

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059266.D
 Acq On : 21 Jun 2018 17:13
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:31 AM

Quant Time: Jun 22 05:05:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	238719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	360566	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	372003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	227453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163961	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
35) Dibromofluoromethane	4.30	113	144904	56.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.48%	
50) Toluene-d8	7.71	98	379065	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.51	95	210492	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	134255	49.52	ug/l	100
3) Chloromethane	1.08	50	84319	41.72	ug/l	100
4) Vinyl Chloride	1.14	62	86842	46.74	ug/l	100
5) Bromomethane	1.34	94	56891	51.18	ug/l	100
6) Chloroethane	1.43	64	42900	54.34	ug/l	100
7) Trichlorofluoromethane	1.49	101	179928m	59.74	ug/l	
8) Diethyl Ether	1.70	74	34830	47.65	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89968	48.38	ug/l	100
10) Methyl Iodide	1.96	142	166161	50.85	ug/l	100
11) Tert butyl alcohol	2.68	59	45335	243.20	ug/l	100
12) 1,1-Dichloroethene	1.85	96	77506	49.74	ug/l	100
13) Acrolein	2.09	56	36667	226.08	ug/l	100
14) Allyl chloride	2.19	41	144950	47.26	ug/l	100
15) Acrylonitrile	3.07	53	84150	235.18	ug/l	100
16) Acetone	2.33	43	192524	273.01	ug/l	100
17) Carbon Disulfide	1.87	76	194996	45.51	ug/l	100
18) Methyl Acetate	2.45	43	70022	56.77	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	277342	55.56	ug/l	100
20) Methylene Chloride	2.31	84	79521m	48.00	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	86898	50.22	ug/l	100
22) Diisopropyl ether	2.93	45	311259	50.71	ug/l	100
23) Vinyl Acetate	3.33	43	1015830	253.77	ug/l	100
24) 1,1-Dichloroethane	2.99	63	195640	52.32	ug/l	100
25) 2-Butanone	4.51	43	257315	238.75	ug/l	100
26) 2,2-Dichloropropane	3.75	77	141437	52.40	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	131656	49.74	ug/l	100
28) Bromochloromethane	3.88	49	76339	46.14	ug/l	100
29) Tetrahydrofuran	4.26	42	111305	236.70	ug/l	100
30) Chloroform	4.04	83	287339	53.88	ug/l	100
31) Cyclohexane	3.86	56	141474	44.86	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	220789	55.13	ug/l	100
36) 1,1-Dichloropropene	4.45	75	189506	54.04	ug/l	100
37) Ethyl Acetate	4.29	43	113945	52.05	ug/l	100
38) Carbon Tetrachloride	4.17	117	237907m	61.16	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	166005m	47.81	ug/l	
40) Benzene	4.81	78	400586	49.71	ug/l	100
41) Methacrylonitrile	4.92	41	57802	53.79	ug/l	100
42) 1,2-Dichloroethane	5.11	62	244620	64.23	ug/l	100
43) Isopropyl Acetate	7.11	43	154193	52.43	ug/l	100
44) Trichloroethene	5.69	130	144213	55.77	ug/l	100
45) 1,2-Dichloropropane	6.41	63	118853	50.96	ug/l	100
46) Dibromomethane	6.25	93	99952	56.21	ug/l	100
47) Bromodichloromethane	6.54	83	243825	59.40	ug/l	100
48) Methyl methacrylate	6.87	41	98521	54.70	ug/l	100
49) 1,4-Dioxane	6.87	88	10346	867.18	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	537190	266.04	ug/l	100
52) Toluene	7.78	92	303487	51.82	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	226895	56.65	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	243795	54.21	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	123228	57.13	ug/l	100
56) Ethyl methacrylate	8.76	69	148417	54.60	ug/l	100
57) 1,3-Dichloropropane	9.00	76	202333	55.25	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	55126	280.98	ug/l	100
59) 2-Hexanone	9.63	43	421281	263.62	ug/l	100
60) Dibromochloromethane	8.86	129	188168	60.04	ug/l	100
61) 1,2-Dibromoethane	9.14	107	142710	56.83	ug/l	100
64) Tetrachloroethene	8.31	164	144237	52.49	ug/l	100
65) Chlorobenzene	9.94	112	395837	53.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	160601	53.81	ug/l	100
67) Ethyl Benzene	10.04	91	665701	51.80	ug/l	100
68) m/p-Xylenes	10.27	106	495133	101.49	ug/l	100
69) o-Xylene	10.83	106	276958	52.78	ug/l	100
70) Styrene	10.90	104	404925	51.30	ug/l	100
71) Bromoform	10.89	173	118677	57.77	ug/l	100
73) Isopropylbenzene	11.23	105	796625	50.63	ug/l	100
74) N-amyl acetate	11.46	43	256076	45.90	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	180467	48.37	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	133721	48.42	ug/l	100
77) Bromobenzene	11.60	156	213516	53.22	ug/l	100
78) n-propylbenzene	11.69	91	941772	50.54	ug/l	100
79) 2-Chlorotoluene	11.82	91	558601	50.55	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	680788	51.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	88103	48.99	ug/l	100
82) 4-Chlorotoluene	11.99	91	597688	50.75	ug/l	100
83) tert-Butylbenzene	12.21	119	706834	54.11	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	705086	52.28	ug/l	100
85) sec-Butylbenzene	12.39	105	897184	50.99	ug/l	100
86) p-Isopropyltoluene	12.54	119	773300	53.36	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	381160	51.63	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	376578	52.87	ug/l	100
89) n-Butylbenzene	12.92	91	767811	50.96	ug/l	100
90) Hexachloroethane	13.00	117	184355	51.77	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	363555	51.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	41298	55.52	ug/l	100

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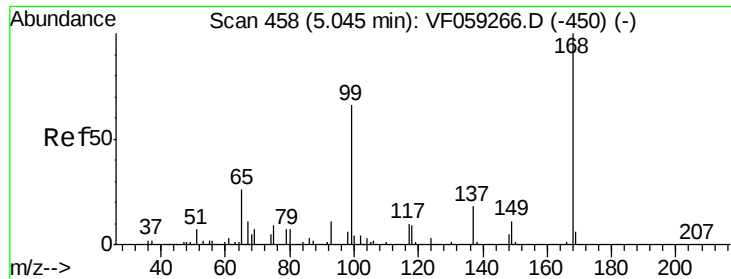
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	288107	56.96	ug/l	100
94) Hexachlorobutadiene	14.26	225	169923	58.23	ug/l	100
95) Naphthalene	14.53	128	617625	57.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	278734	59.58	ug/l	100

(#) = 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: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 238719

Ion Ratio Lower Upper

168 100

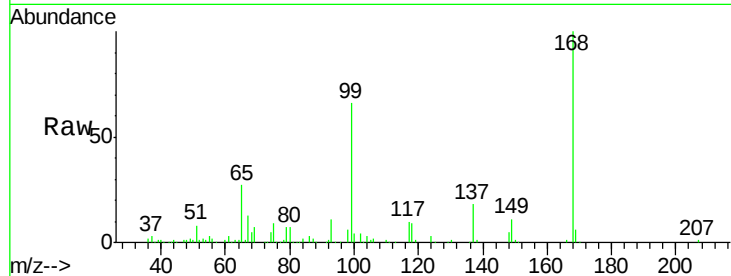
99 65.7 52.6 78.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

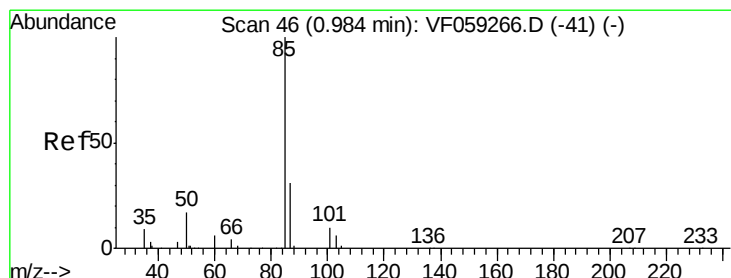
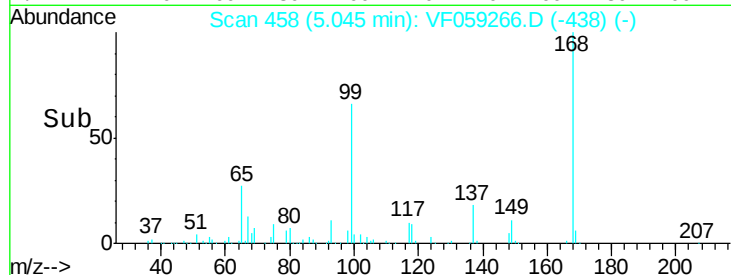
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 49.52 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059266.D

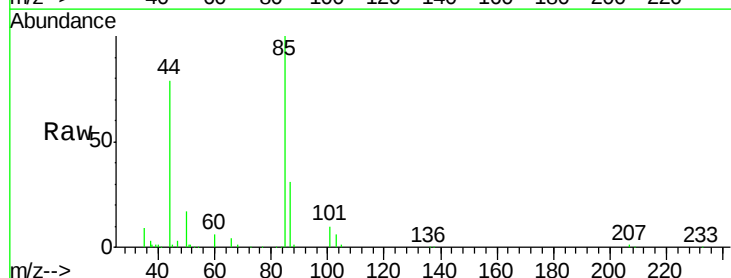
Acq: 21 Jun 2018 17:13

Tgt Ion: 85 Resp: 134255

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

30000

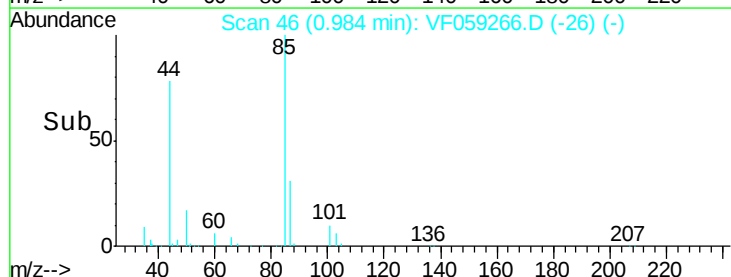
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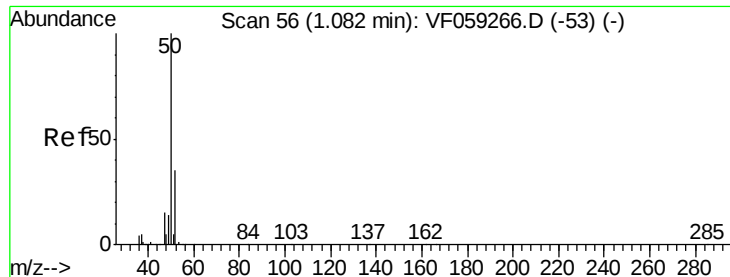
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 41.72 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 84319

Ion Ratio Lower Upper

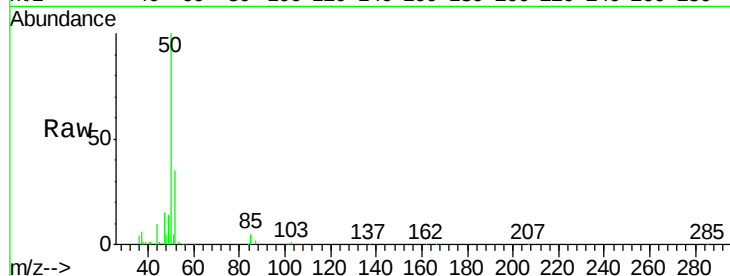
50 100

52 34.6 27.7 41.5

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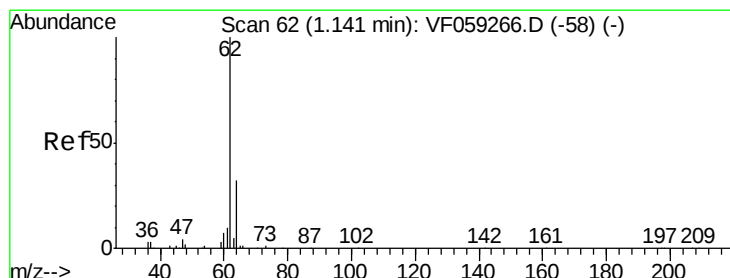
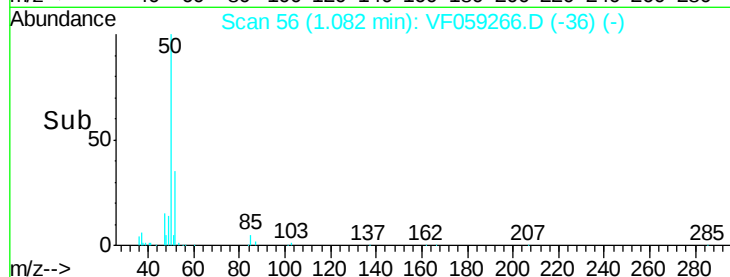
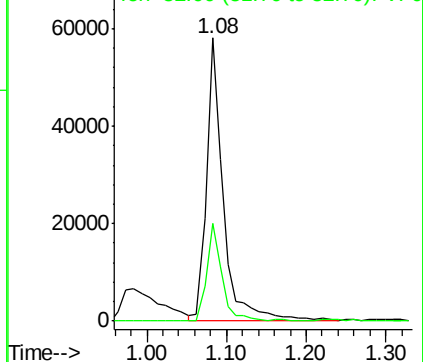
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 46.74 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059266.D

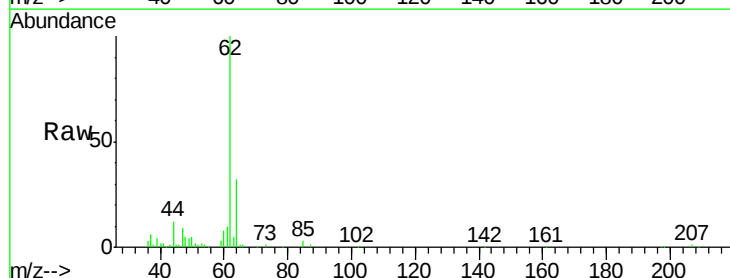
Acq: 21 Jun 2018 17:13

Tgt Ion: 62 Resp: 86842

Ion Ratio Lower Upper

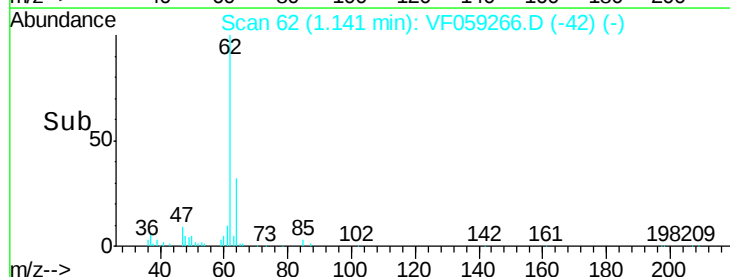
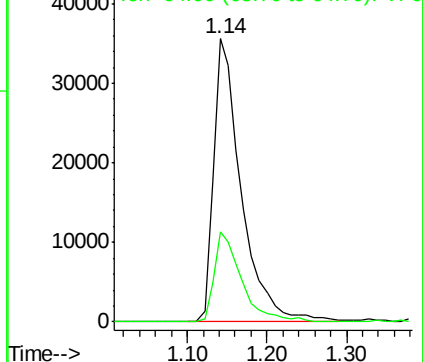
62 100

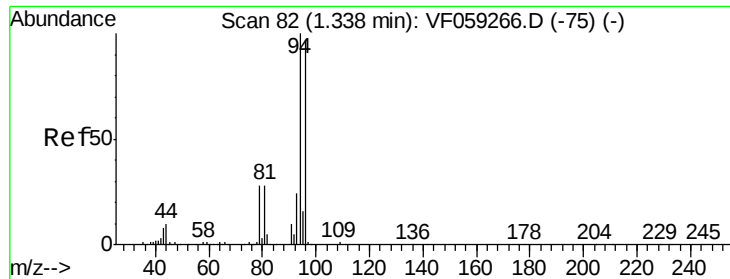
64 32.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 51.18 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 56891

Ion Ratio Lower Upper

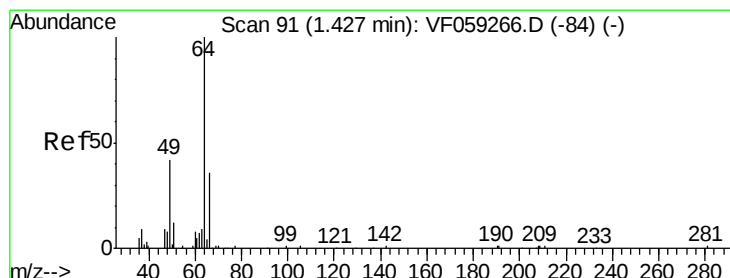
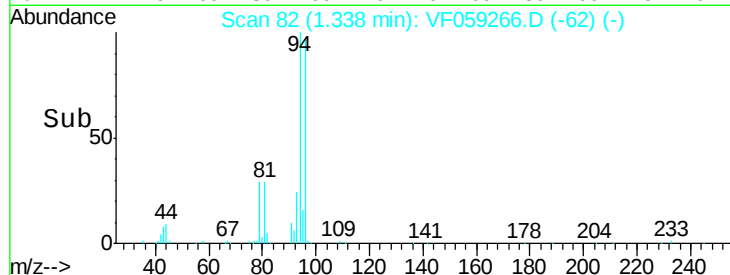
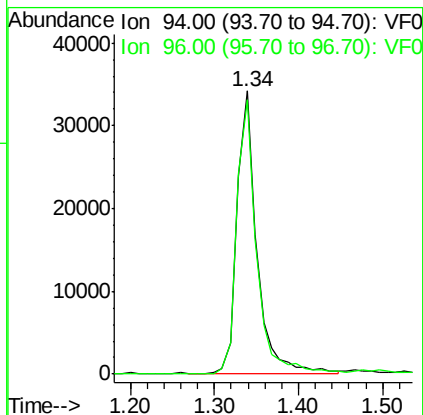
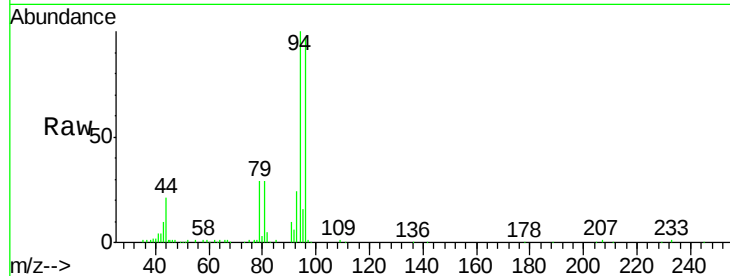
94 100

96 97.1 77.7 116.5

Manual Integrations
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#6

Chloroethane

Concen: 54.34 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059266.D

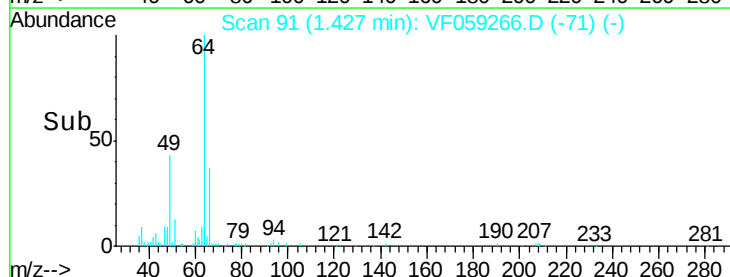
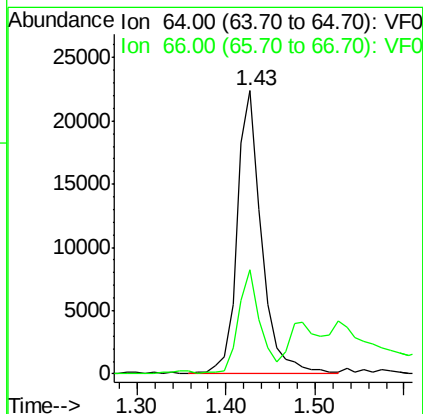
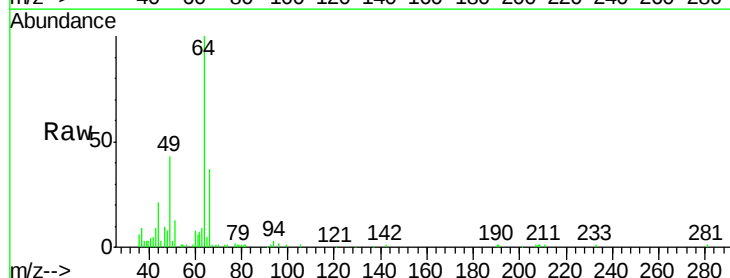
Acq: 21 Jun 2018 17:13

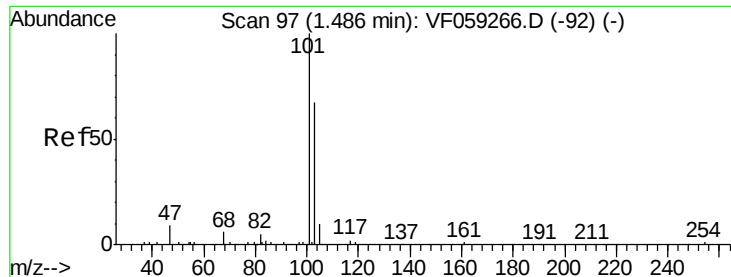
Tgt Ion: 64 Resp: 42900

Ion Ratio Lower Upper

64 100

66 36.8 29.4 44.2





#7

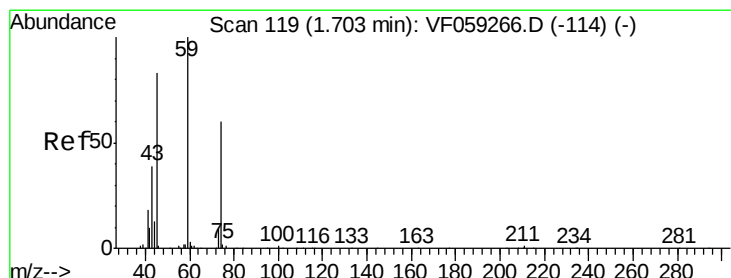
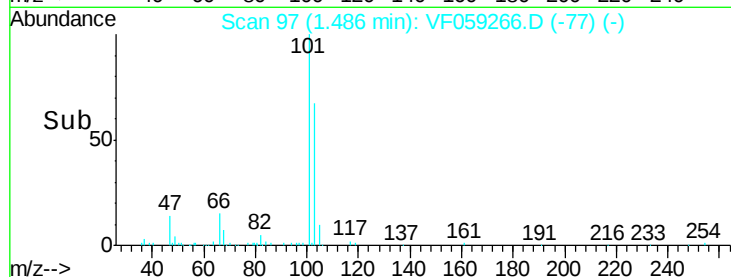
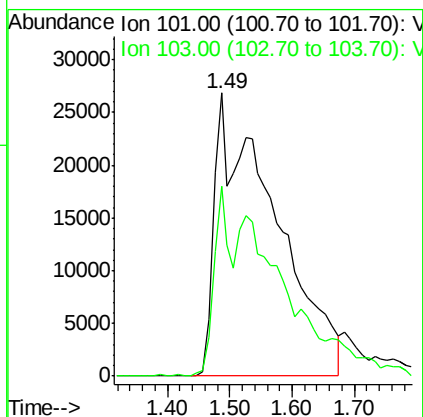
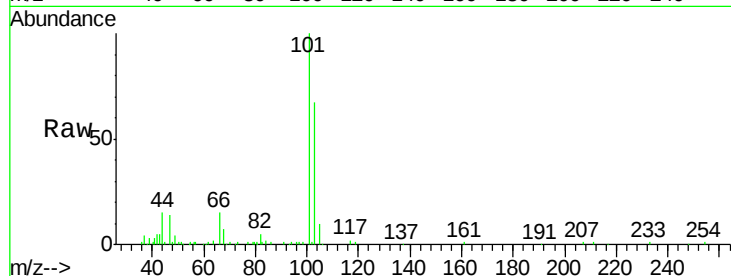
Trichlorofluoromethane
Concen: 59.74 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	67.3	53.8	80.8	

