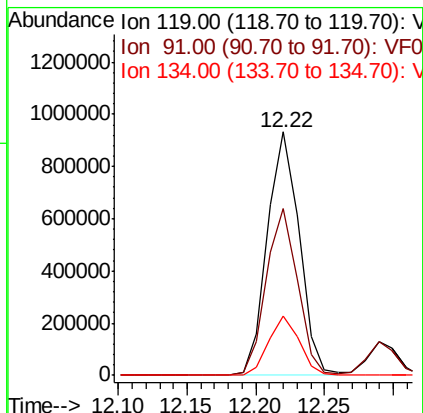
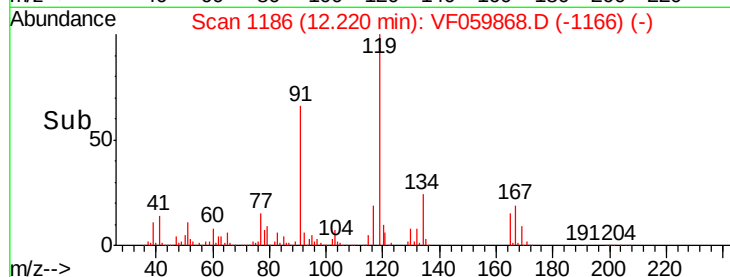
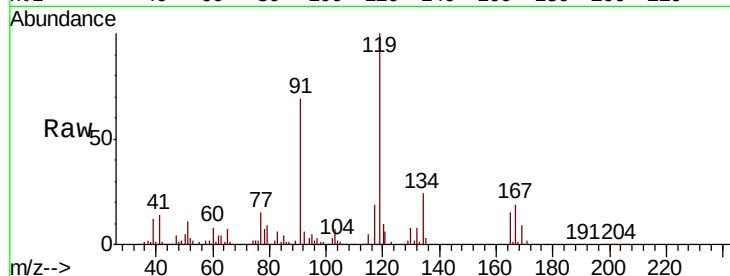
91 68.5 34.4 103.2

134 24.2 12.1 36.3

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#84

1,2,4-Trimethylbenzene

Concen: 130.86 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059868.D

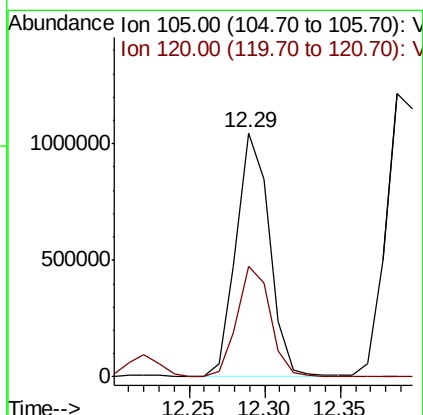
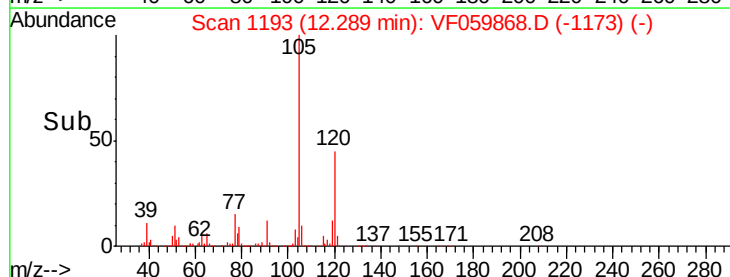
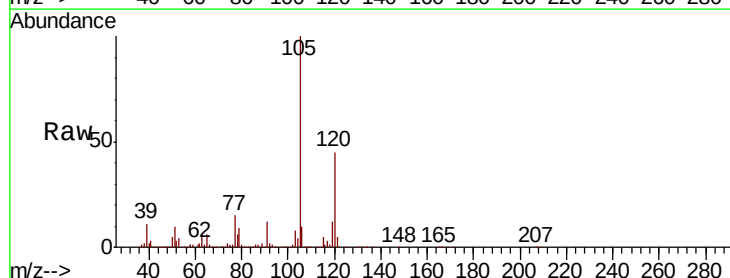
Acq: 4 Aug 2018 6:07