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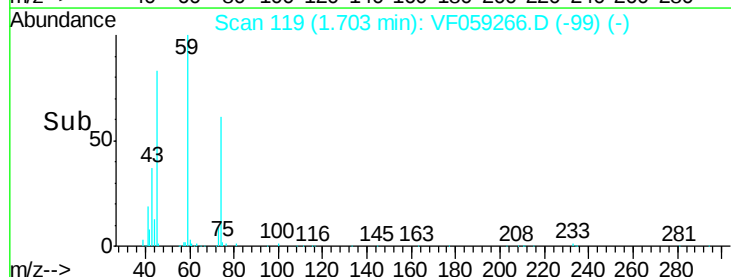
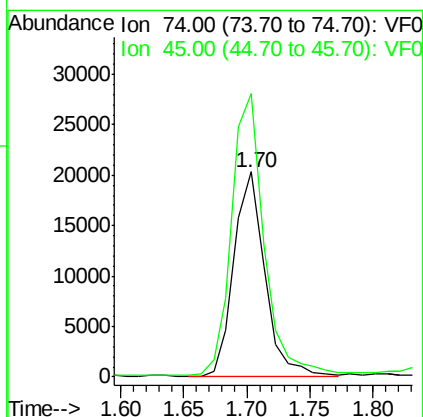
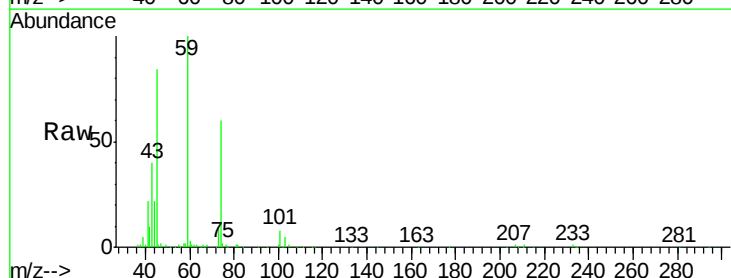
apatel
6/22/2018 11:34:31 AM

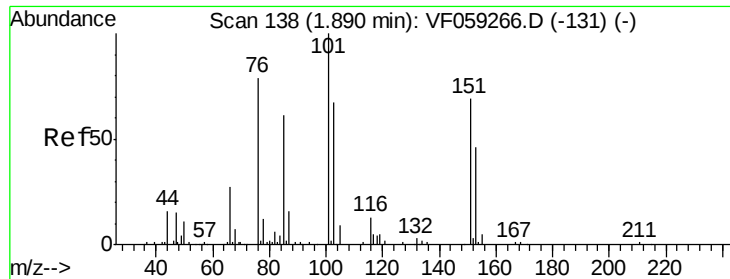


#8

Diethyl Ether
Concen: 47.65 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	138.3	69.2	207.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.38 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

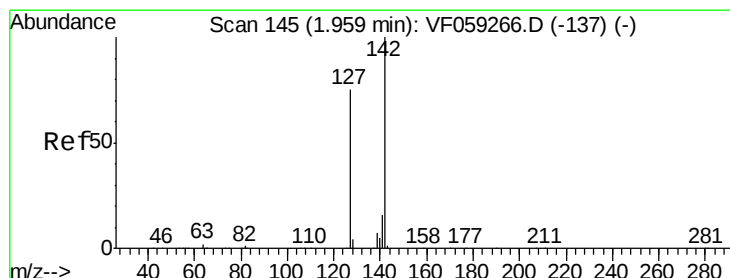
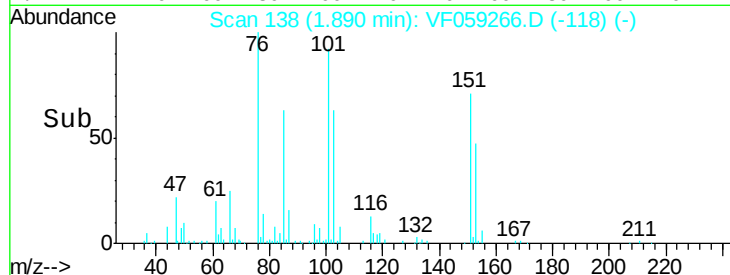
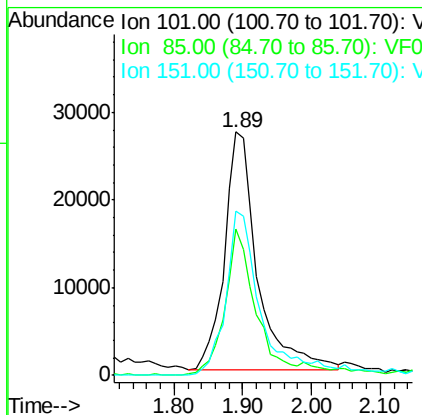
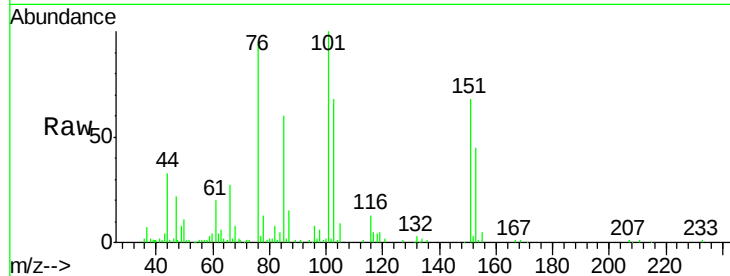
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	89968
Ion Ratio	Lower	Upper	
101	100		
85	59.0	47.2	70.8
151	66.6	53.3	79.9

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#10

Methyl Iodide

Concen: 50.85 ug/l

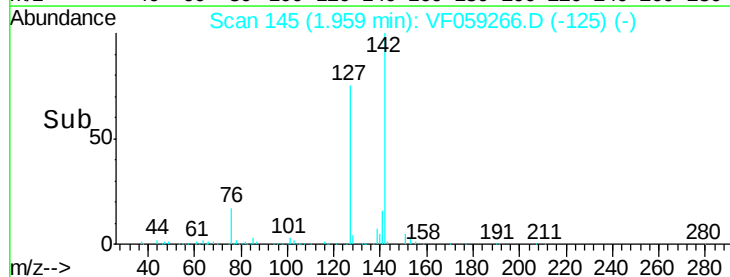
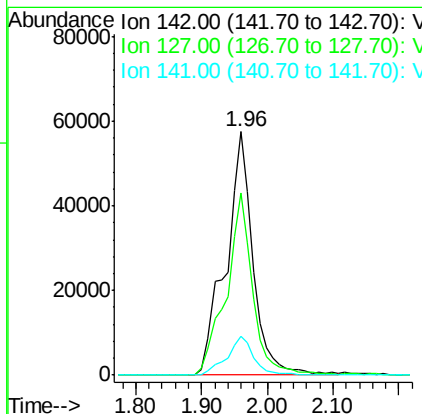
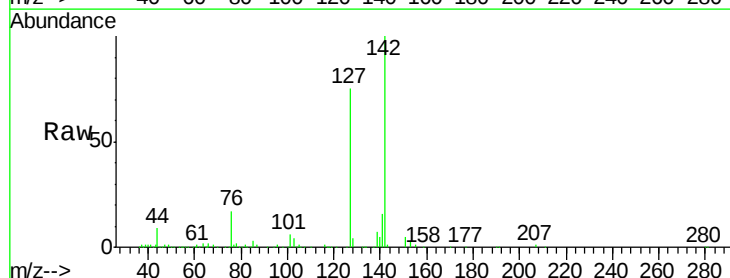
RT: 1.96 min Scan# 145

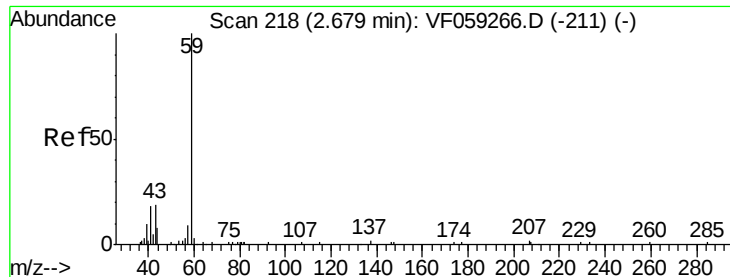
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	142	Resp:	166161
Ion Ratio	Lower	Upper	
142	100		
127	74.9	59.9	89.9
141	15.9	12.7	19.1





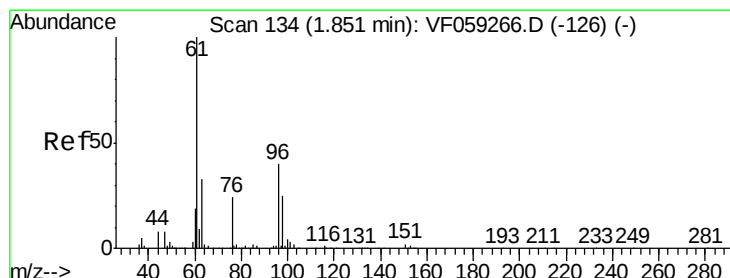
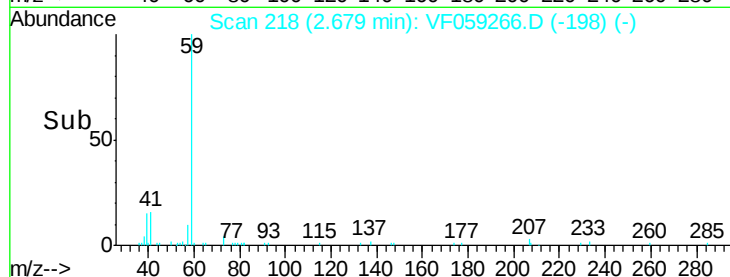
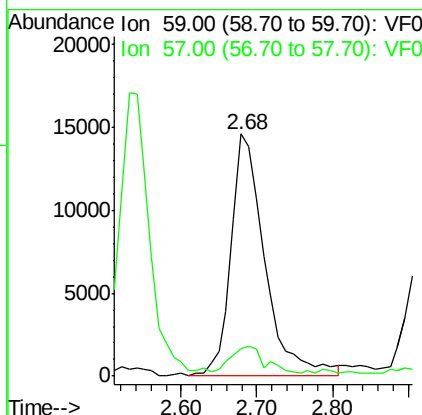
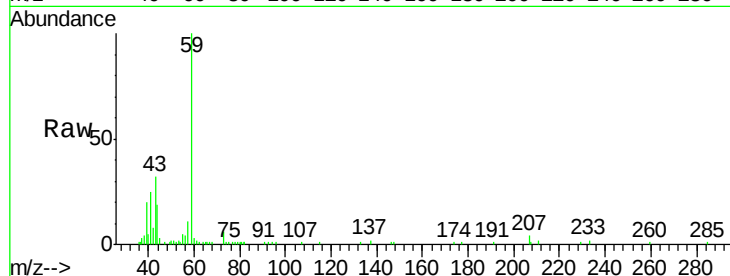
#11
Tert butyl alcohol
Concen: 243.20 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8

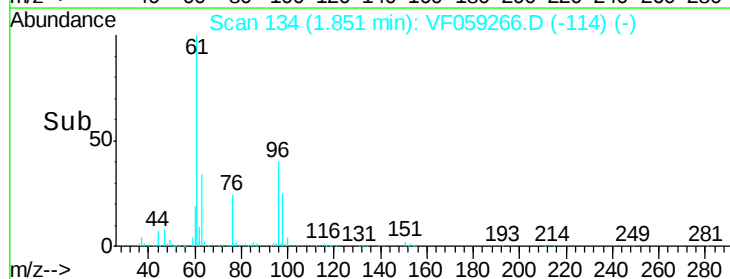
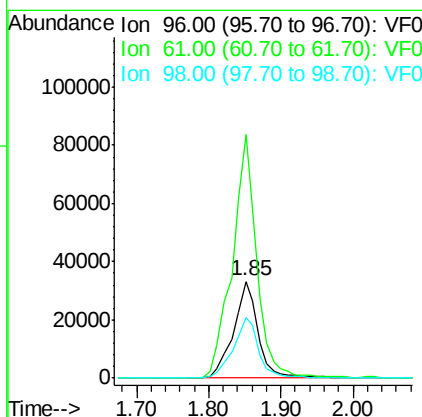
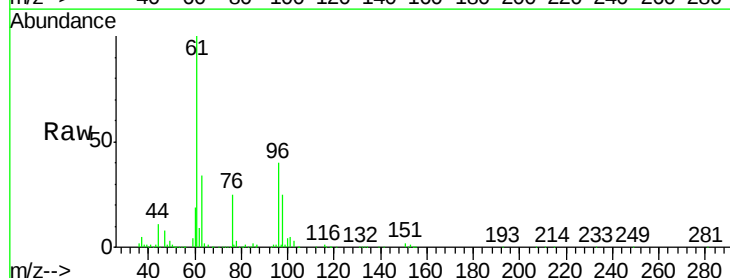
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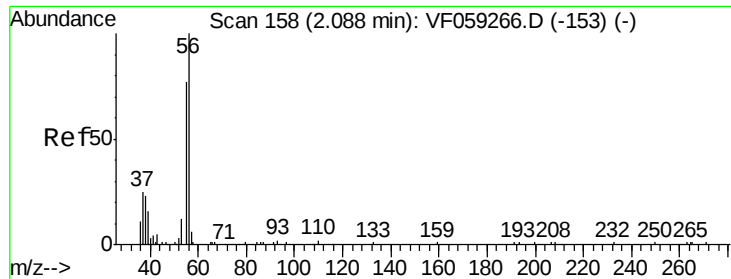
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#12
1,1-Dichloroethene
Concen: 49.74 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	251.8	201.4	302.2
98	62.5	50.0	75.0





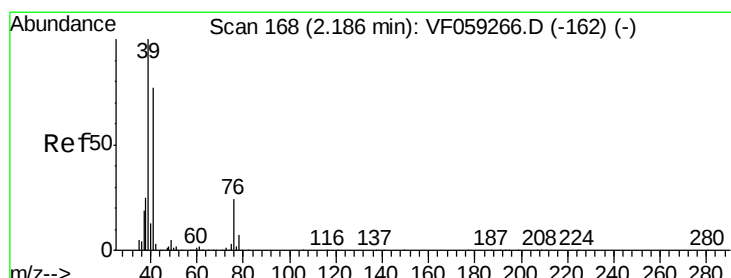
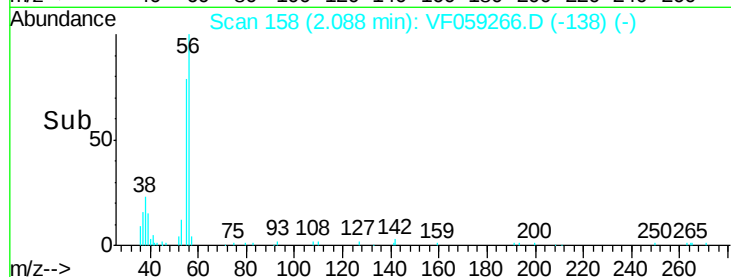
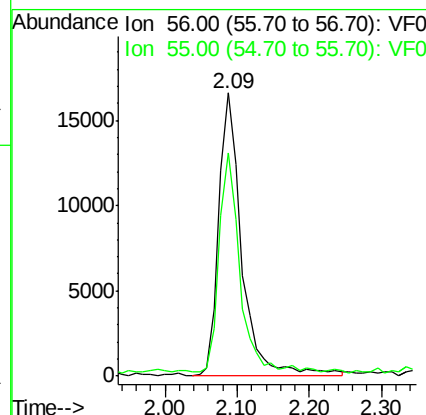
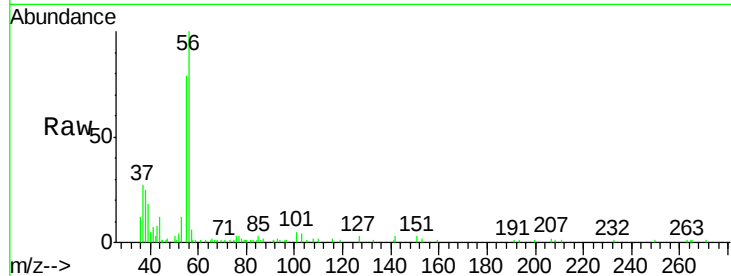
#13
Acrolein
Concen: 226.08 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	36667
Ion Ratio	100	Lower	Upper
55	78.8	63.0	94.6

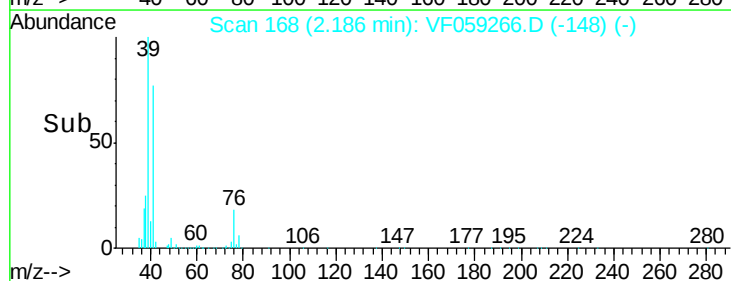
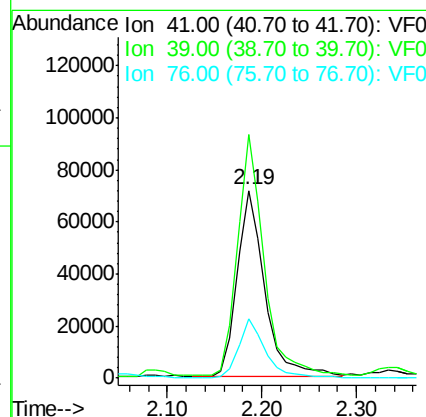
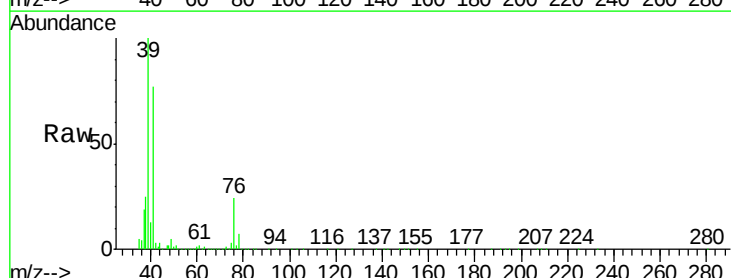
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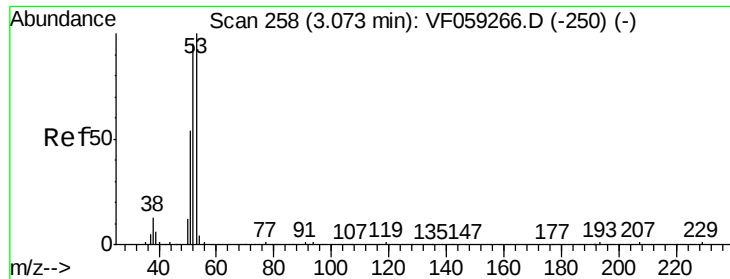
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#14
Allyl chloride
Concen: 47.26 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	41	Resp	144950
Ion Ratio	100	Lower	Upper
39	129.7	103.8	155.6
76	31.3	25.0	37.6





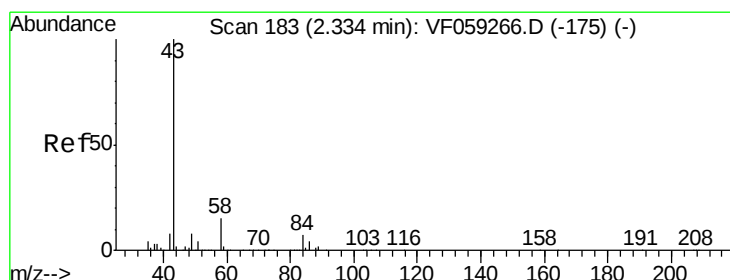
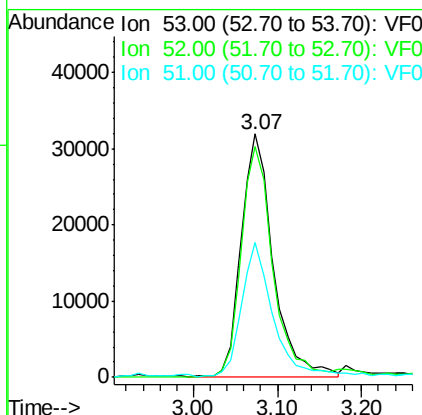
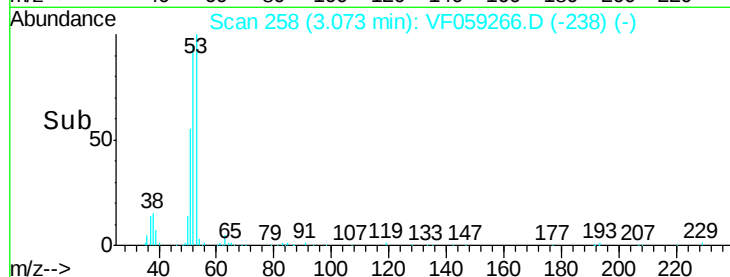
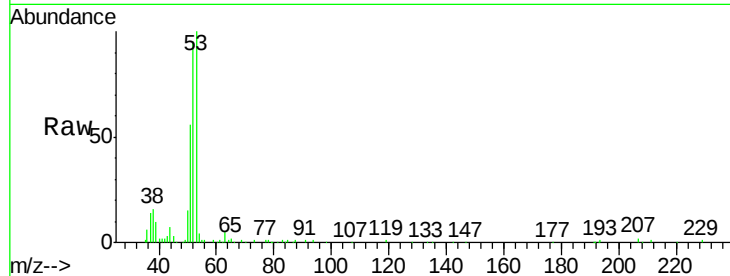
#15
 Acrylonitrile
 Concen: 235.18 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	84150
Ion Ratio	100	Lower	Upper
52	94.6	75.7	113.5
51	55.6	44.5	66.7

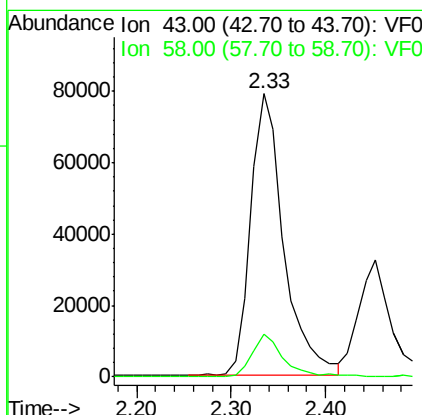
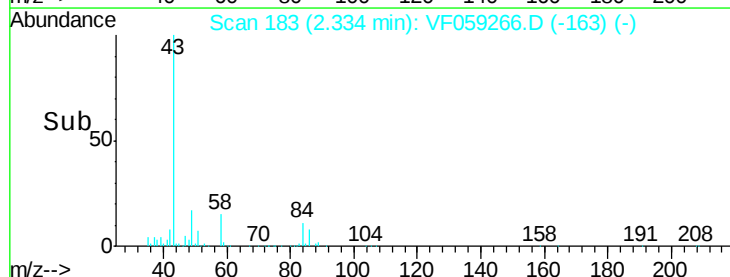
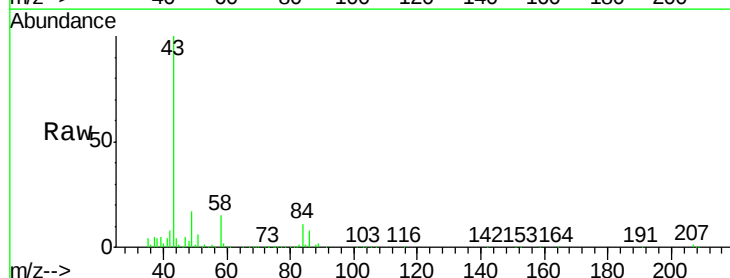
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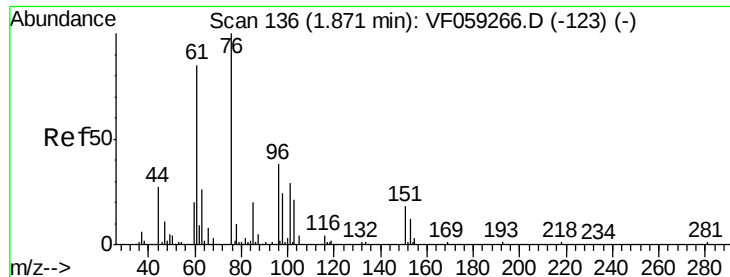
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#16
 Acetone
 Concen: 273.01 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Tgt Ion	43	Resp	192524
Ion Ratio	100	Lower	Upper
58	15.1	12.1	18.1