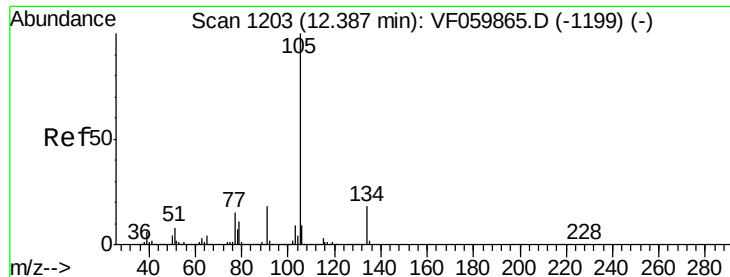
Tgt Ion:105 Resp: 1609479

Ion Ratio Lower Upper

105 100

120 45.5 20.8 62.5





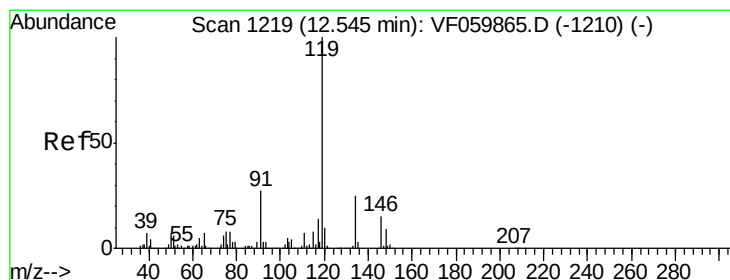
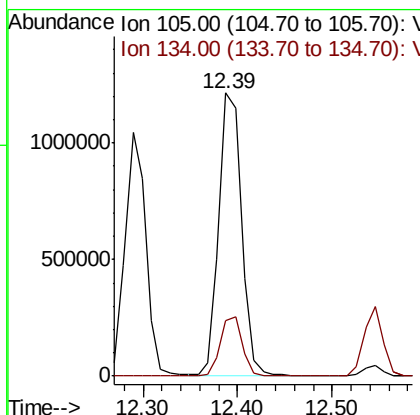
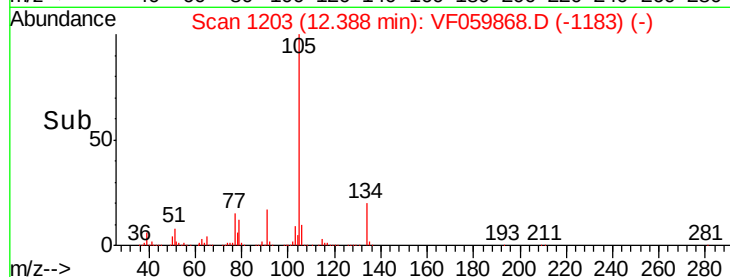
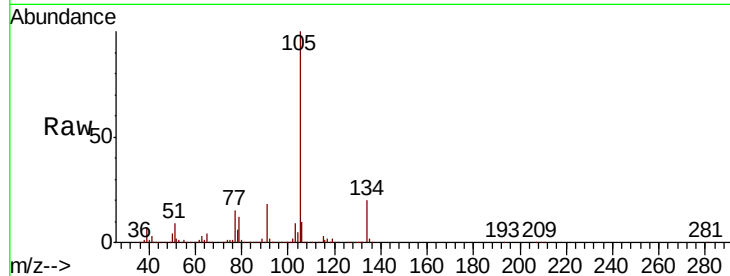
#85
 sec-Butylbenzene
 Concen: 129.92 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2034124
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.1 27.3