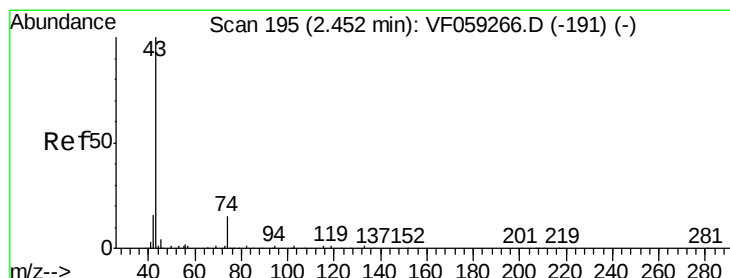
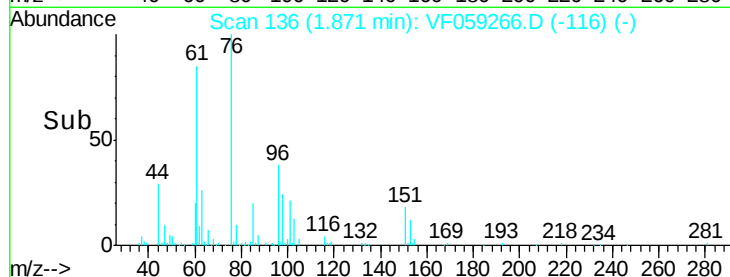
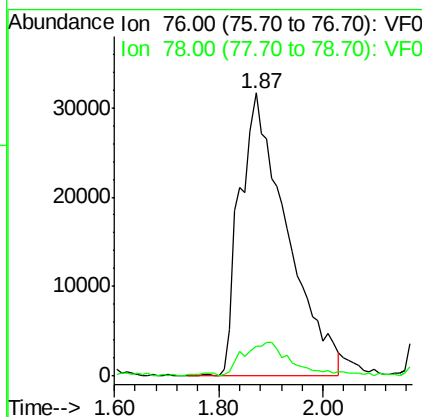
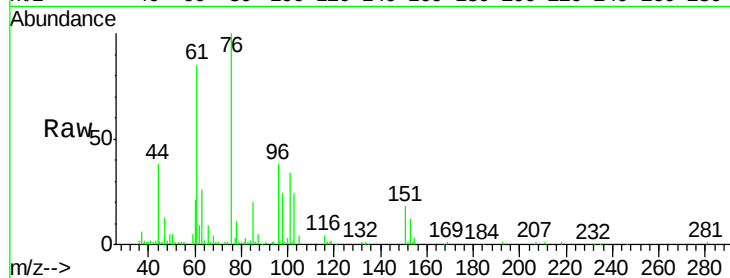
#17
Carbon Disulfide
Concen: 45.51 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.7	8.6	12.8

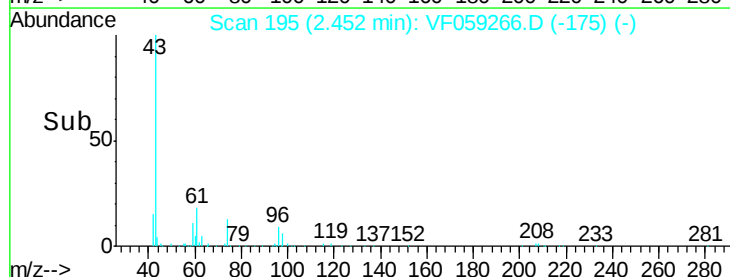
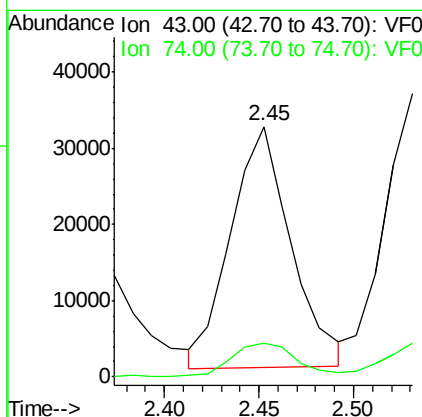
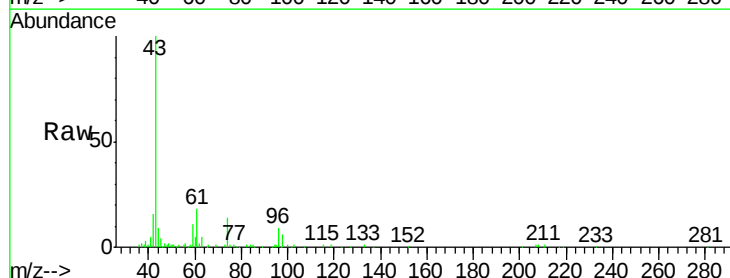
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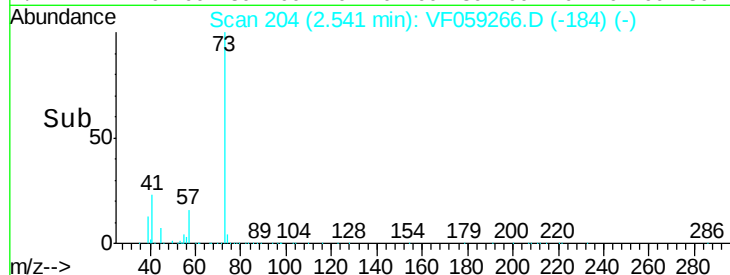
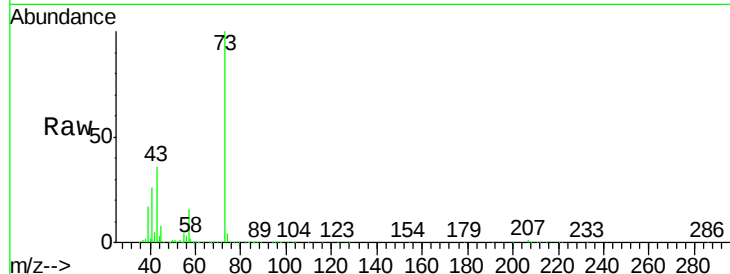
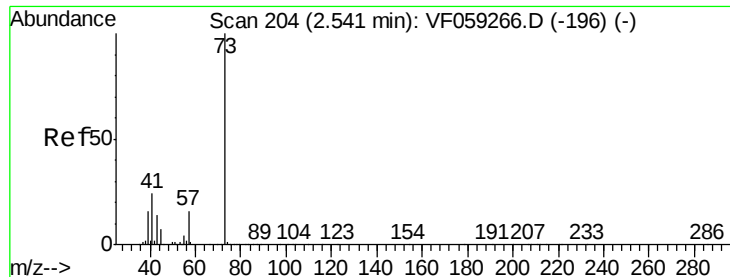
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#18
Methyl Acetate
Concen: 56.77 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.7	11.0	16.4





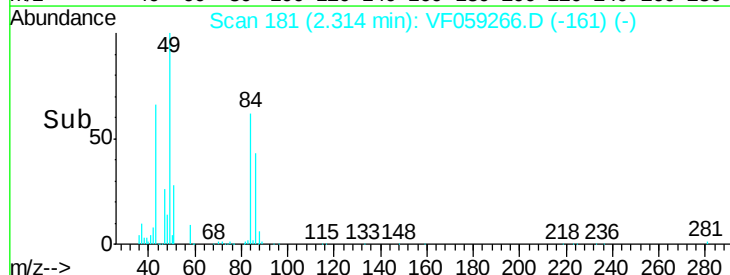
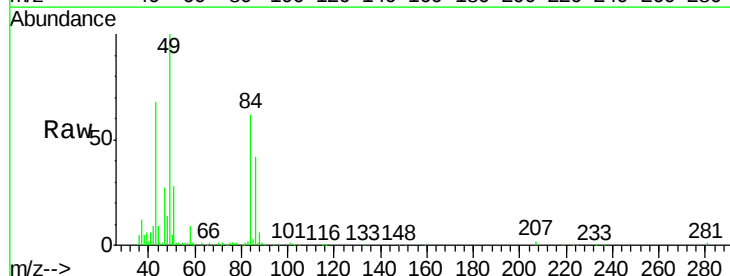
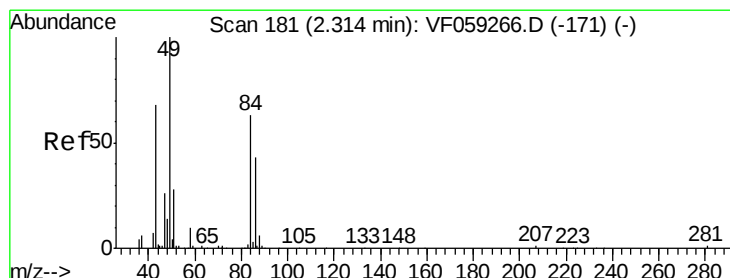
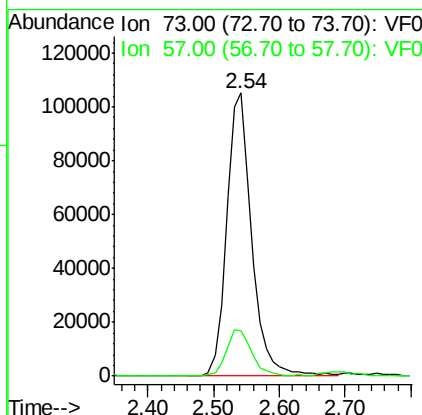
#19
Methvl tert-butvl Ether
Concen: 55.56 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tot Ion: 73 Resp: 277342
Ion Ratio Lower Upper
73 100
57 16.2 13.0 19.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

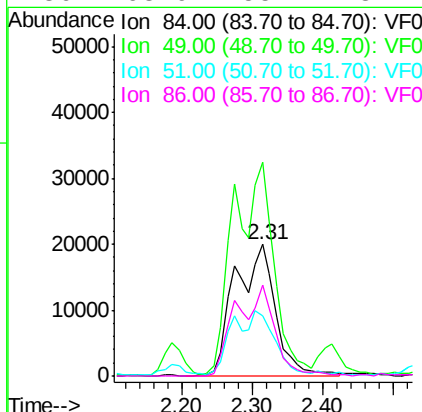
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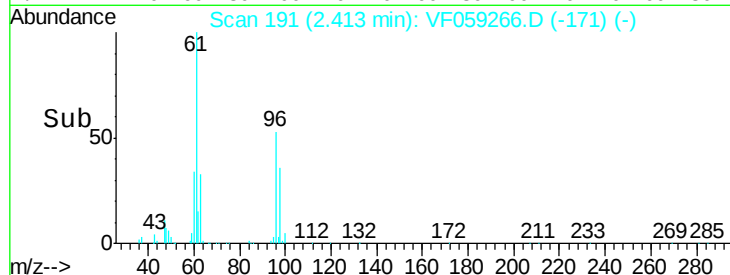
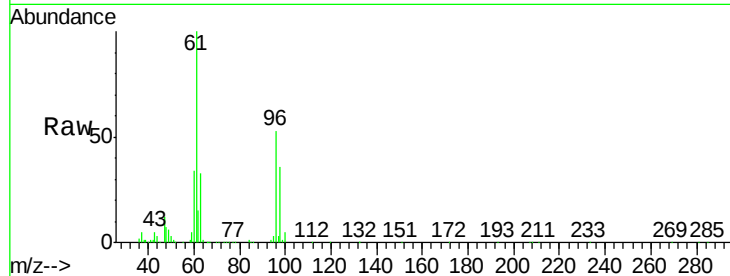
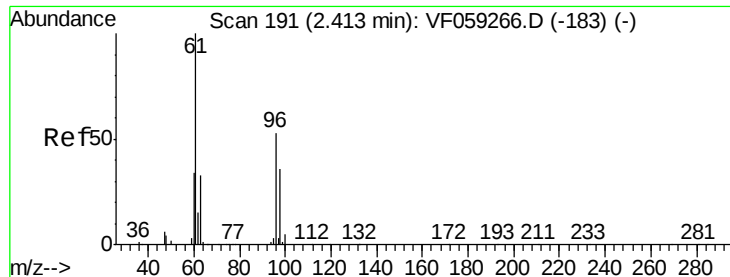
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#20
Methylene Chloride
Concen: 48.00 ug/l m
RT: 2.31 min Scan# 181
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion: 84 Resp: 79521
Ion Ratio Lower Upper
84 100
49 162.5 130.0 195.0
51 45.8 36.6 55.0
86 68.9 55.1 82.7





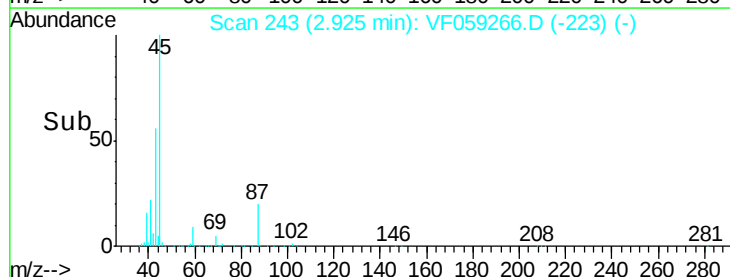
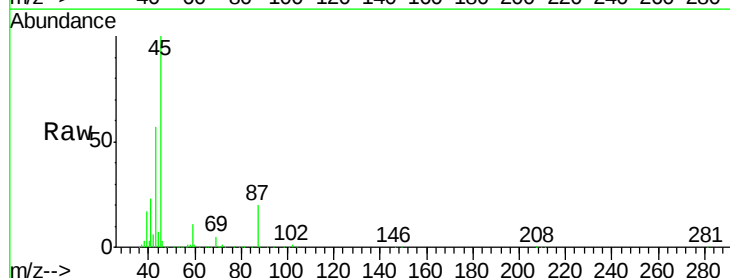
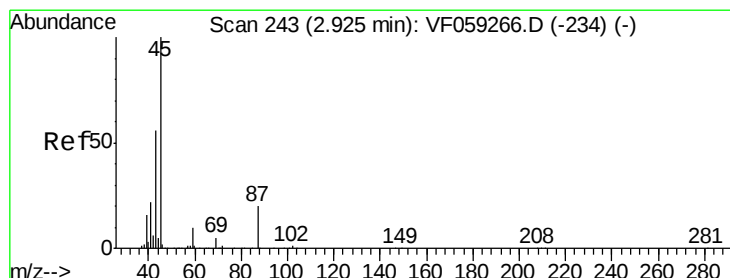
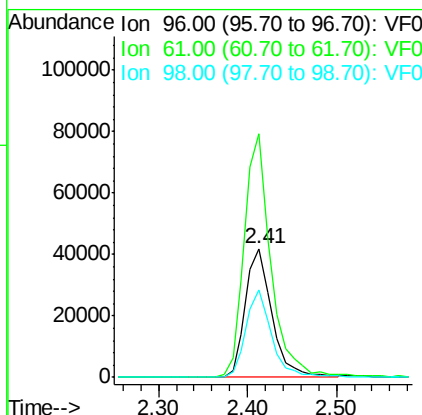
#21
trans-1,2-Dichloroethene
Concen: 50.22 ug/l
RT: 2.41 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tot Ion	Ratio	Lower	Upper
96	100		
61	189.0	151.2	226.8
98	67.7	54.2	81.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

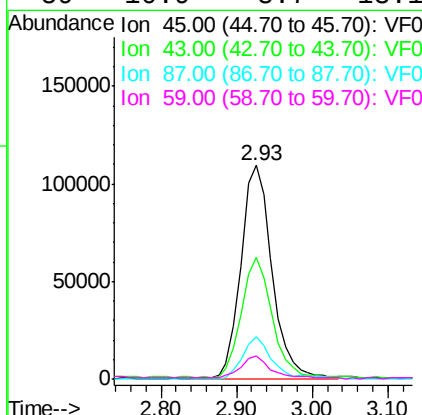
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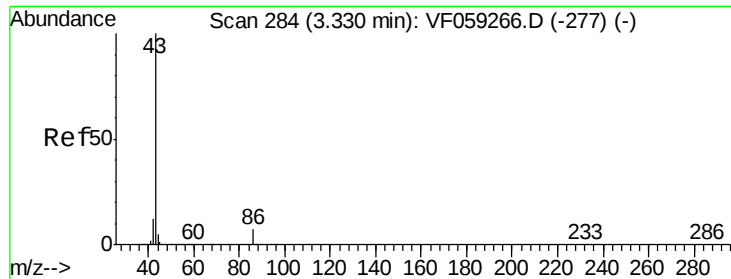
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#22
Diisopropyl ether
Concen: 50.71 ug/l
RT: 2.93 min Scan# 243
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.8	68.6
87	19.6	15.7	23.5
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 253.77 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1015830

Ion Ratio Lower Upper

43 100

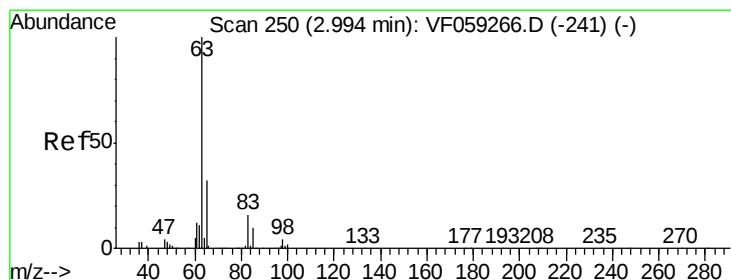
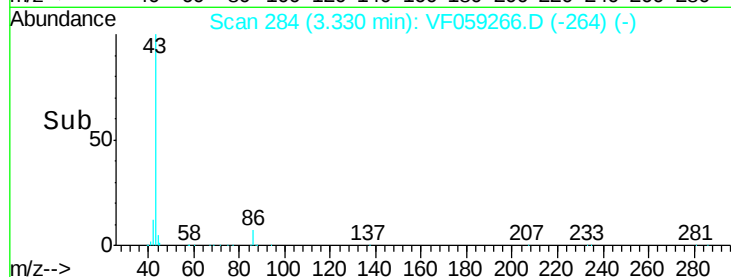
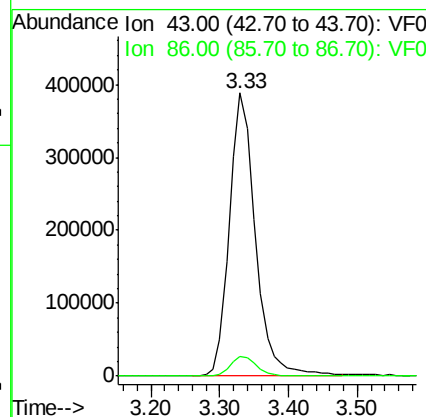
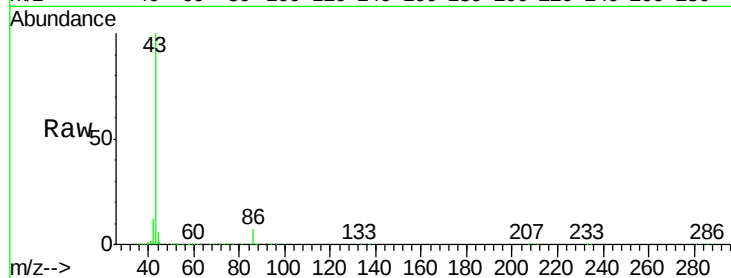
86 6.8 5.4 8.2

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#24

1,1-Dichloroethane

Concen: 52.32 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

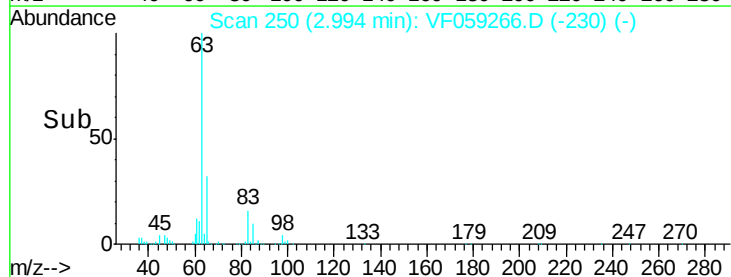
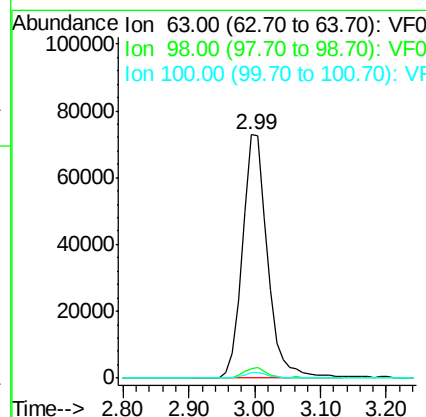
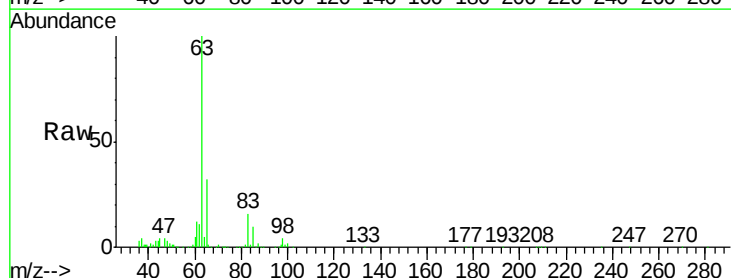
Tgt Ion: 63 Resp: 195640

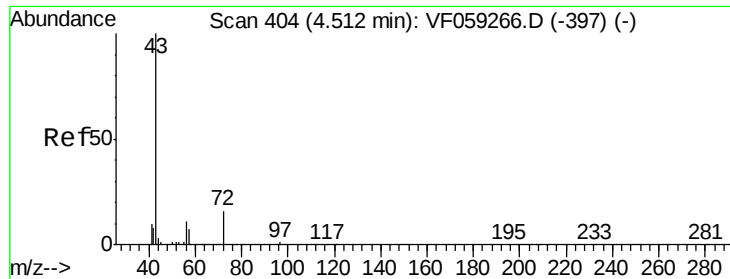
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.1 1.1 3.1





#25

2-Butanone

Concen: 238.75 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 257315

Ion Ratio Lower Upper

43 100

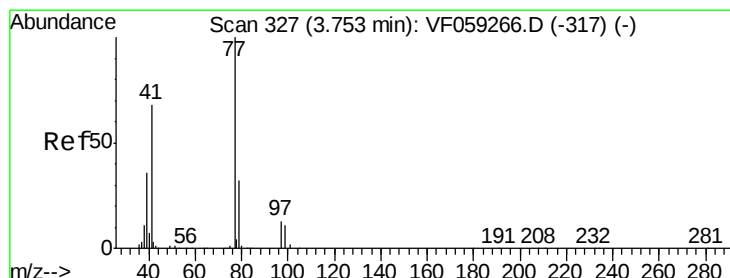
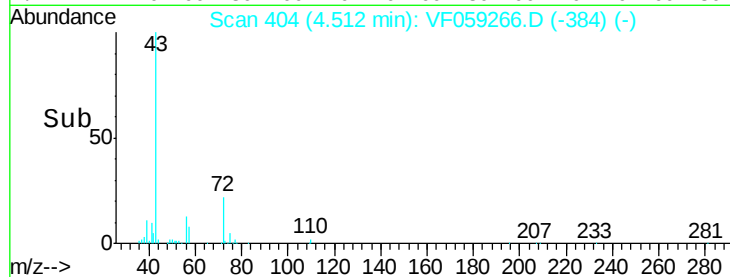
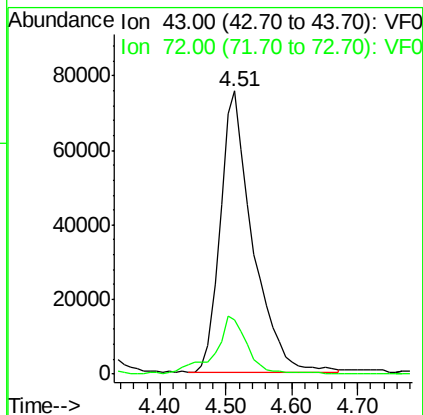
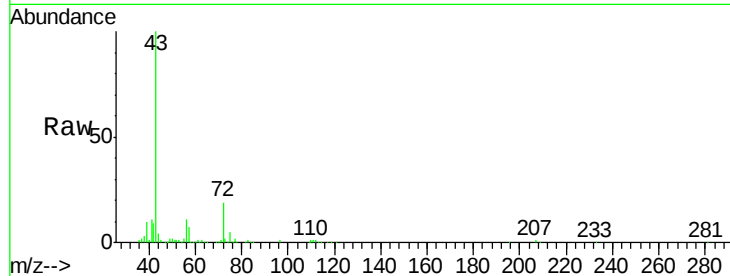
72 19.0 15.2 22.8

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#26

2,2-Dichloropropane

Concen: 52.40 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059266.D

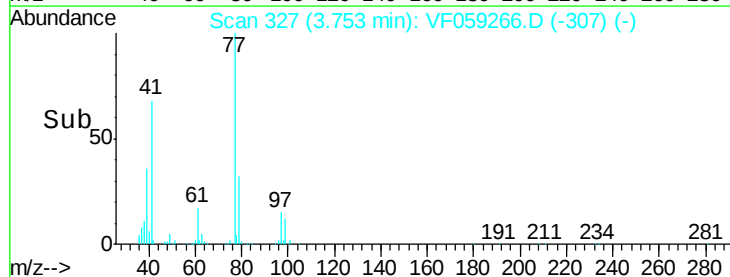
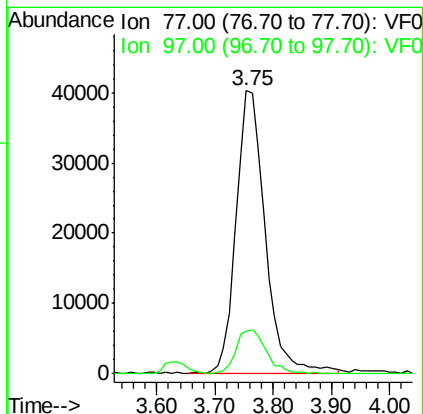
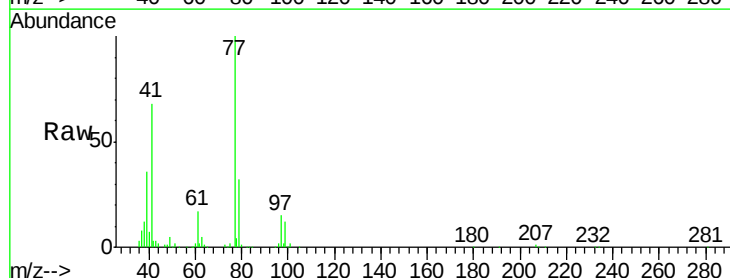
Acq: 21 Jun 2018 17:13

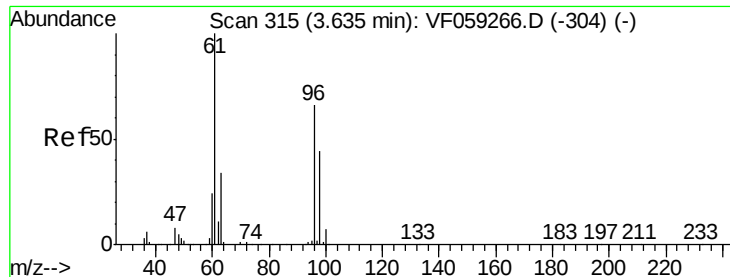
Tgt Ion: 77 Resp: 141437

Ion Ratio Lower Upper

77 100

97 15.2 7.6 22.8





#27

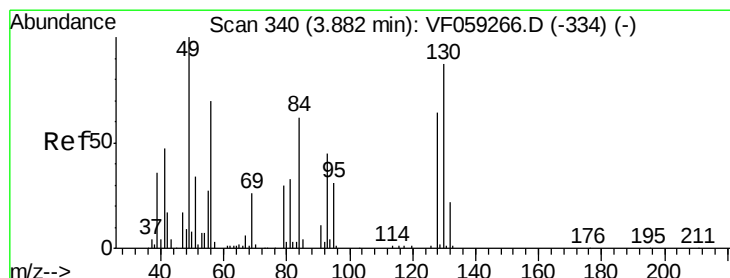
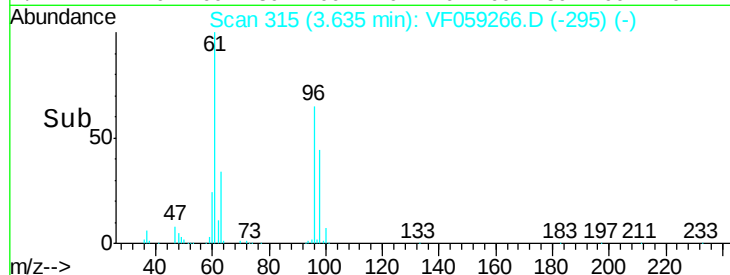
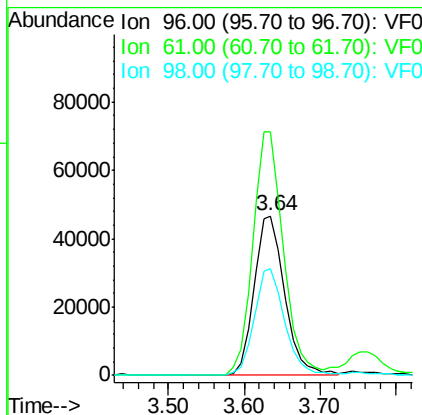
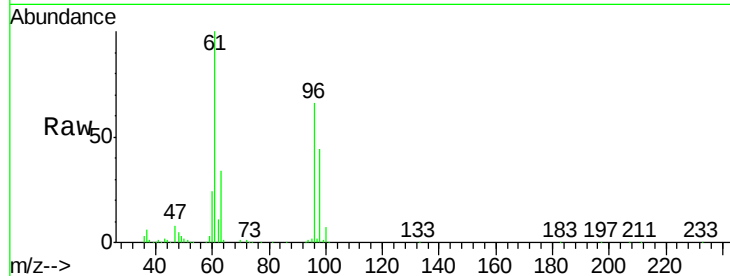
cis-1,2-Dichloroethene
Concen: 49.74 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	152.5		0.0	305.0	
98	67.0		0.0	134.0	

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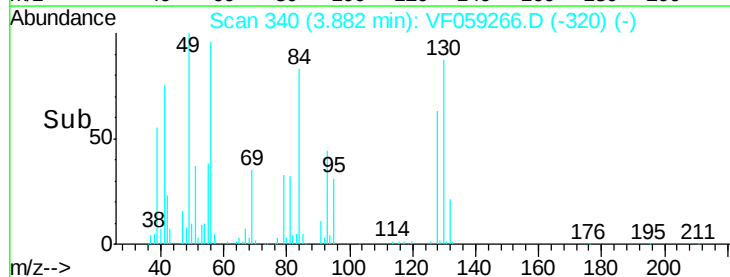
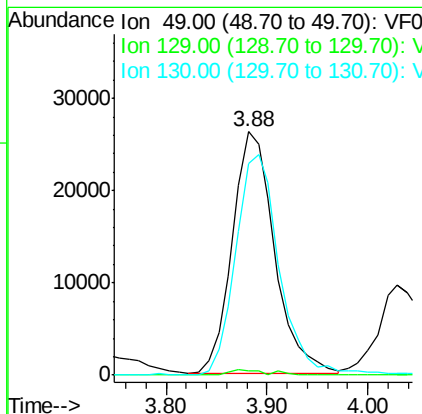
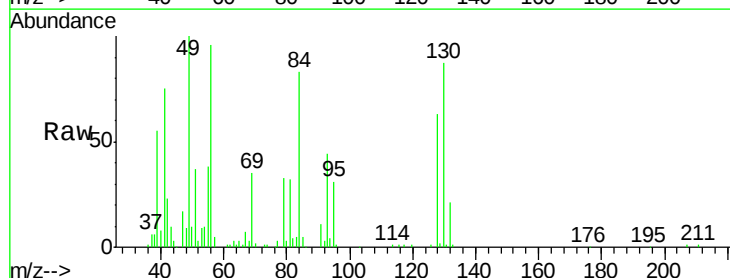
apatel
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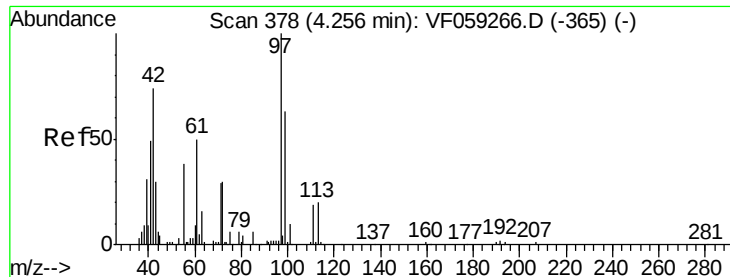


#28

Bromochloromethane
Concen: 46.14 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.9		0.0	3.8	
130	86.8		69.4	104.2	





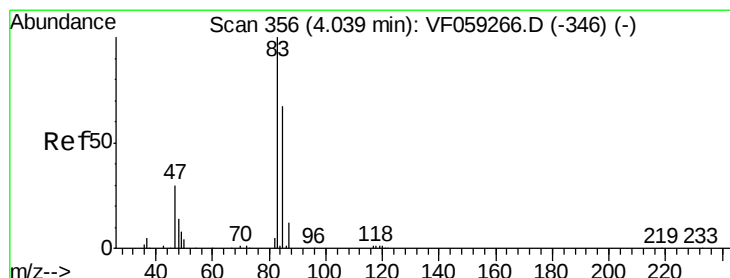
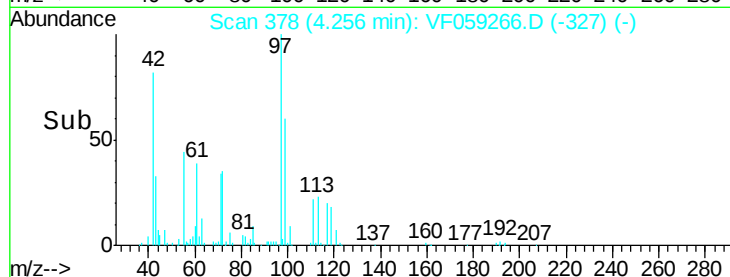
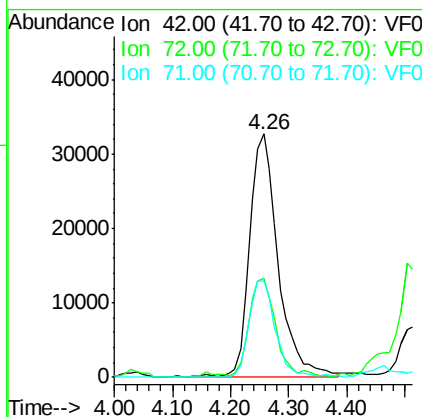
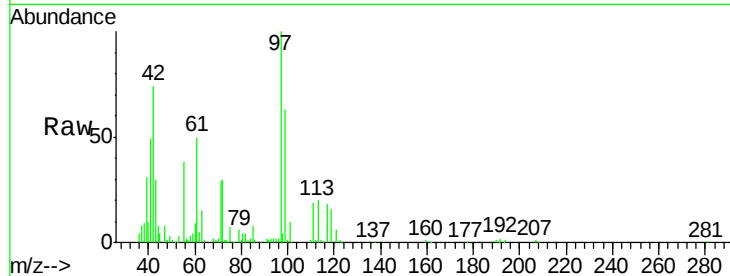
#29
Tetrahydrofuran
Concen: 236.70 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.2	46.8
71	37.7	30.2	45.2

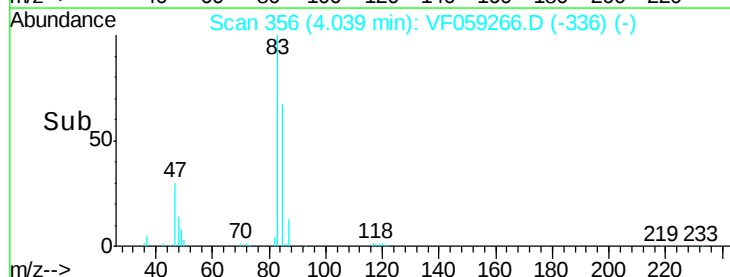
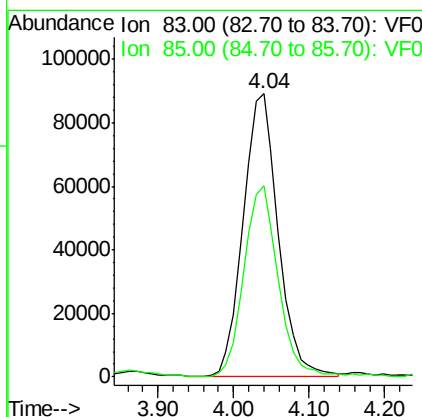
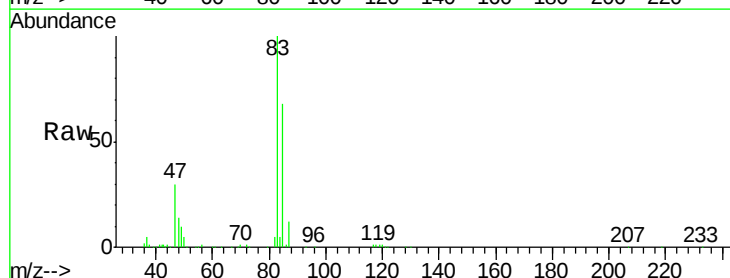
Manual Integrations
APPROVED

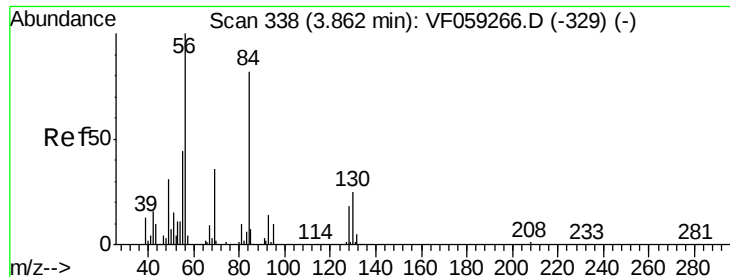
apatel
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#30
Chloroform
Concen: 53.88 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	54.2	81.2





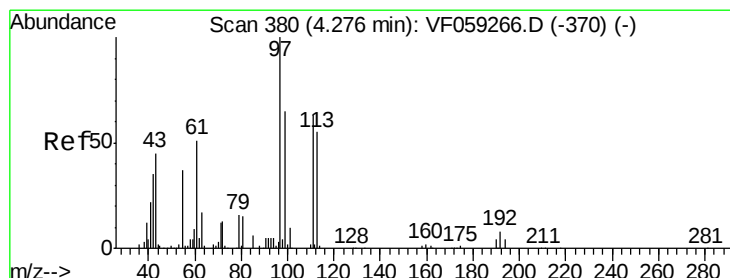
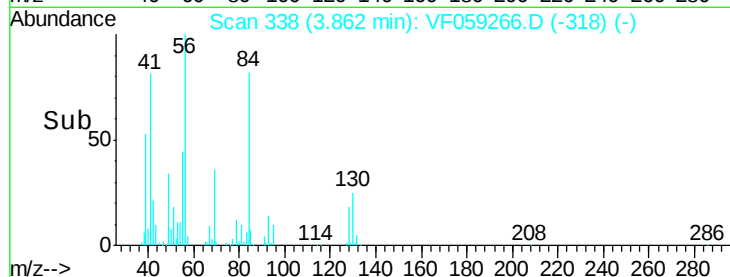
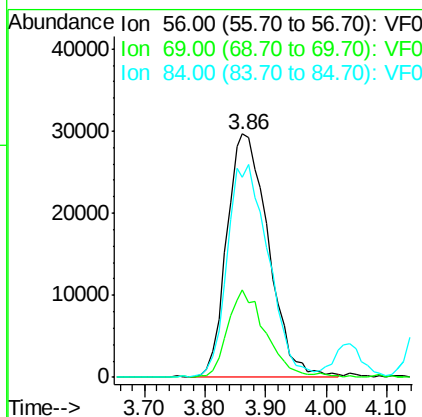
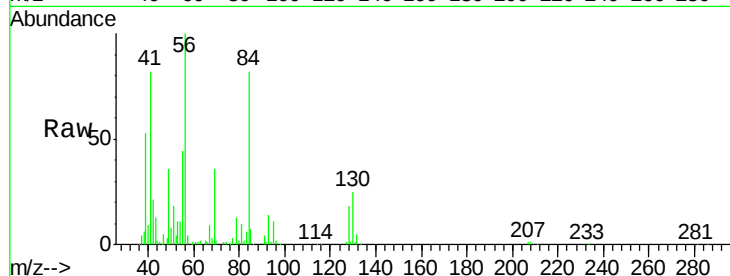
#31
Cyclohexane
Concen: 44.86 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	28.6	43.0
84	82.2	65.8	98.6

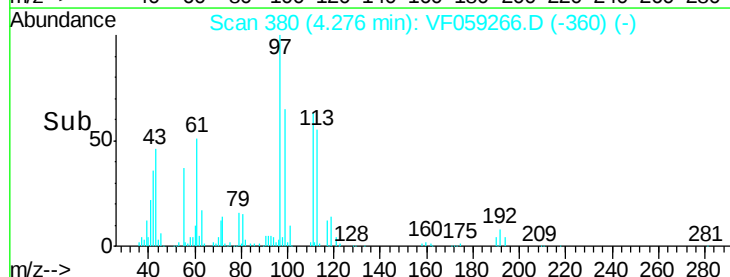
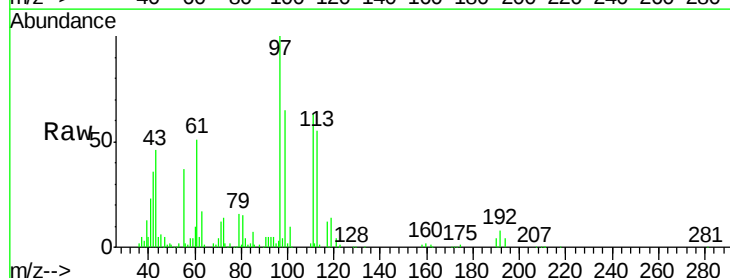
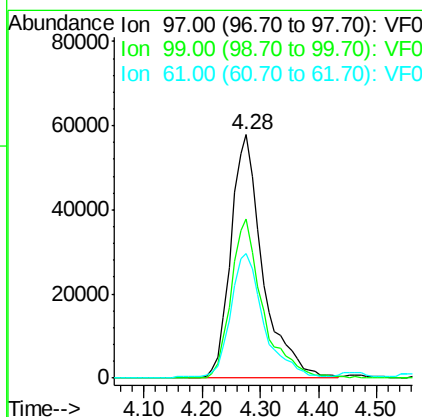
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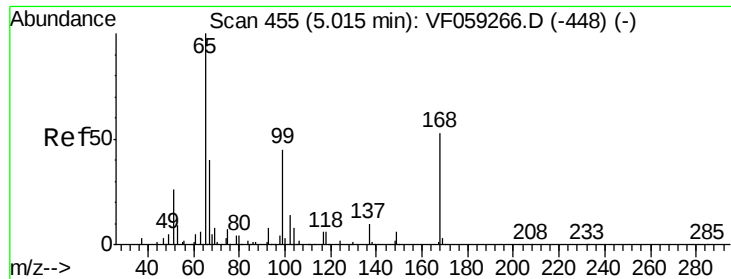
apatel
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#32
1,1,1-Trichloroethane
Concen: 55.13 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	51.1	40.9	61.3





#33

1,2-Dichloroethane-d4

Concen: 55.45 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059266.D

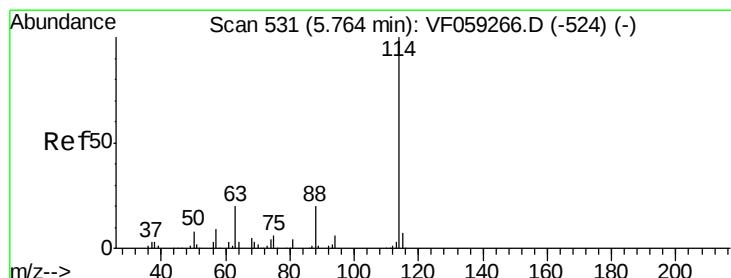
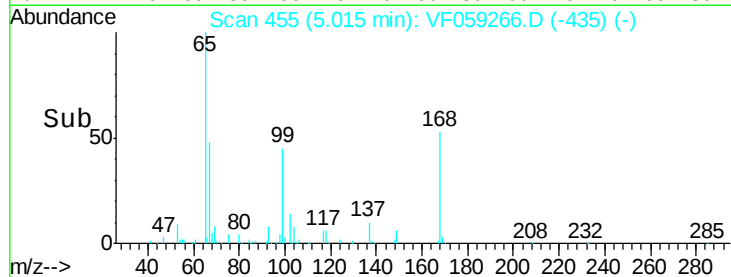
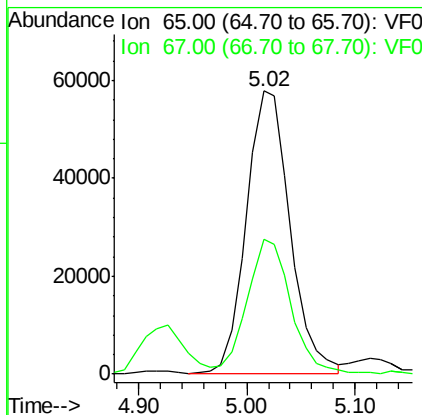
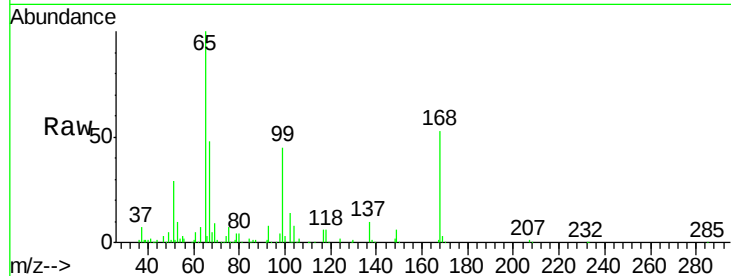
Acq: 21 Jun 2018 17:13

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163961		
67	47.9	0.0	95.8	

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

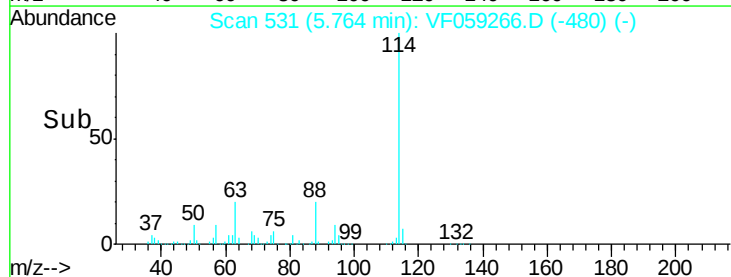
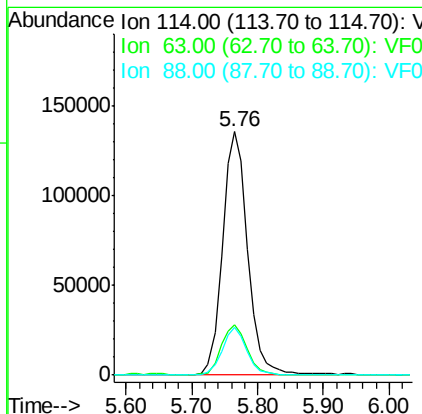
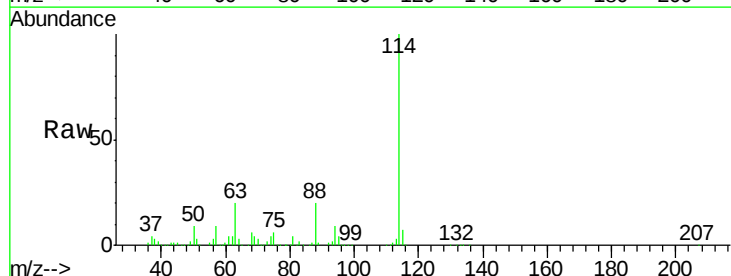
RT: 5.76 min Scan# 531