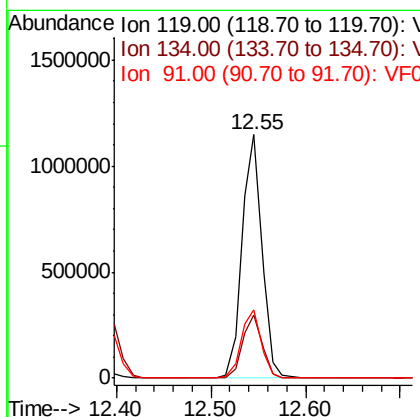
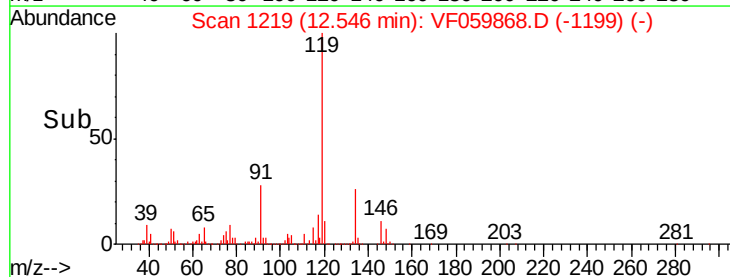
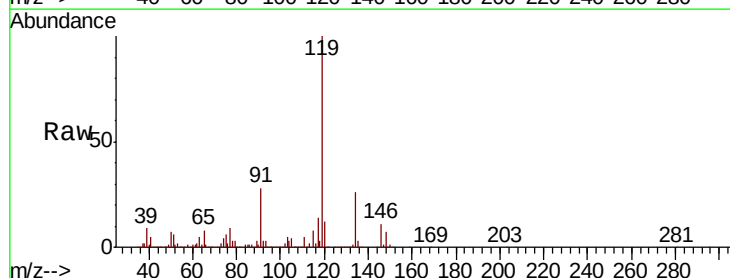
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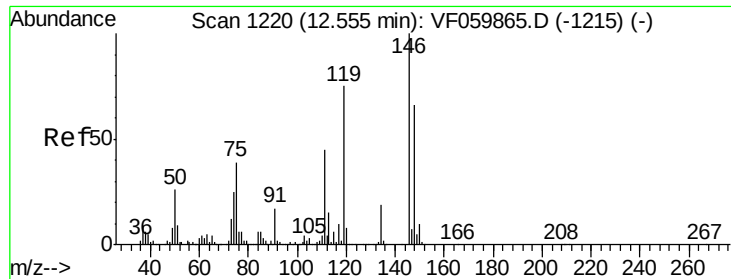
apatel
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#86
 p-Isopropyltoluene
 Concen: 120.59 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion:119 Resp: 1665263
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.4 37.0
 91 28.1 13.6 40.7





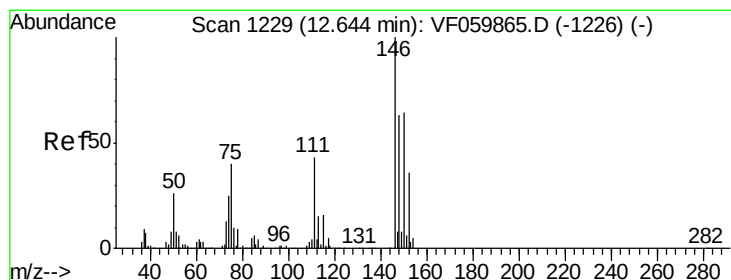
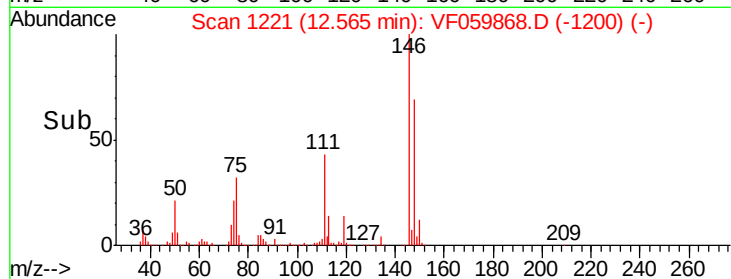
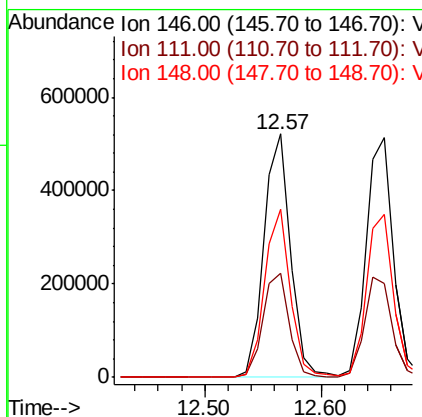
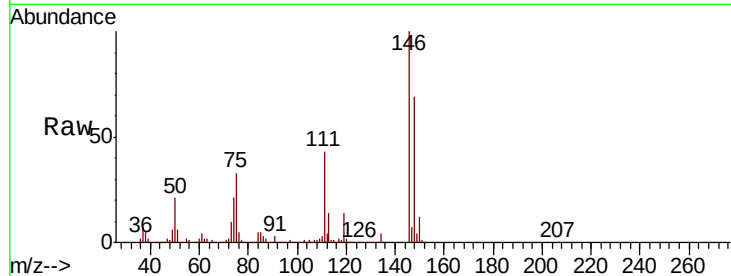
#87
 1,3-Dichlorobenzene
 Concen: 121.90 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.4	67.0
148	68.9	33.1	99.3

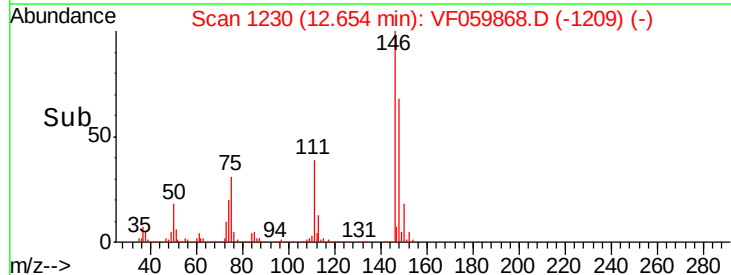
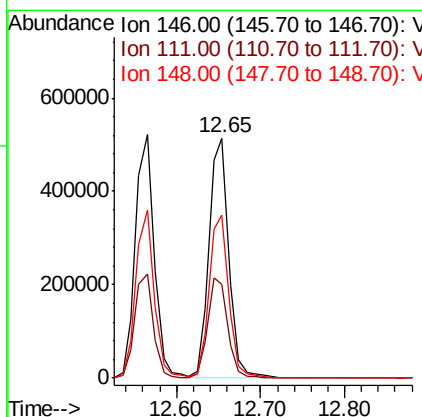
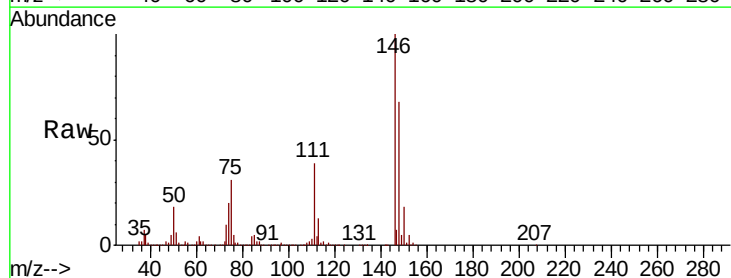
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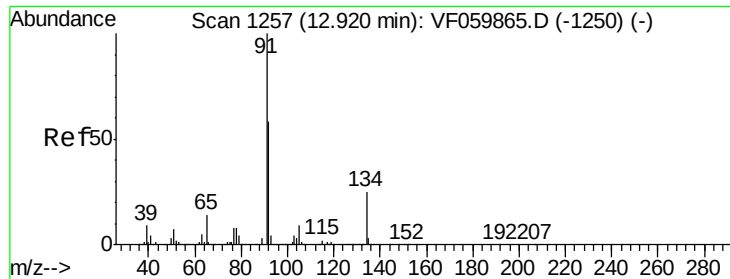
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 126.08 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059868.D
 Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.2
148	67.7	31.6	94.7





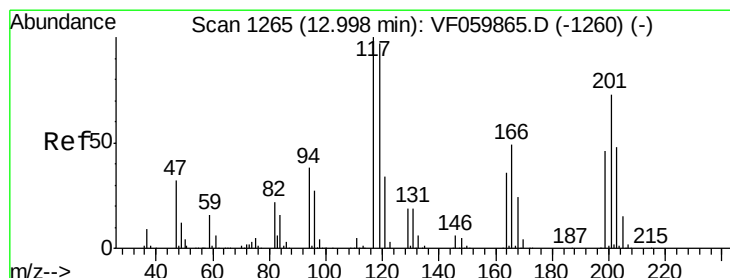
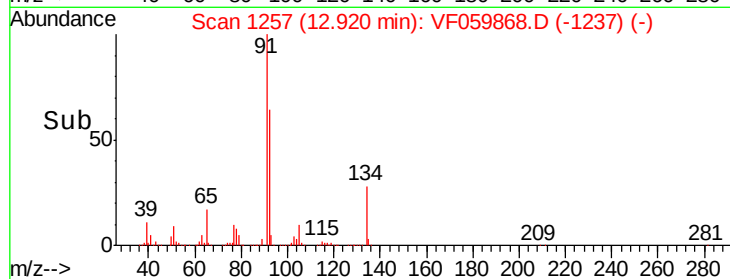
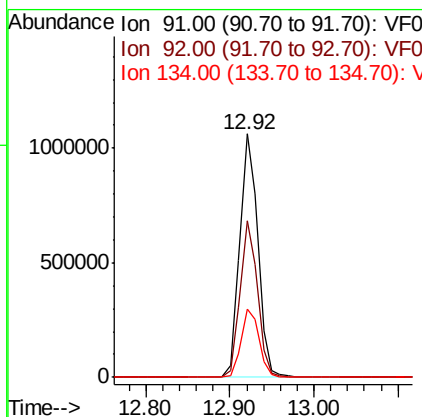
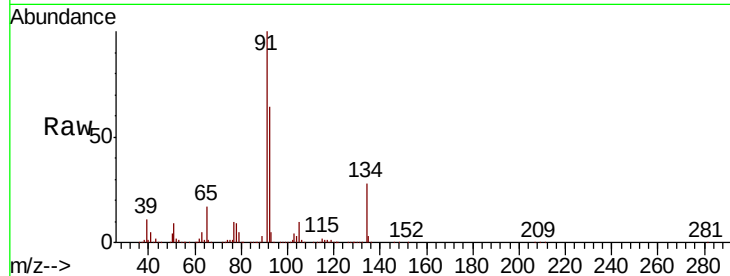
#89
n-Butylbenzene
Concen: 122.05 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.4	28.8	86.5
134	28.1	12.6	37.6