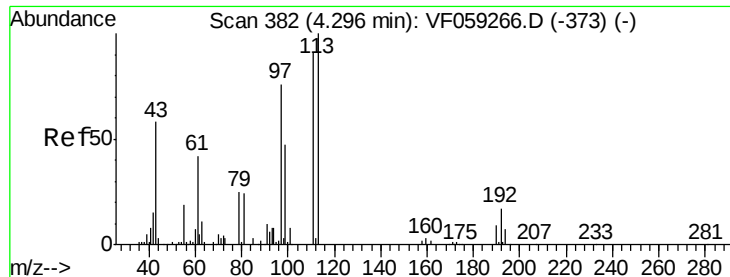
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	360566		
63	20.5	0.0	41.0	
88	19.8	0.0	39.6	





#35

Dibromofluoromethane

Concen: 56.74 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

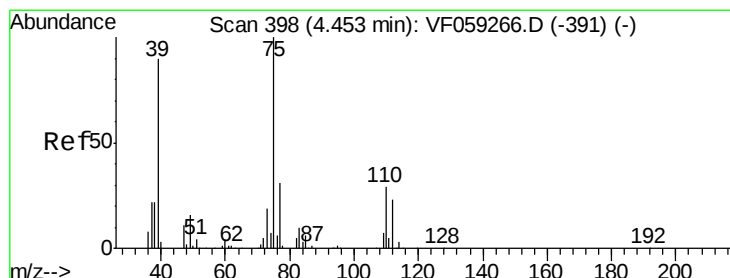
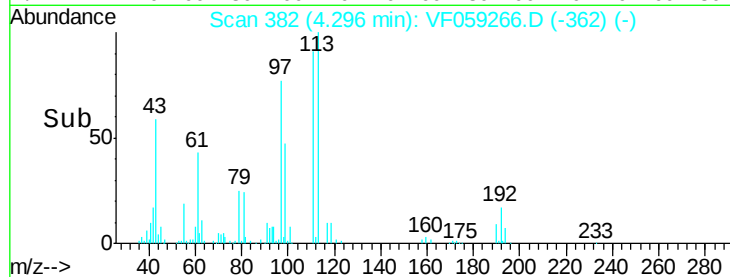
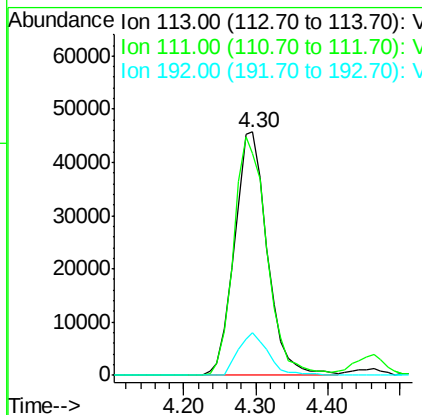
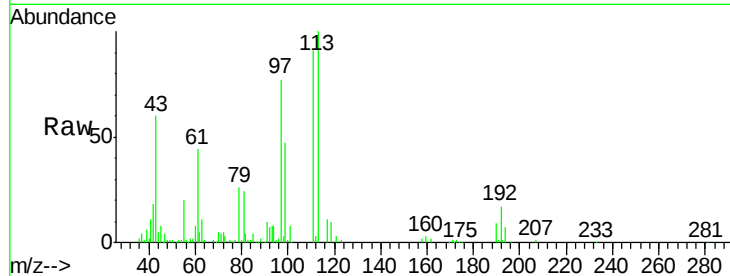
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	144904
Ion Ratio	Lower	Upper	
113	100		
111	91.4	73.1	109.7
192	17.4	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 54.04 ug/l

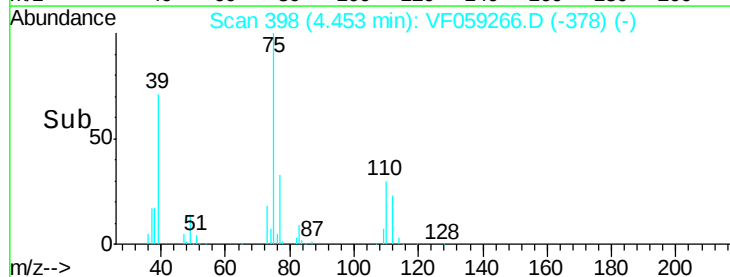
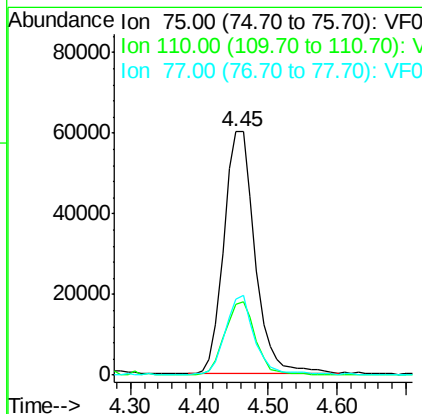
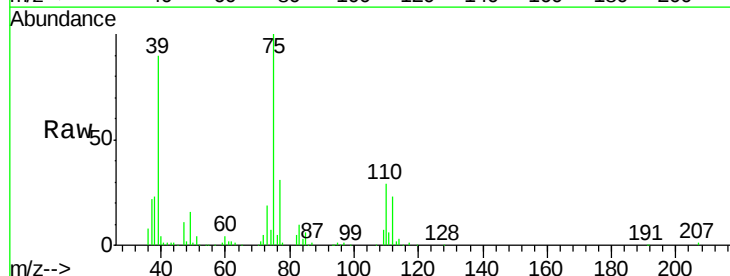
RT: 4.45 min Scan# 398

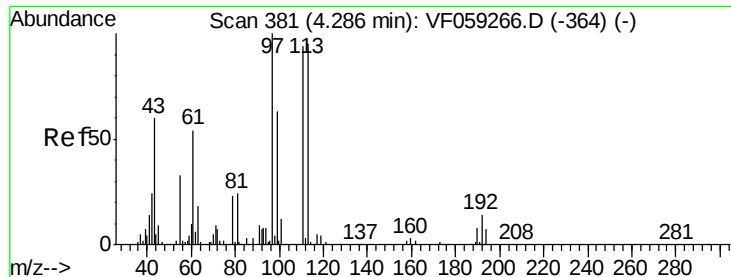
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	75	Resp:	189506
Ion Ratio	Lower	Upper	
75	100		
110	29.0	14.5	43.5
77	31.3	25.0	37.6





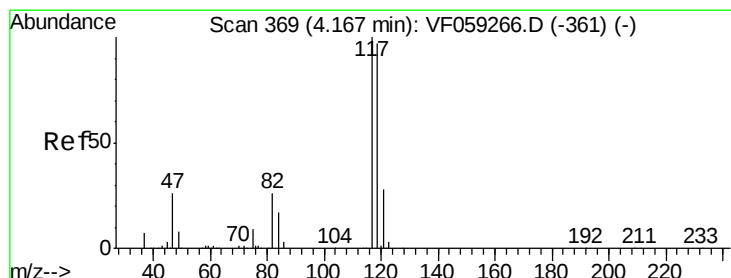
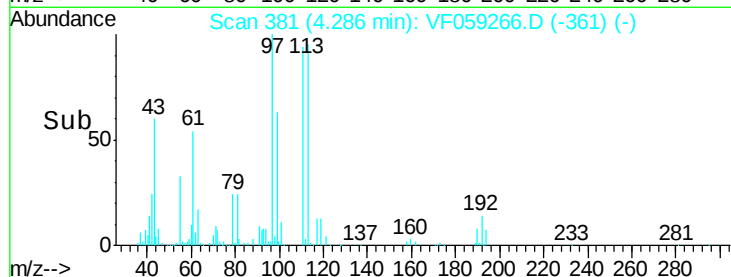
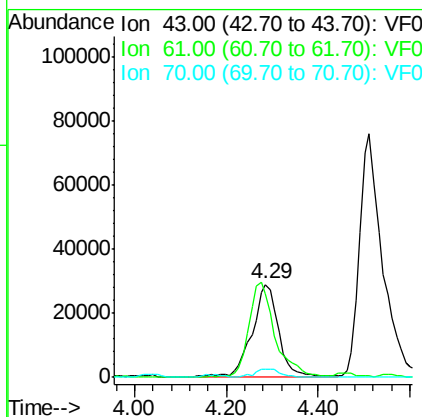
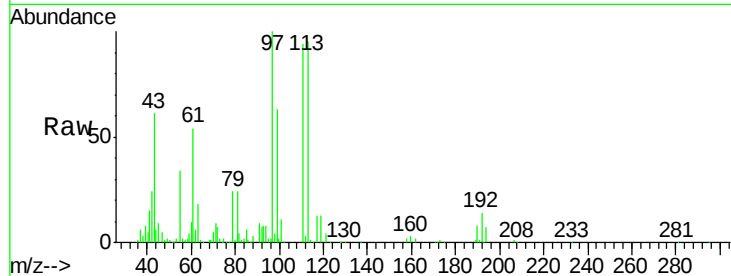
#37
Ethyl Acetate
Concen: 52.05 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
113945	100	89.5	8.6		71.6	107.4
					6.9	10.3

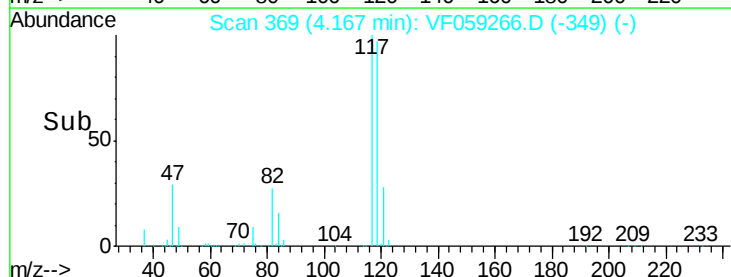
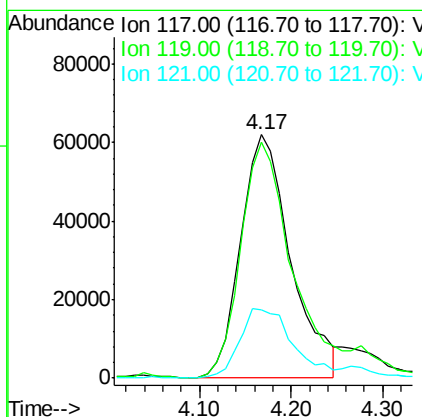
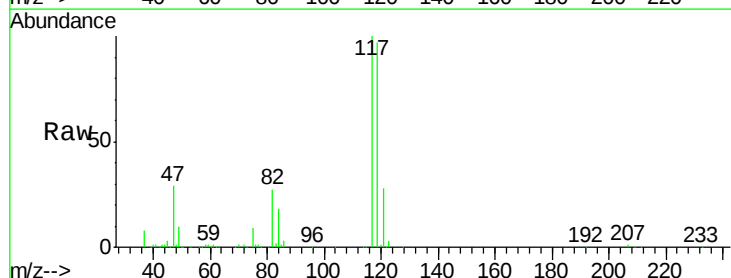
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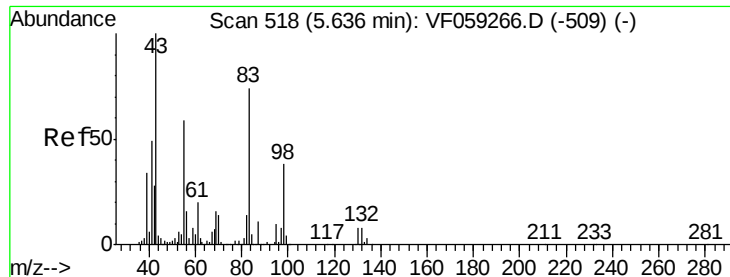
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#38
Carbon Tetrachloride
Concen: 61.16 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	117	119	121	Ratio	Lower	Upper
237907	100	96.9	27.8		77.5	116.3
					22.2	33.4





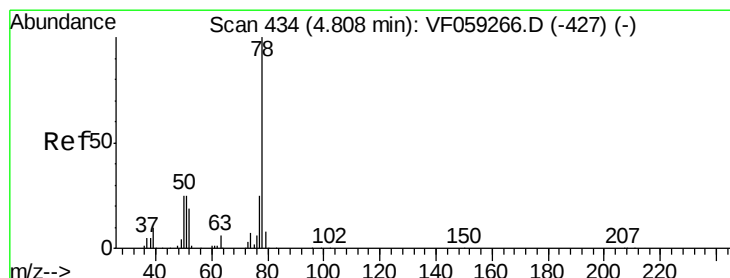
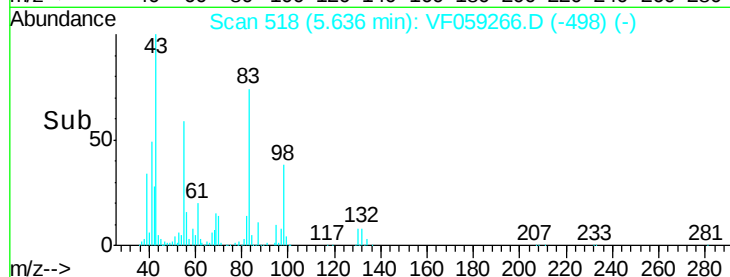
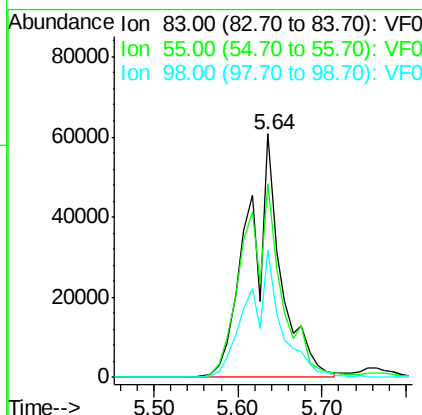
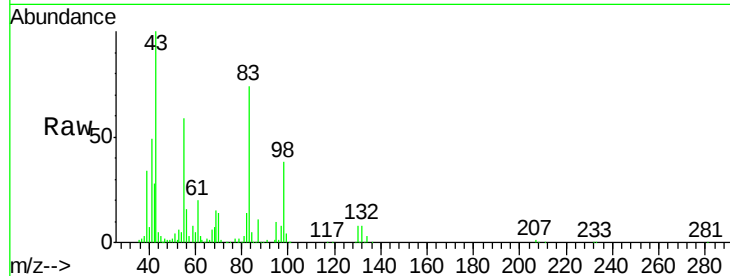
#39
Methvlcvclohexane
Concen: 47.81 ug/l m
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	166005
Ion Ratio	Lower	Upper	
83	100		
55	79.6	63.7	95.5
98	52.0	41.6	62.4

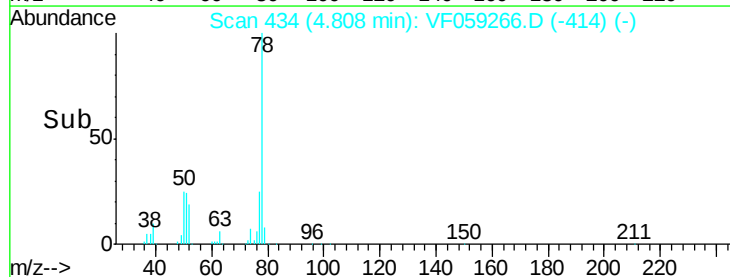
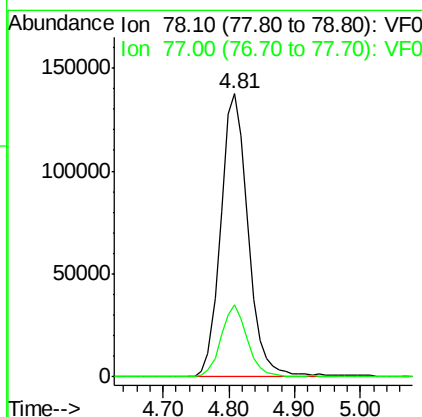
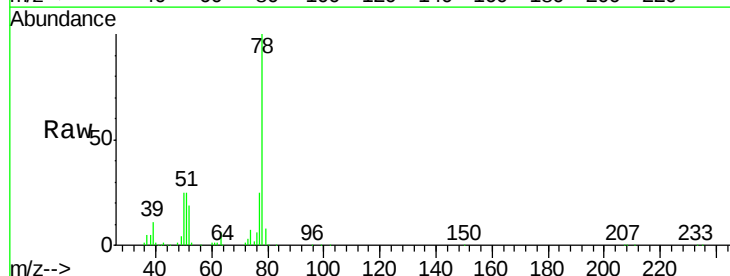
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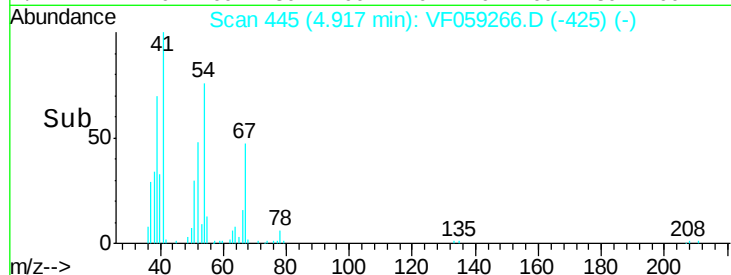
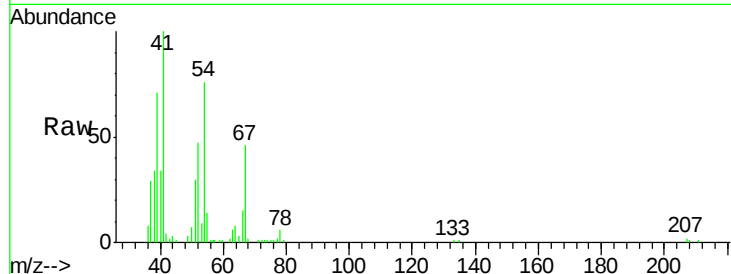
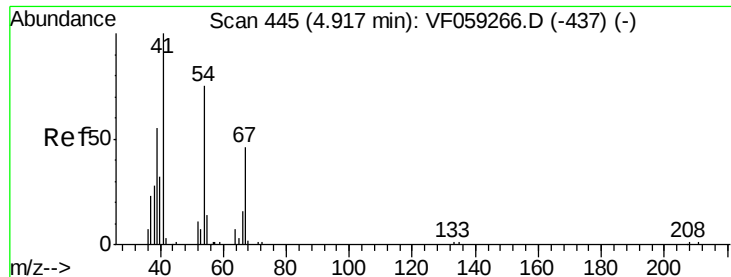
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#40
Benzene
Concen: 49.71 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	78	Resp	400586
Ion Ratio	Lower	Upper	
78	100		
77	25.5	20.4	30.6





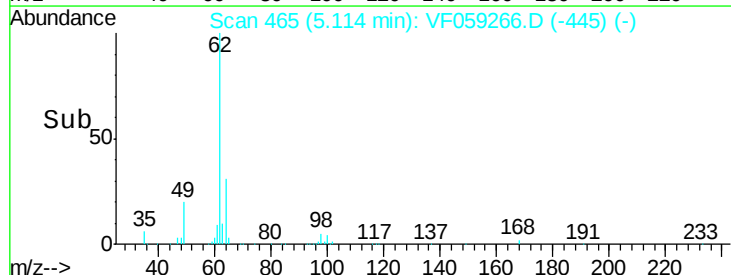
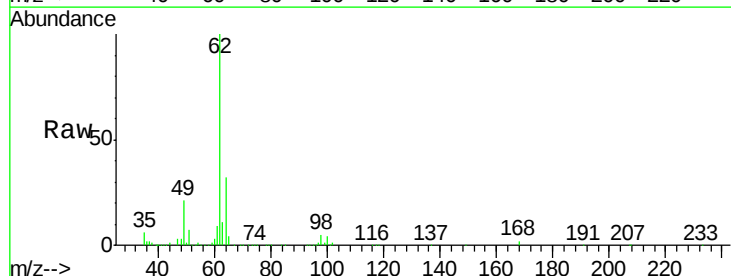
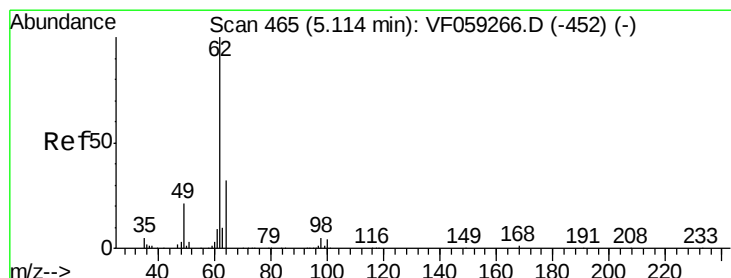
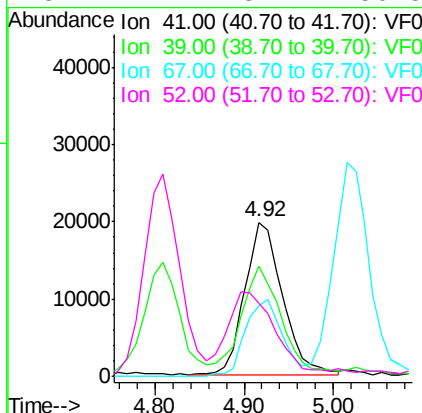
#41
Methacrylonitrile
Concen: 53.79 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.3	57.0	85.6	
67	46.0	36.8	55.2	
52	47.1	37.7	56.5	

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

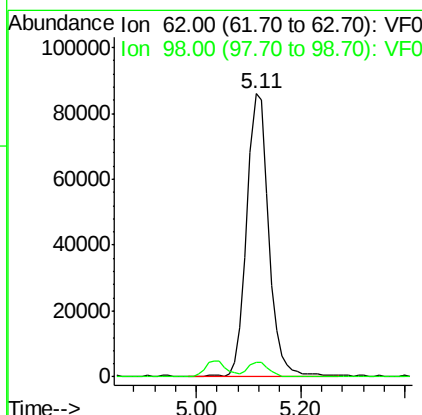
Manual Integrations
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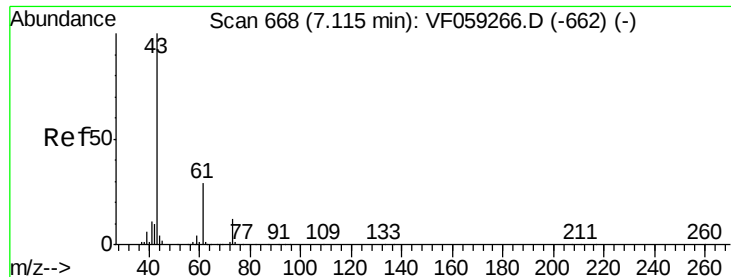
apatel
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#42
1,2-Dichloroethane
Concen: 64.23 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.2	0.0	10.4	





#43

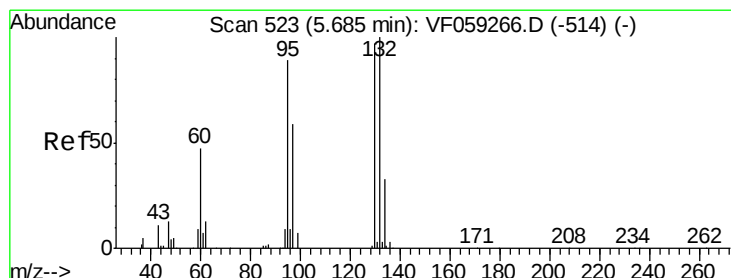
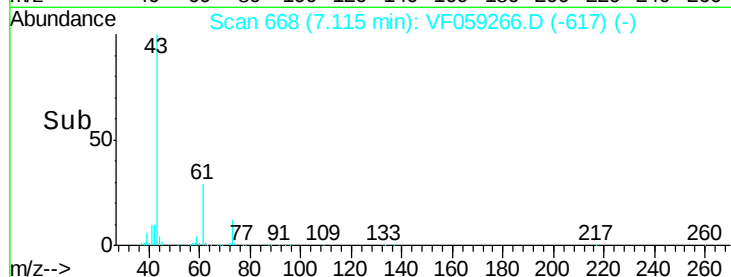
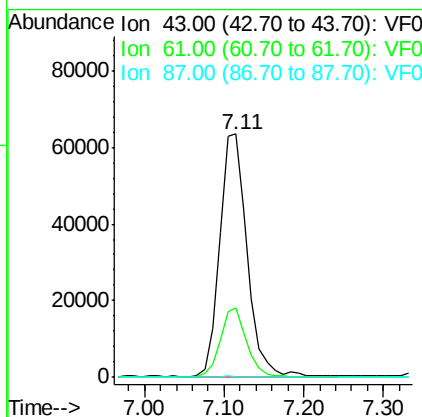
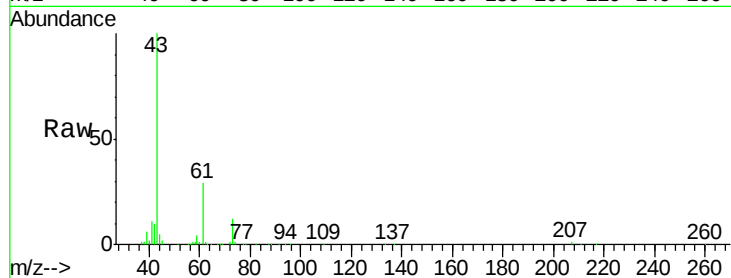
Isopropyl Acetate
 Concen: 52.43 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	43	Resp	154193
Ion Ratio	100	Lower	Upper
43	100		
61	28.5	22.8	34.2
87	0.4	0.3	0.5