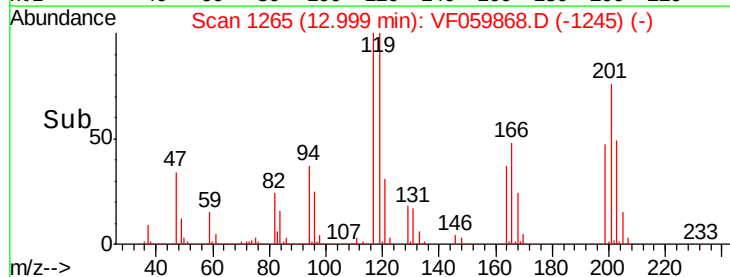
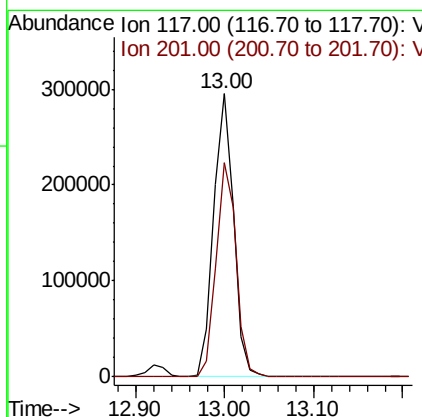
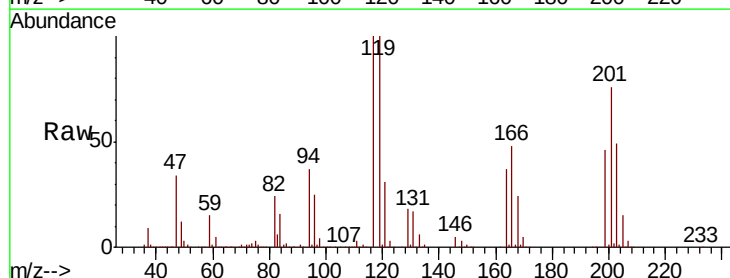
Manual Integrations
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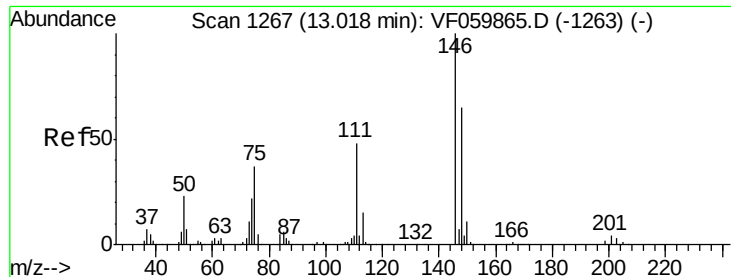
apatel
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#90
Hexachloroethane
Concen: 132.53 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	36.6	109.8





#91

1,2-Dichlorobenzene

Concen: 128.64 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 146 Resp: 839877

Ion Ratio Lower Upper

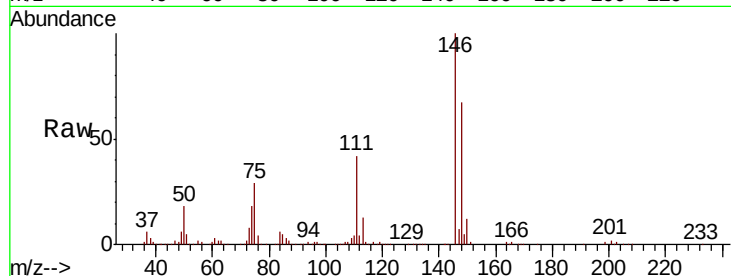
146 100

111 42.0 24.1 72.2

148 67.1 32.8 98.3

Manual Integrations
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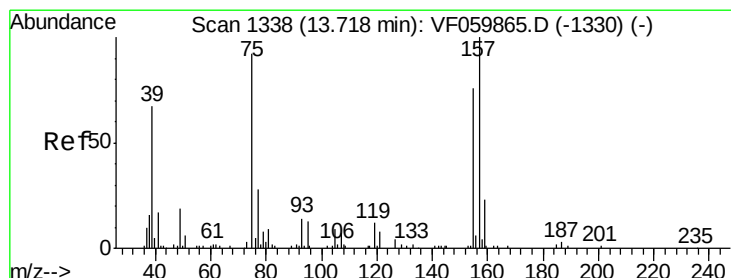
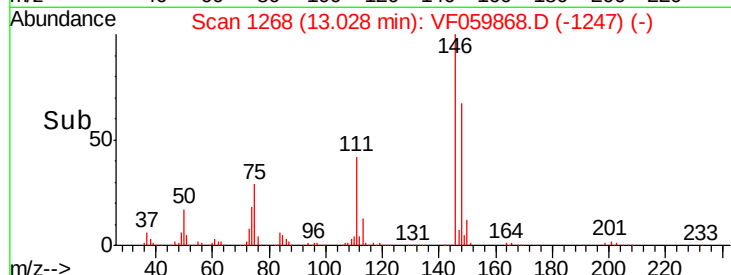
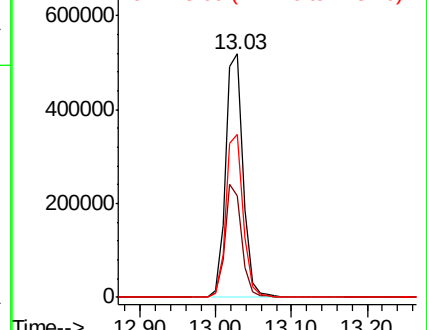
apatel
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 152.10 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

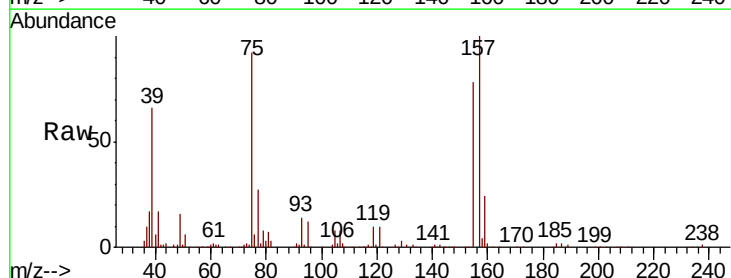
Tgt Ion: 75 Resp: 95215

Ion Ratio Lower Upper

75 100

155 85.2 41.2 123.6

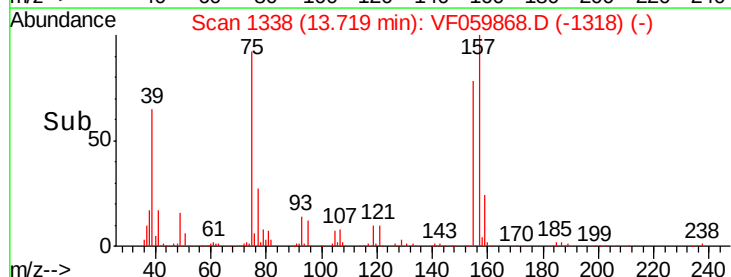
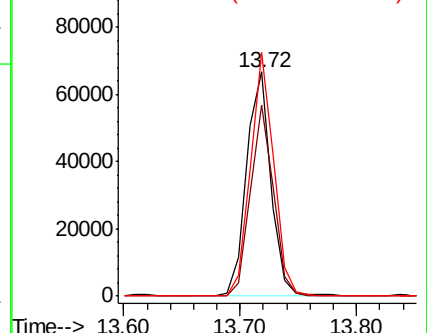
157 108.6 54.5 163.6