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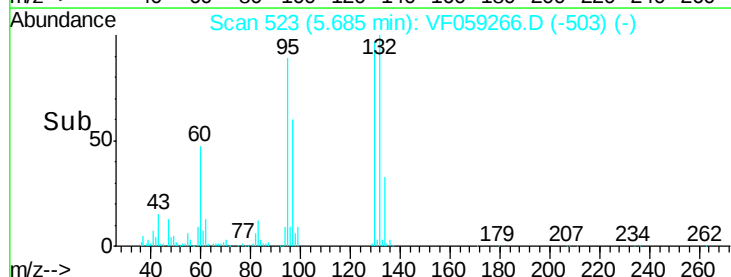
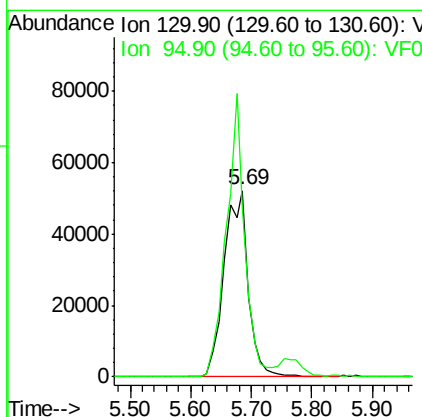
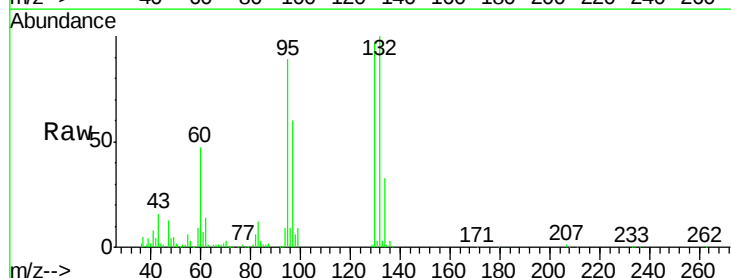
apatel
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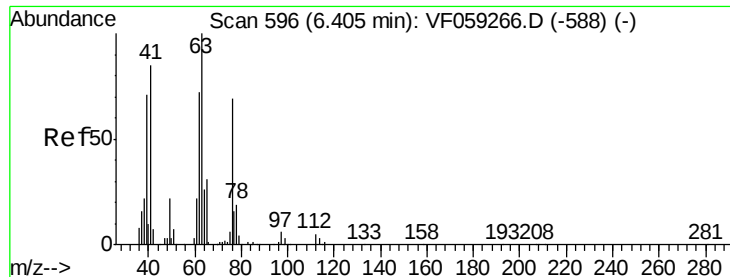


#44

Trichloroethene
 Concen: 55.77 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Tgt Ion	130	Resp	144213
Ion Ratio	100	Lower	Upper
130	100		
95	91.8	0.0	183.6





#45

1,2-Dichloropropane

Concen: 50.96 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 118853

Ion Ratio Lower Upper

63 100

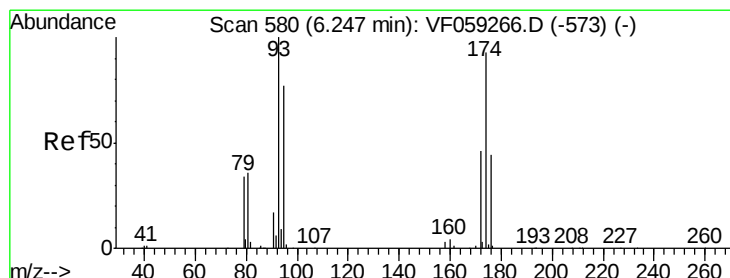
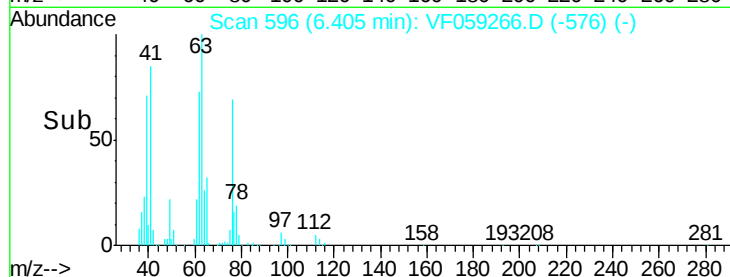
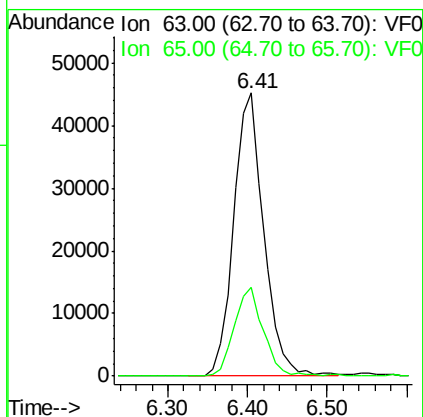
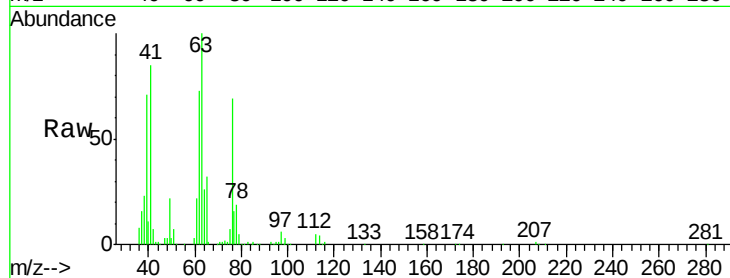
65 31.6 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 56.21 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

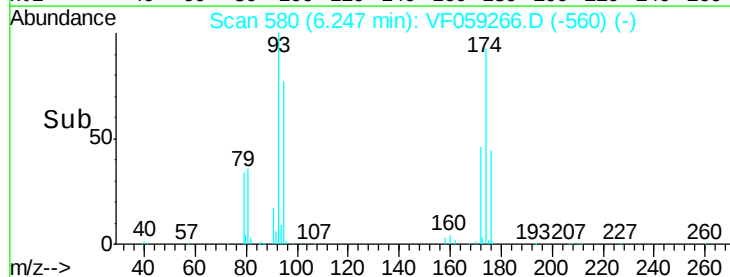
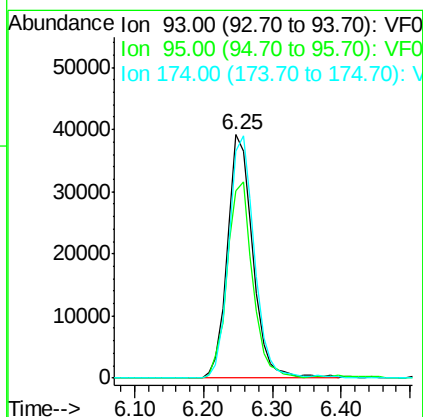
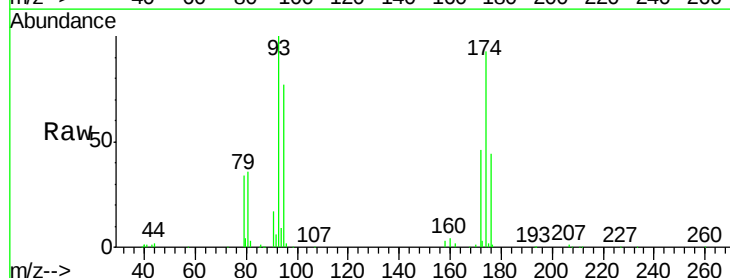
Tgt Ion: 93 Resp: 99952

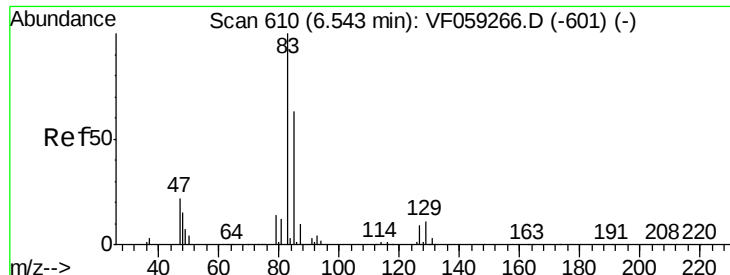
Ion Ratio Lower Upper

93 100

95 77.2 61.8 92.6

174 93.0 74.4 111.6





#47

Bromodichloromethane

Concen: 59.40 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

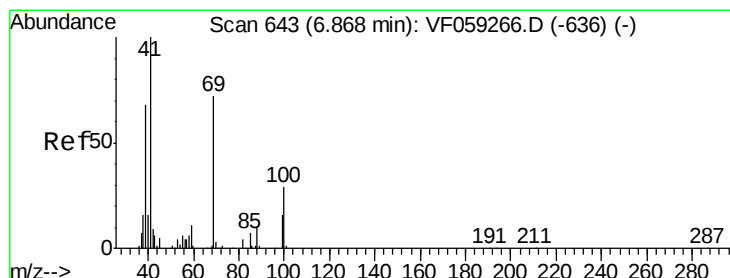
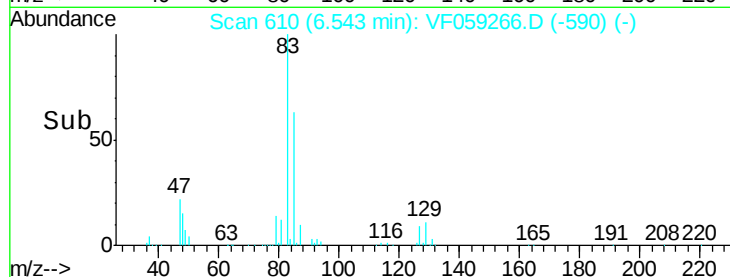
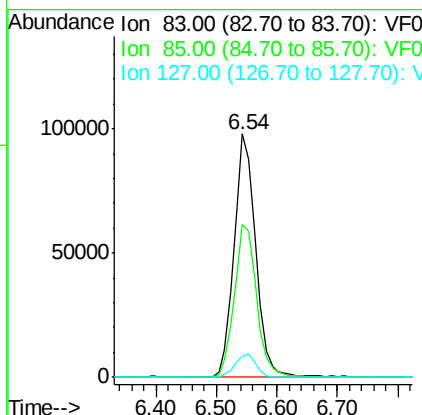
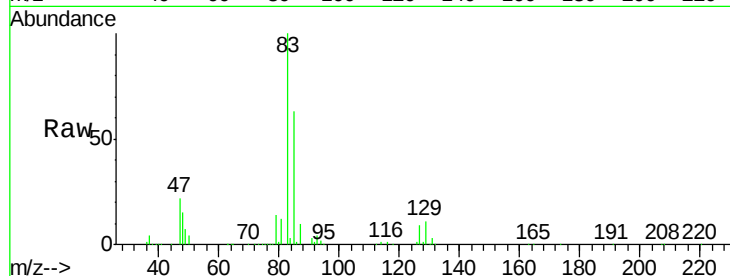
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	243825
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.3	75.5
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.70 ug/l

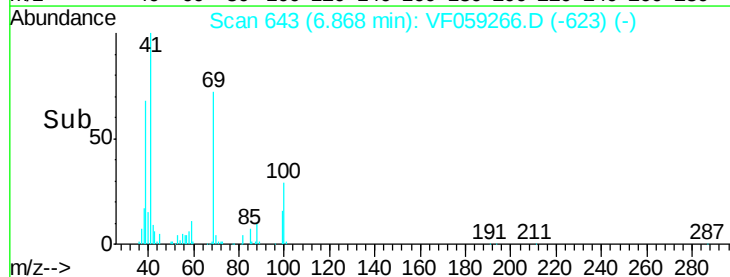
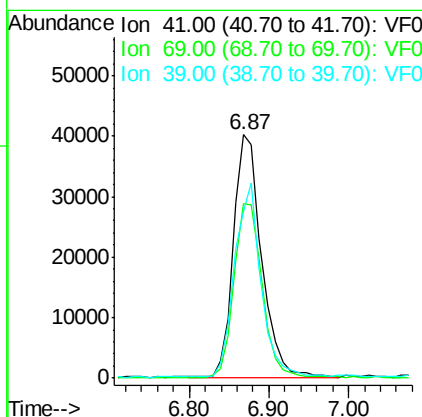
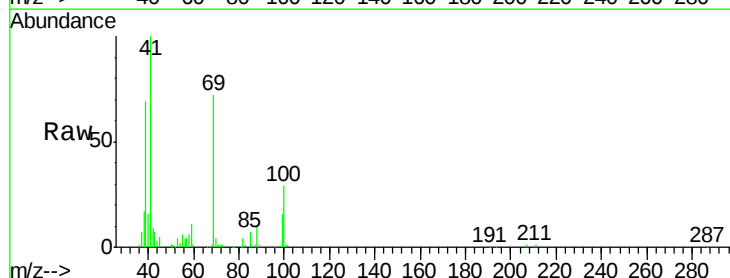
RT: 6.87 min Scan# 643

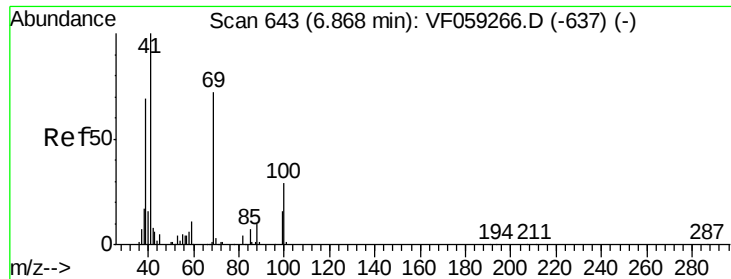
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	41	Resp:	98521
Ion Ratio	Lower	Upper	
41	100		
69	71.8	57.4	86.2
39	68.5	54.8	82.2





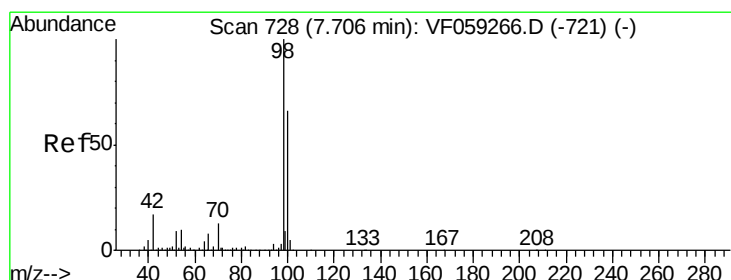
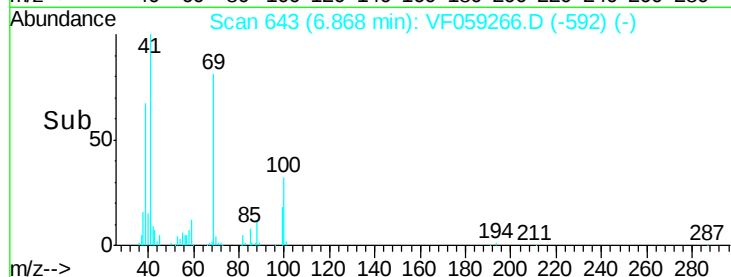
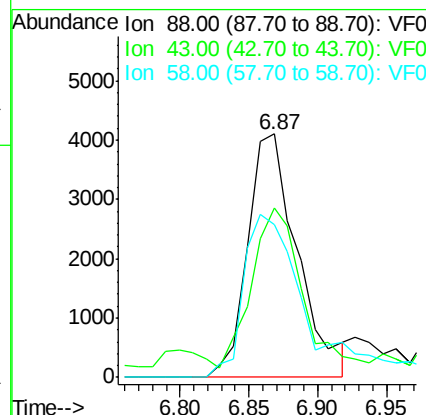
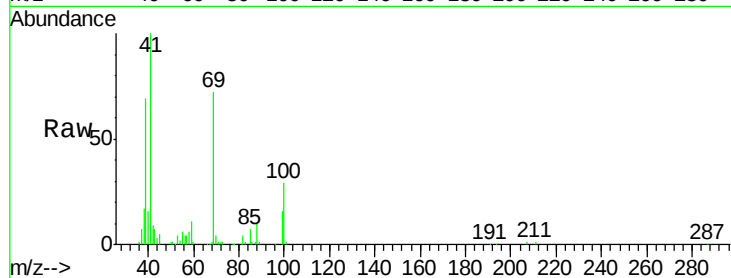
#49
1,4-Dioxane
Concen: 867.18 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.4	55.5	83.3
58	62.6	50.1	75.1

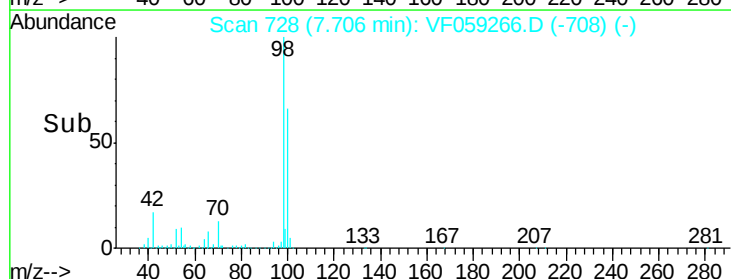
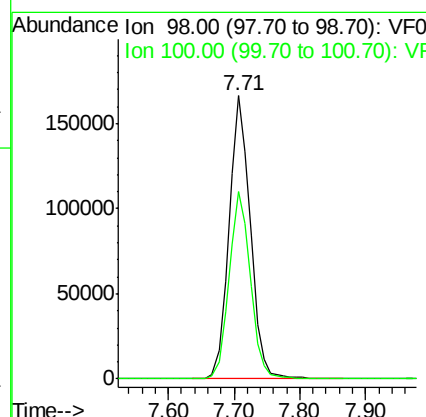
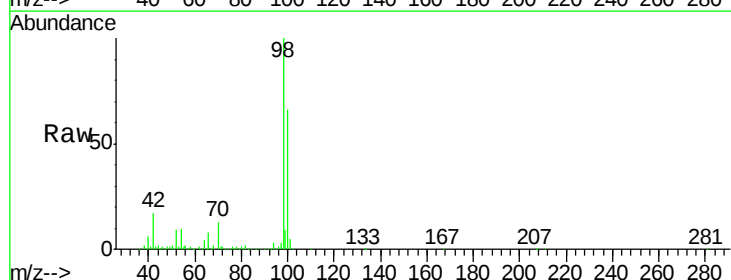
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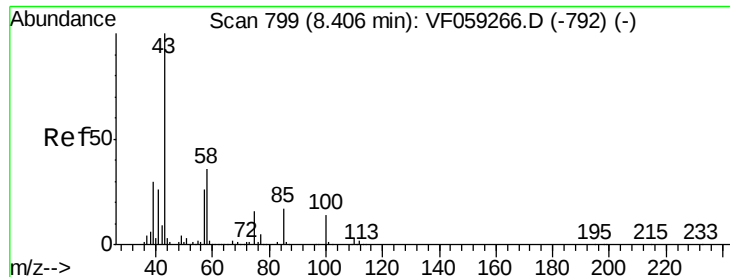
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#50
Toluene-d8
Concen: 51.65 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 266.04 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 537190

Ion Ratio Lower Upper

43 100

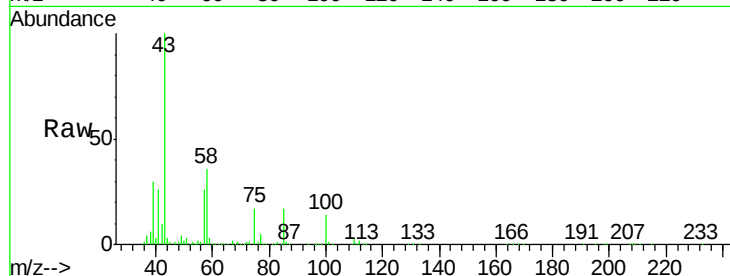
58 36.3 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

250000

200000

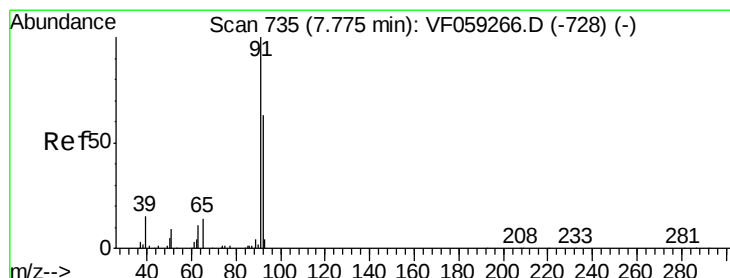
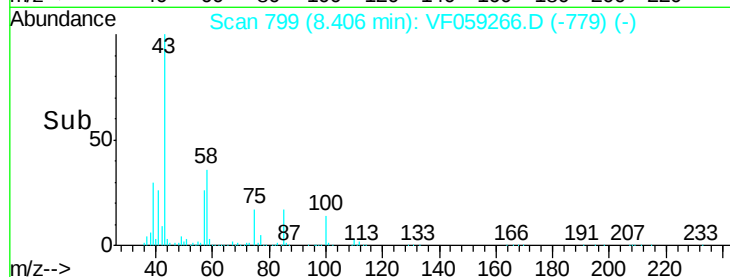
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.82 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059266.D

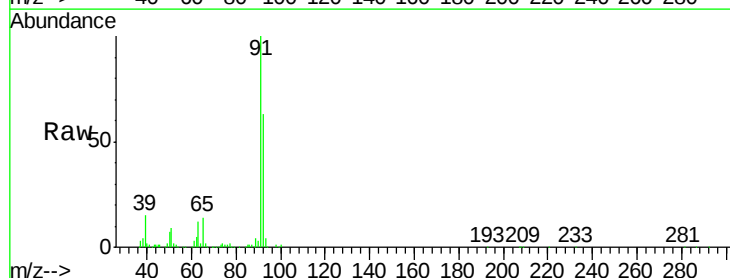
Acq: 21 Jun 2018 17:13

Tgt Ion: 92 Resp: 303487

Ion Ratio Lower Upper

92 100

91 159.7 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

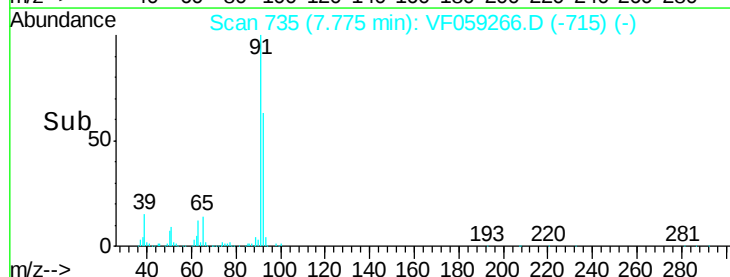
150000

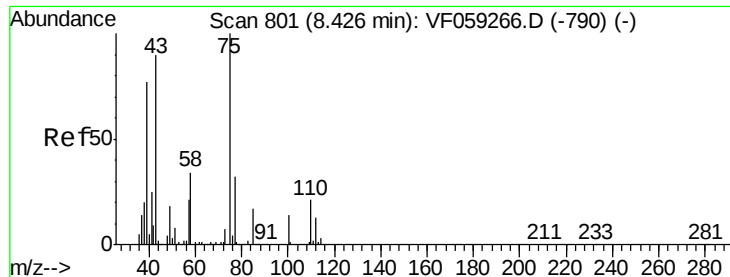
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.65 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.1	39.1