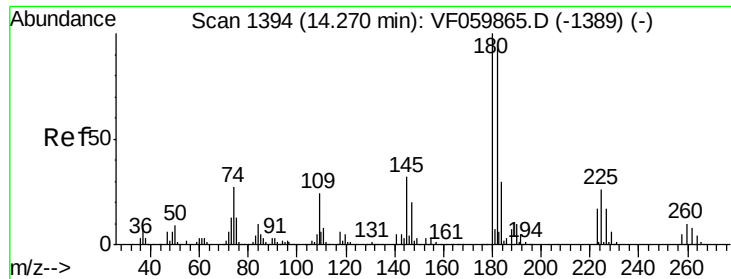


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





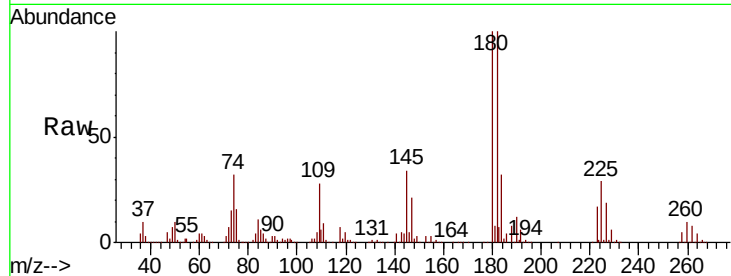
#93
1,2,4-Trichlorobenzene
Concen: 125.75 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.0	46.4	139.2	
145	34.3	15.9	47.7	

Manual Integrations
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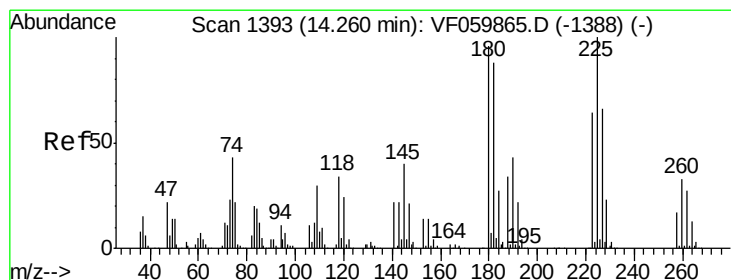
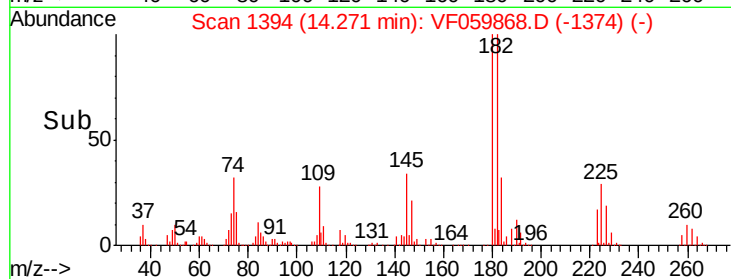
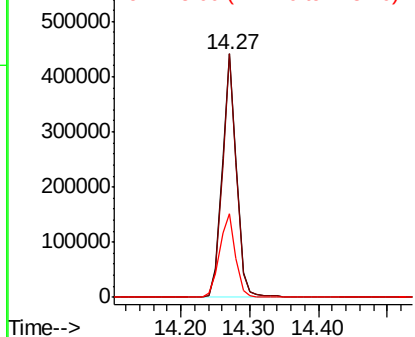


Abundance

Ion 180.00 (179.70 to 180.70): V

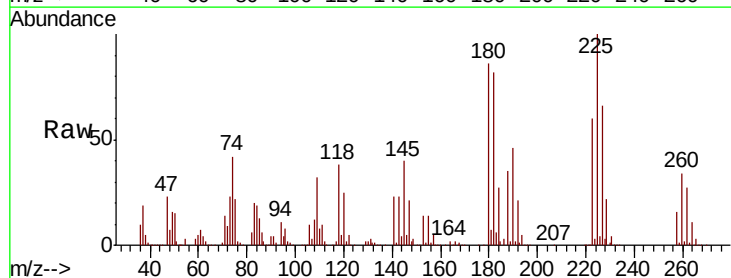
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 127.90 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059868.D
Acq: 4 Aug 2018 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.3	31.9	95.9	
227	66.5	32.8	98.4	

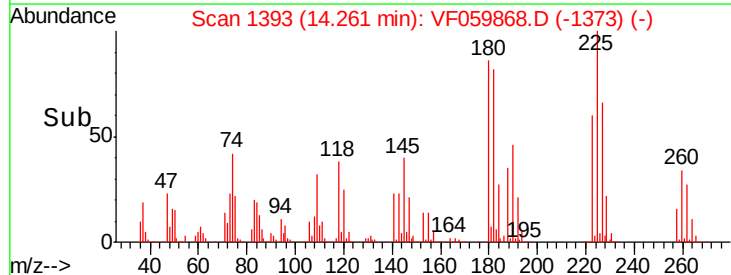
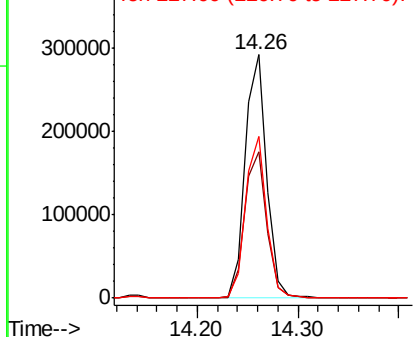