Instrument :

MSVOA_F

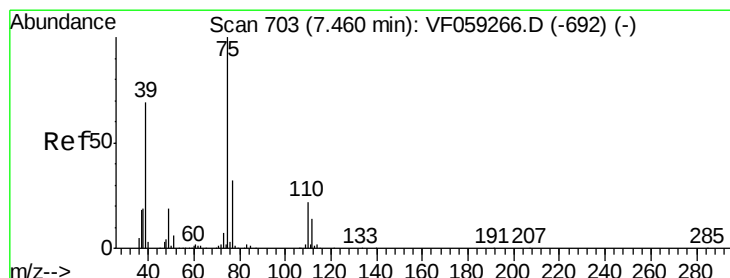
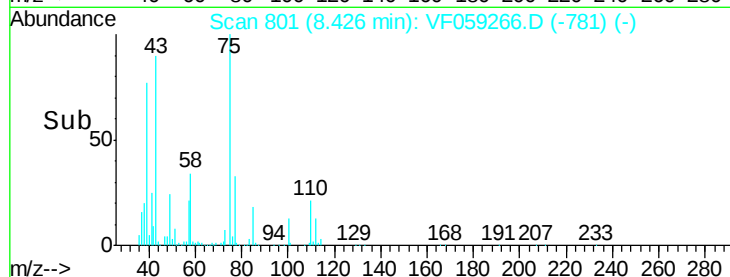
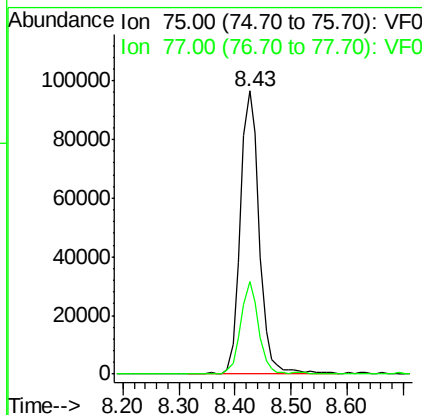
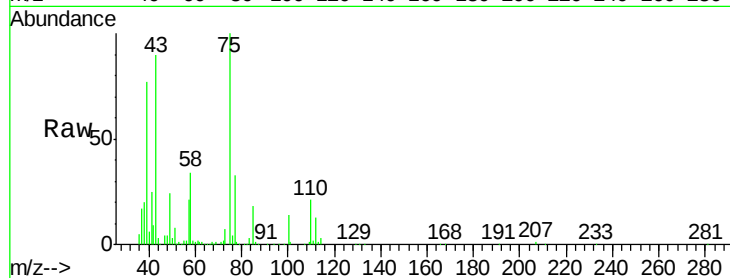
ClientSampleId :

VSTDICCC050

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#54

cis-1,3-Dichloropropene

Concen: 54.21 ug/l

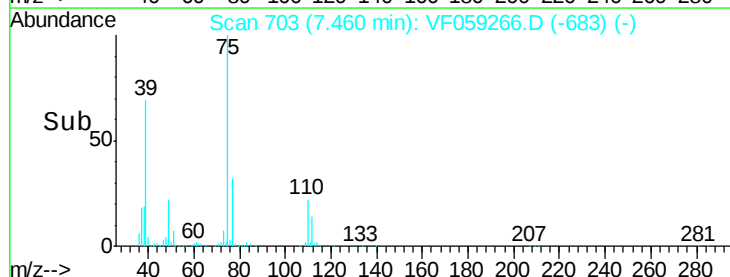
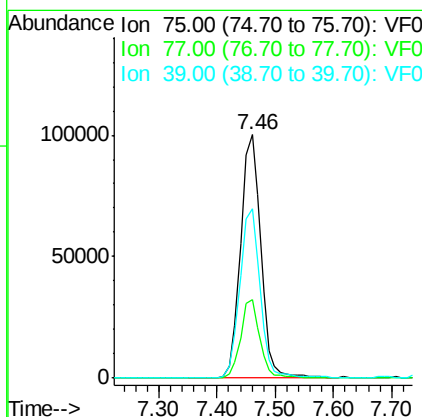
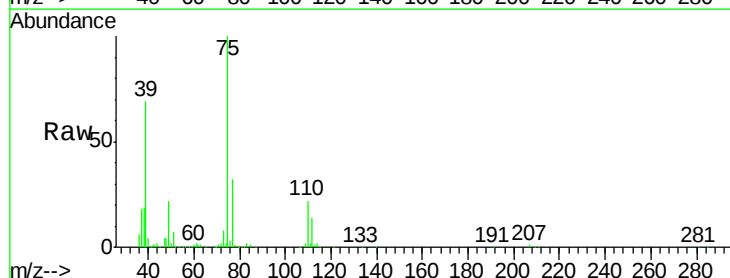
RT: 7.46 min Scan# 703

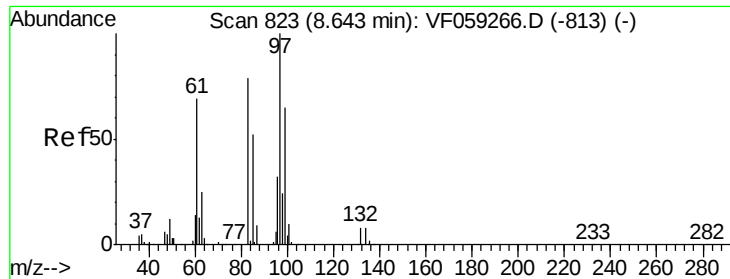
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0
39	69.4	55.5	83.3





#55

1,1,2-Trichloroethane

Concen: 57.13 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

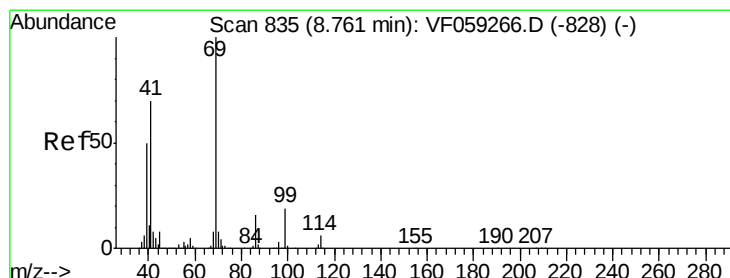
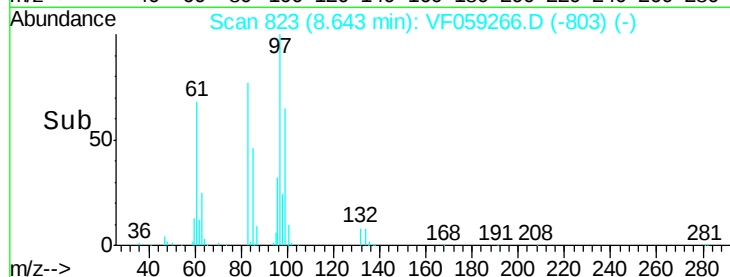
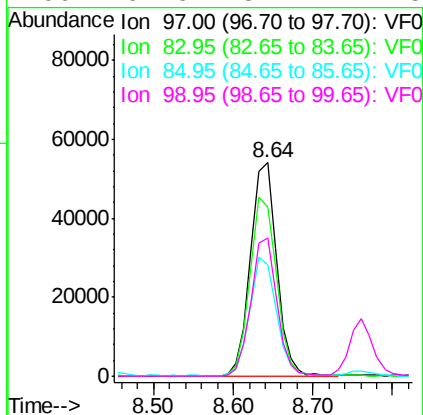
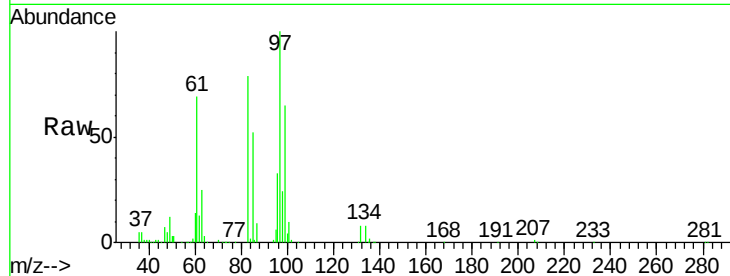
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123228		
83	79.0	63.2	94.8		
85	52.2	41.8	62.6		
99	64.6	51.7	77.5		

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#56

Ethyl methacrylate

Concen: 54.60 ug/l

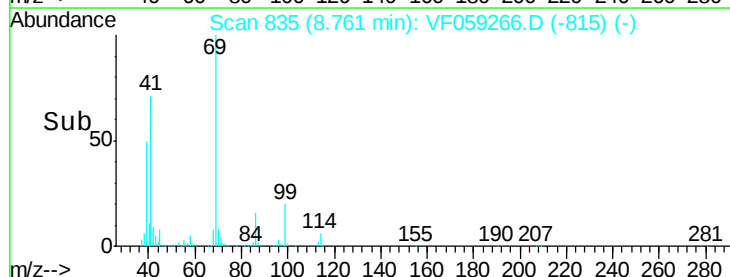
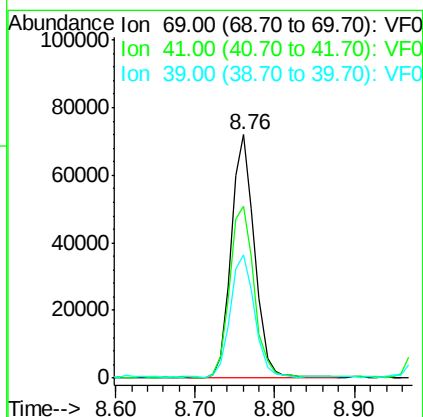
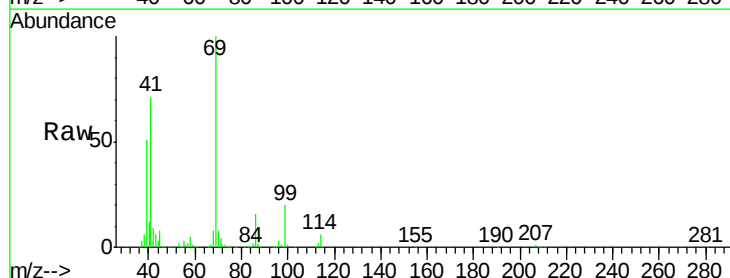
RT: 8.76 min Scan# 835

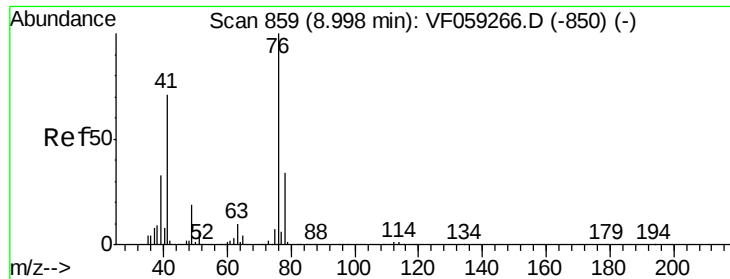
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		148417		
41	70.8	56.6	85.0		
39	50.6	40.5	60.7		





#57

1,3-Dichloropropane

Concen: 55.25 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tot Ion: 76 Resp: 202333

Ion Ratio Lower Upper

76 100

78 34.4 27.5 41.3

Instrument :

MSVOA_F

ClientSampleId :

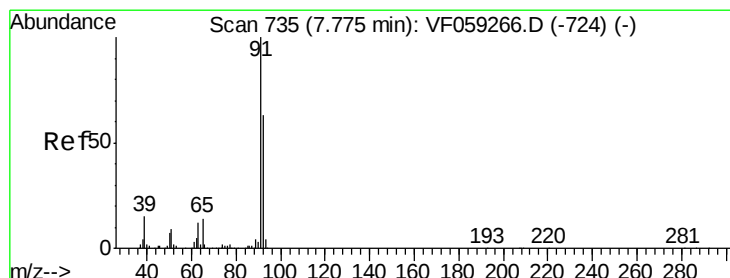
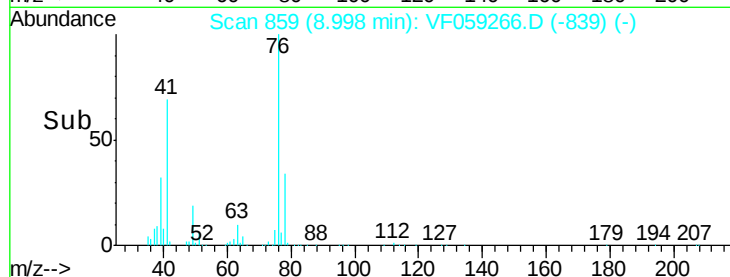
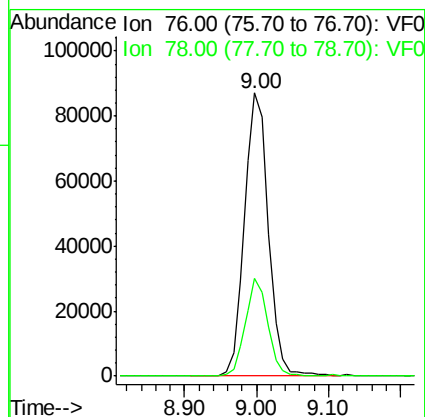
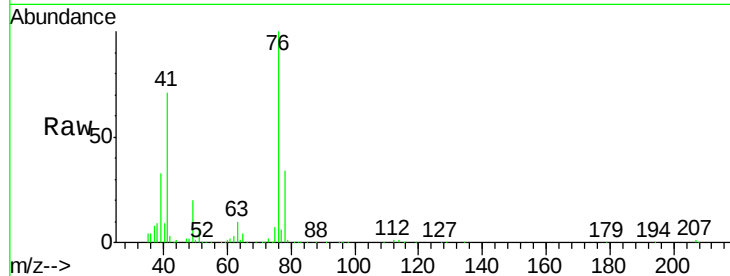
VSTDICCC050

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#58

2-Chloroethyl Vinyl ether

Concen: 280.98 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059266.D

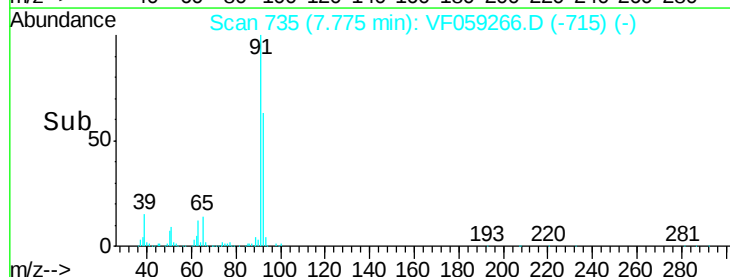
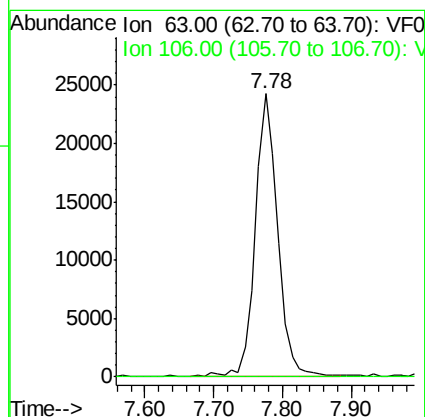
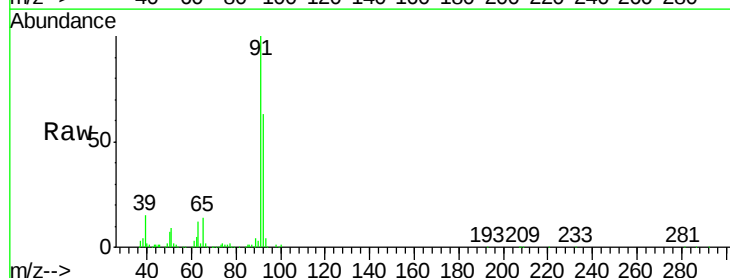
Acq: 21 Jun 2018 17:13

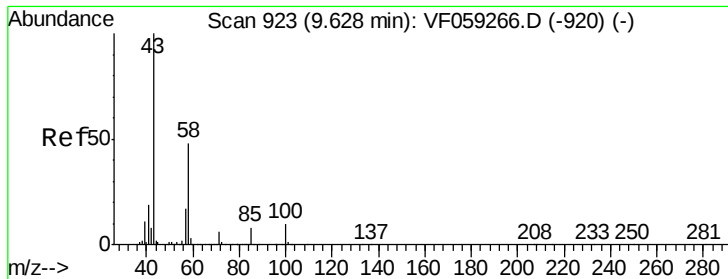
Tgt Ion: 63 Resp: 55126

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





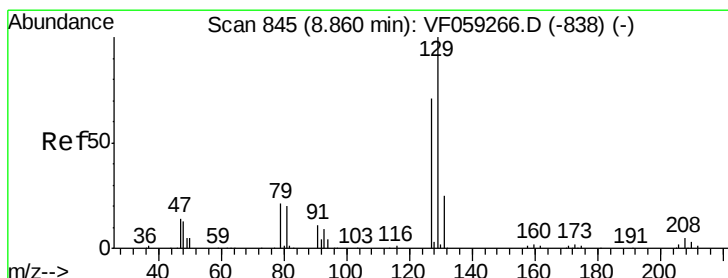
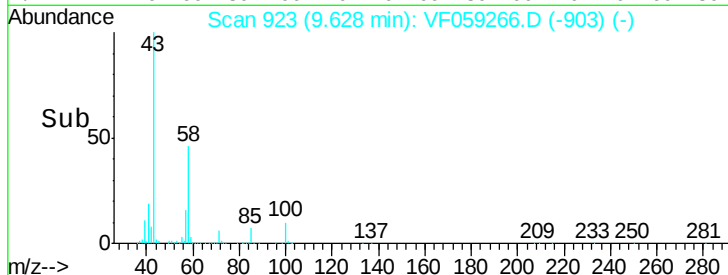
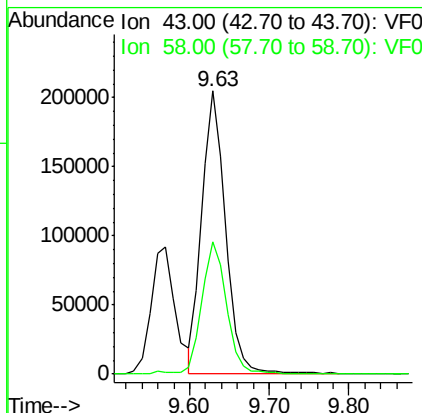
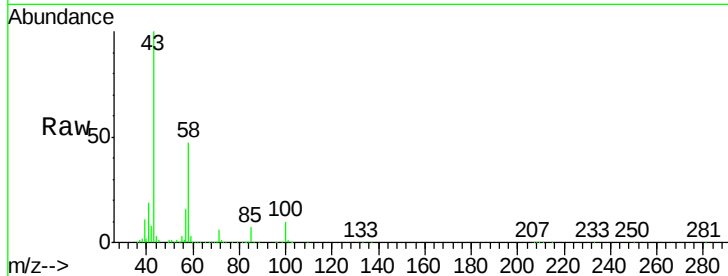
#59
2-Hexanone
Concen: 263.62 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.6	23.3	69.9

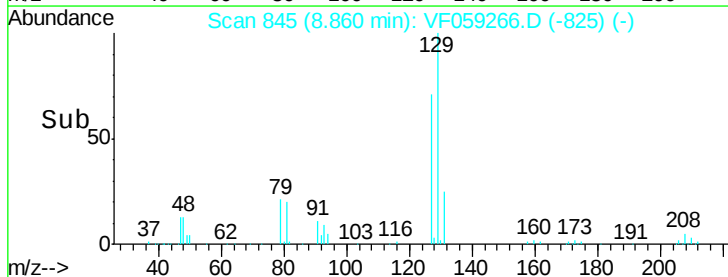
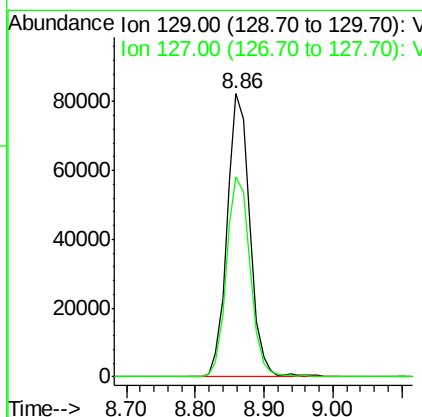
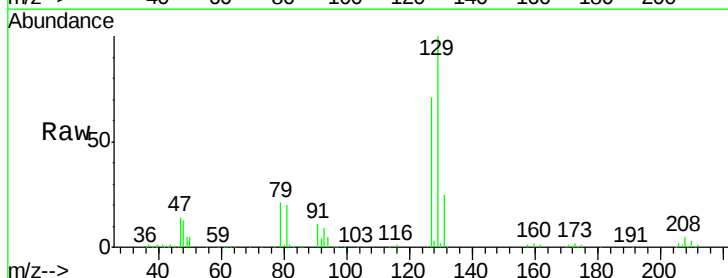
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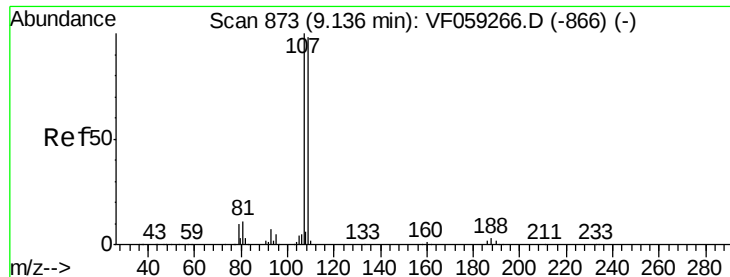
apatel
6/22/2018 11:34:31 AM



#60
Dibromochloromethane
Concen: 60.04 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.8	35.4	106.2





#61

1,2-Dibromoethane

Concen: 56.83 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 142710

Ion Ratio Lower Upper

107 100

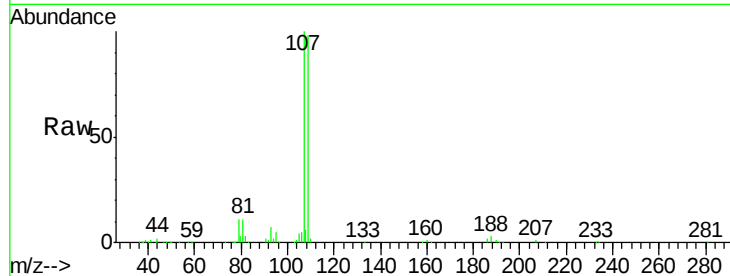
109 97.5 78.0 117.0

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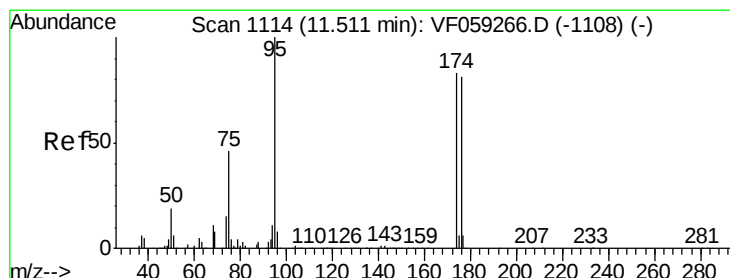
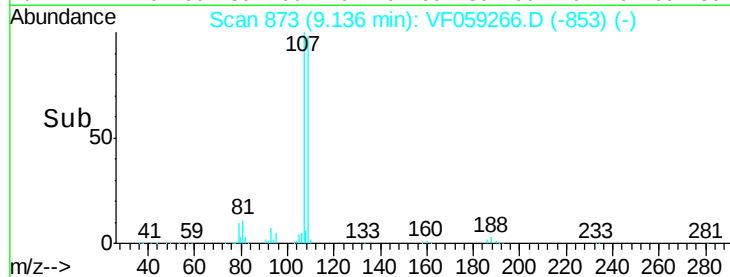
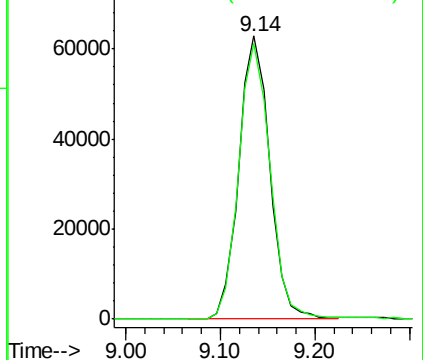
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.47 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