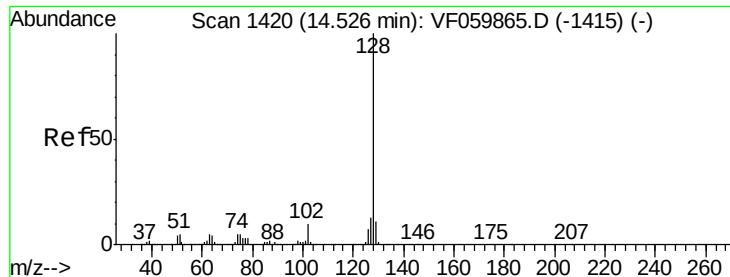
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 151.42 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1343967

Ion Ratio Lower Upper

128 100

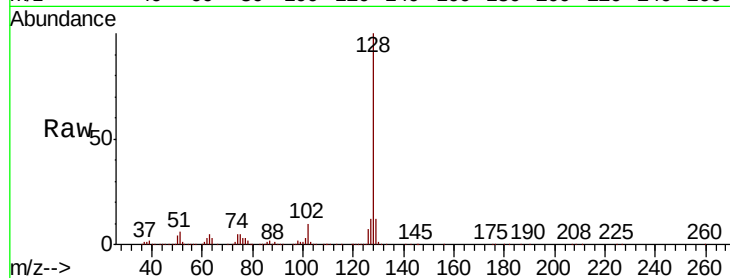
127 12.4 10.4 15.6

129 12.0 9.0 13.6

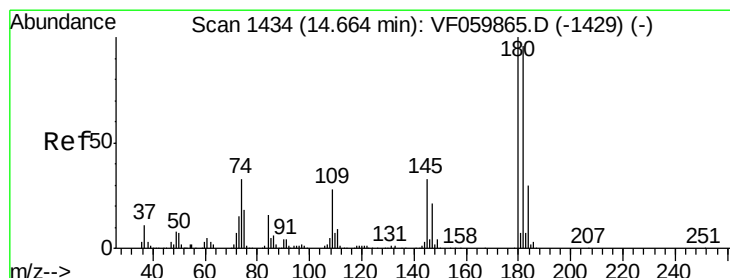
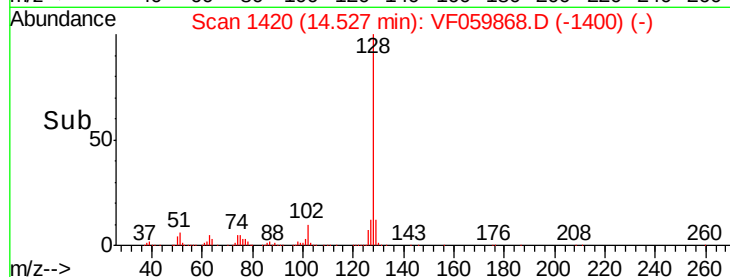
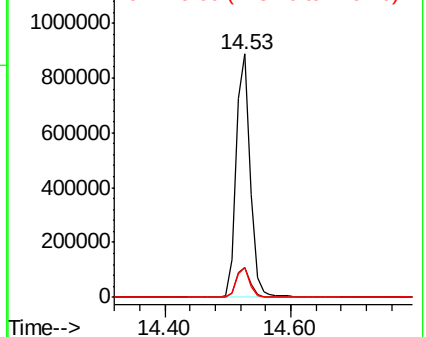
Manual Integrations
APPROVED

apatel

8/6/2018 10:26:12 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 133.05 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059868.D

Acq: 4 Aug 2018 6:07

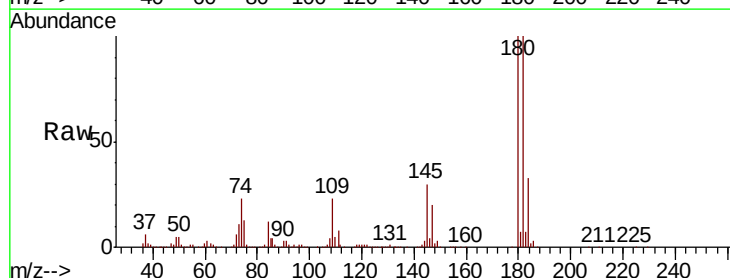
Tgt Ion:180 Resp: 655623

Ion Ratio Lower Upper

180 100

182 99.8 48.1 144.3

145 30.3 16.6 49.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