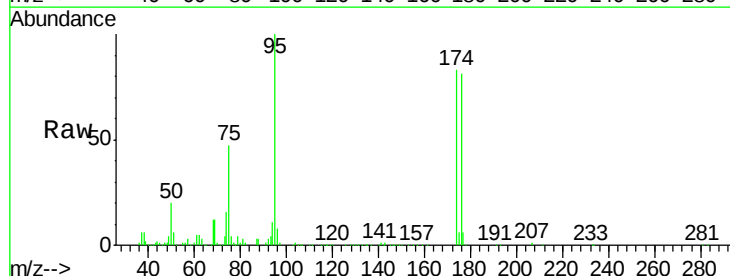
Tgt Ion: 95 Resp: 210492

Ion Ratio Lower Upper

95 100

174 83.1 0.0 166.2

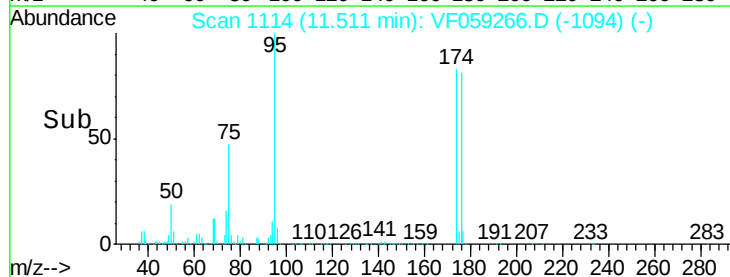
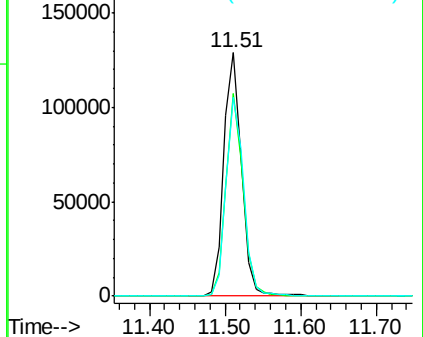
176 81.4 0.0 162.8

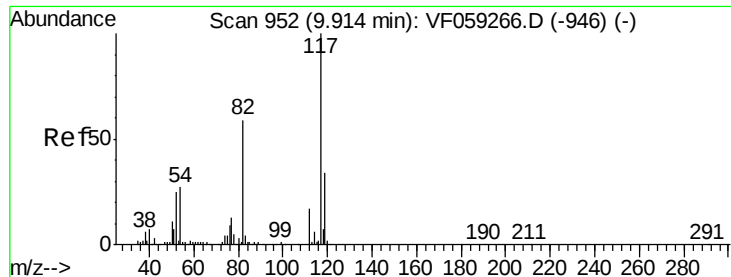


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





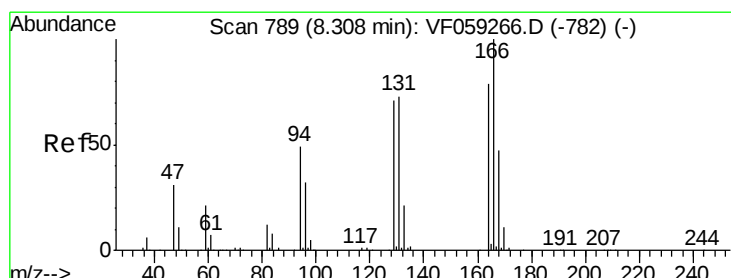
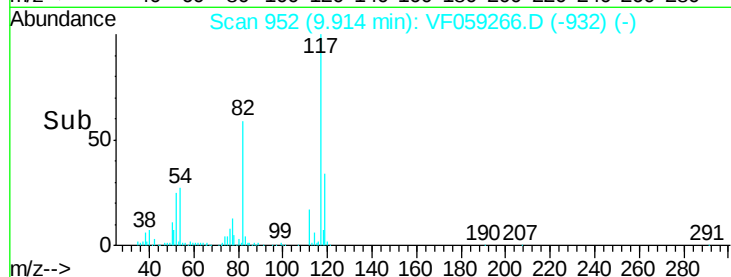
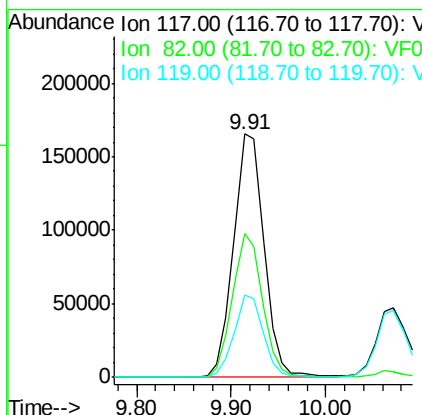
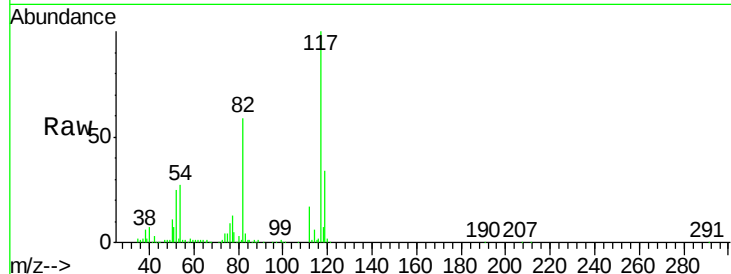
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.1	70.7
119	33.6	26.9	40.3

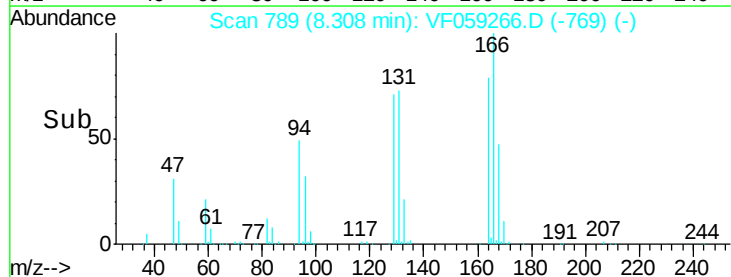
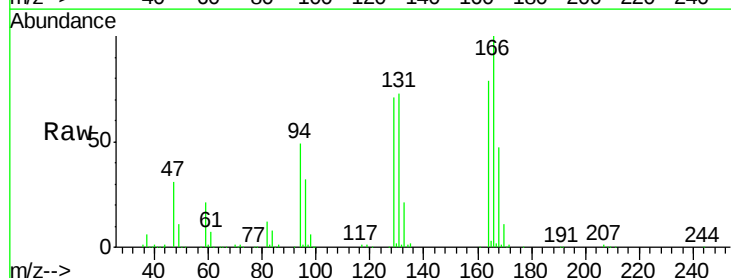
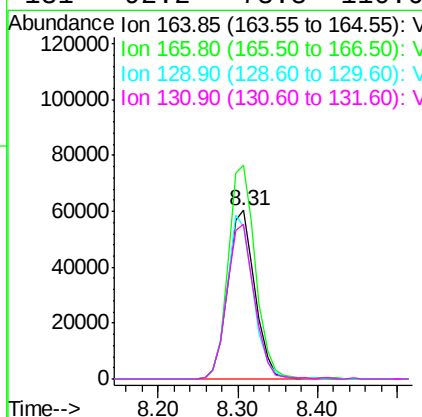
Manual Integrations
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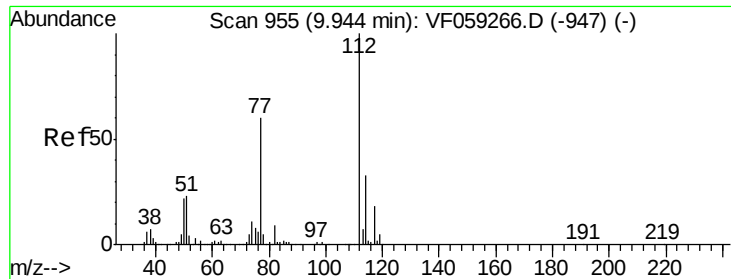
apatel
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#64
Tetrachloroethene
Concen: 52.49 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.4	152.2
129	90.3	72.2	108.4
131	92.2	73.8	110.6





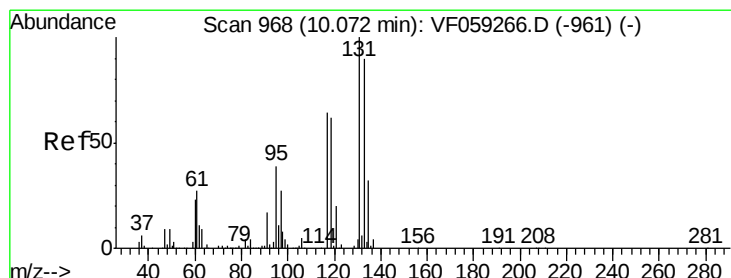
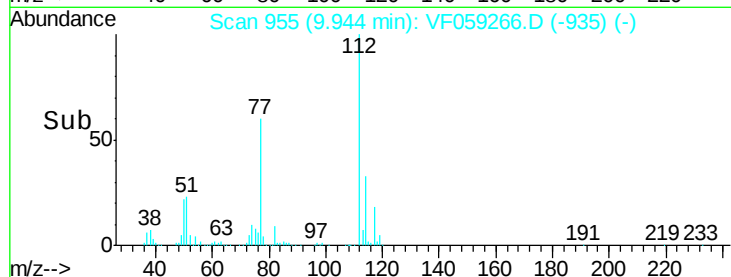
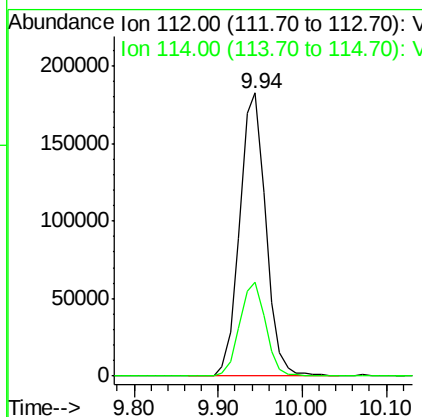
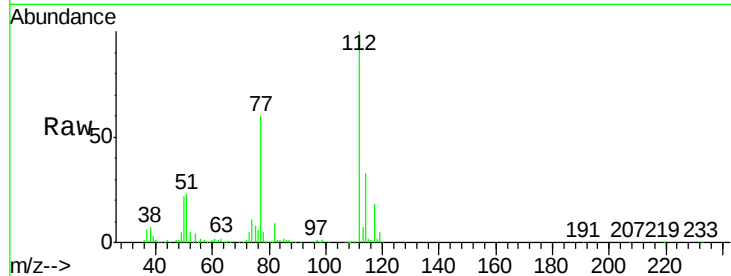
#65
Chlorobenzene
Concen: 53.05 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.4	39.6

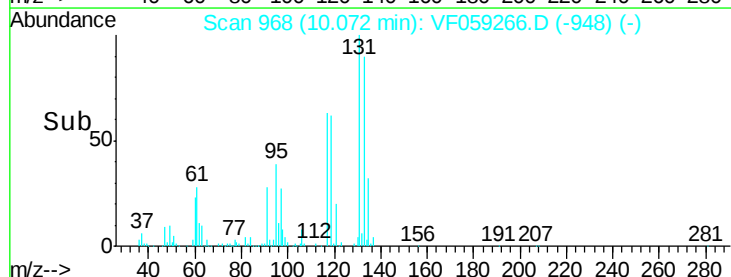
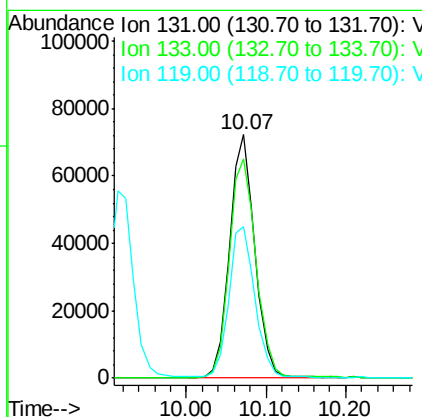
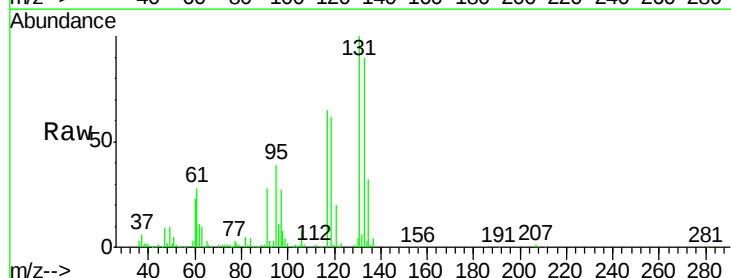
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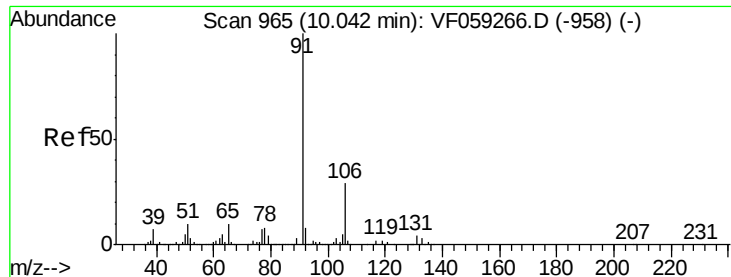
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.81 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.1	45.1	135.2
119	62.4	31.2	93.6





#67

Ethyl Benzene

Concen: 51.80 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 665701

Ion Ratio Lower Upper

91 100

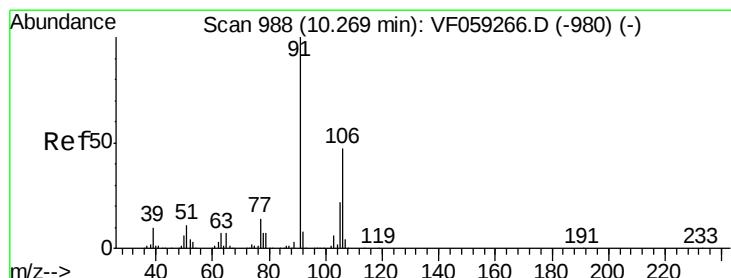
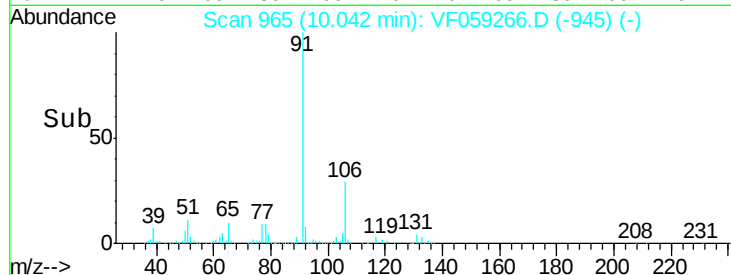
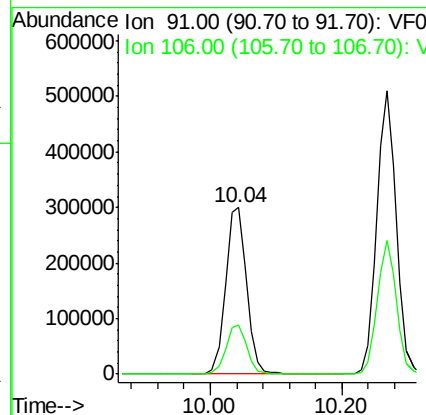
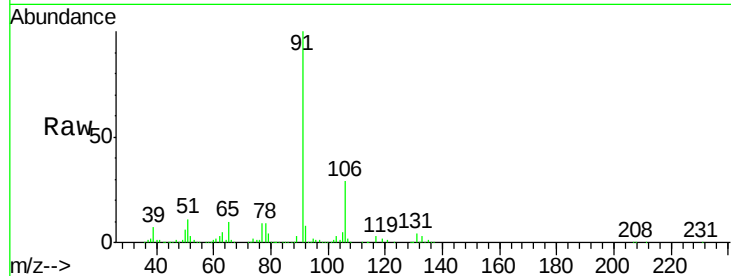
106 29.3 23.4 35.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.49 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059266.D

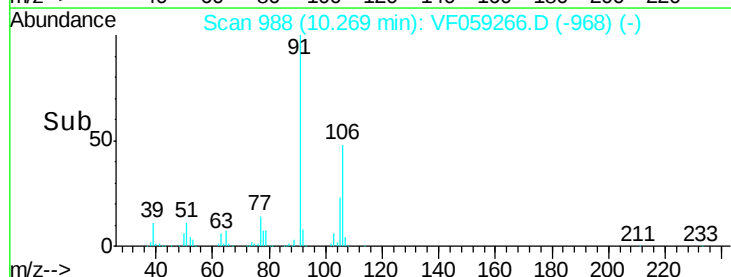
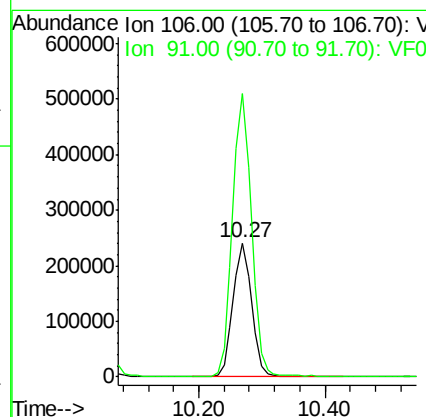
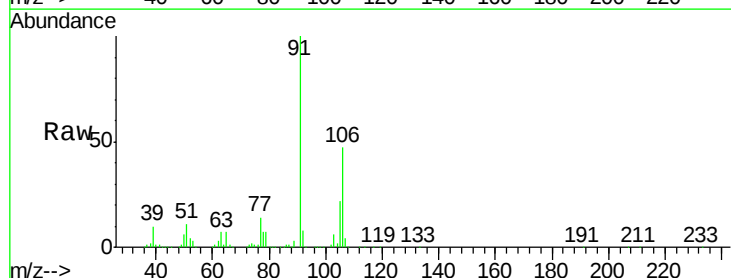
Acq: 21 Jun 2018 17:13

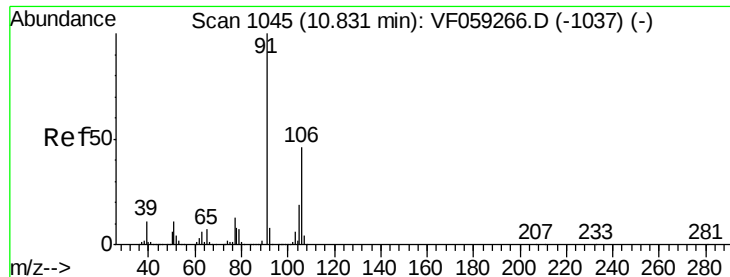
Tgt Ion: 106 Resp: 495133

Ion Ratio Lower Upper

106 100

91 211.0 168.8 253.2





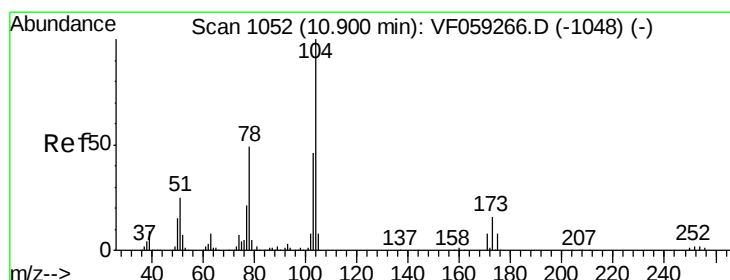
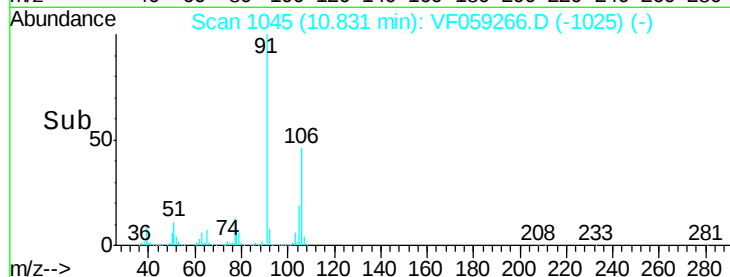
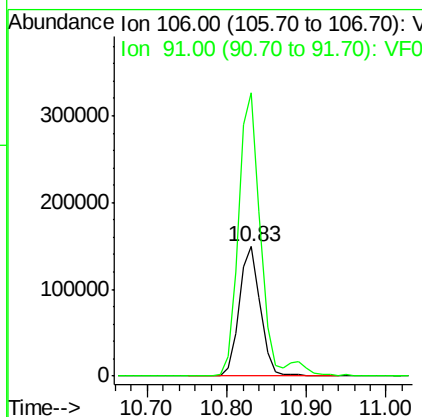
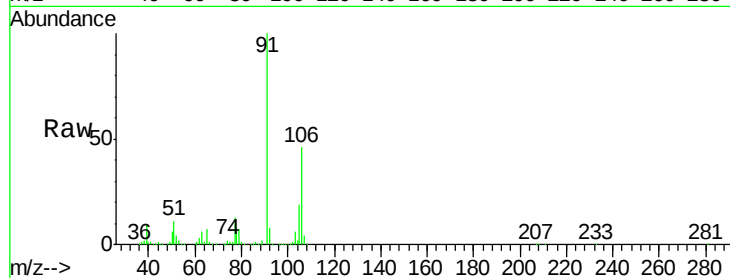
#69
o-Xylene
Concen: 52.78 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.3	109.1	327.4

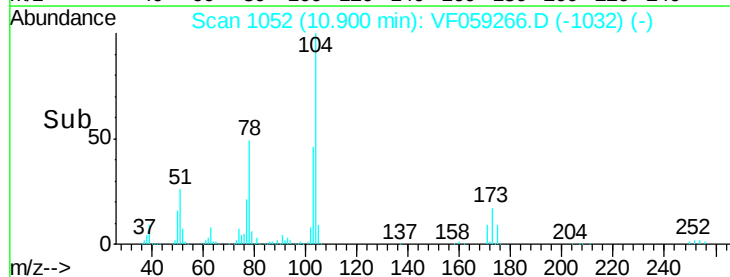
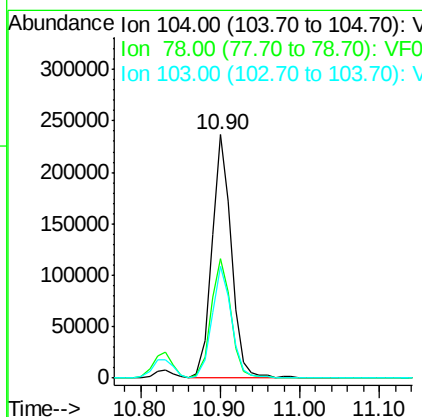
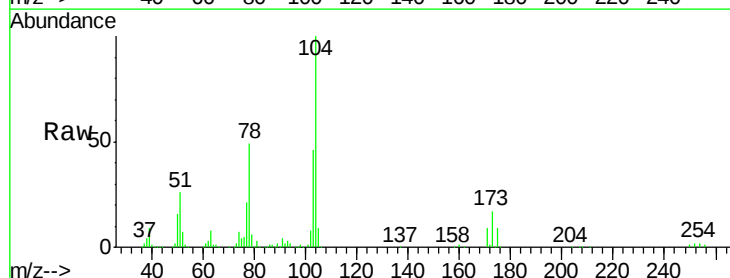
Manual Integrations
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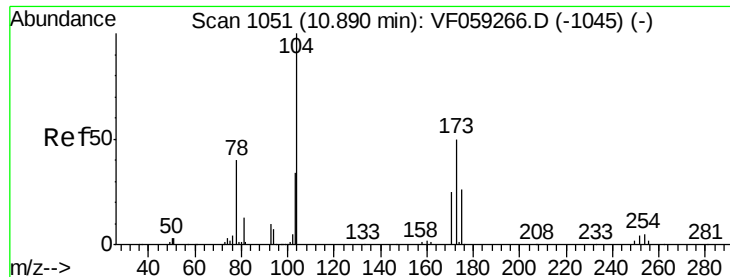
apatel
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#70
Styrene
Concen: 51.30 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	45.8	36.6	55.0





#71

Bromoform

Concen: 57.77 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

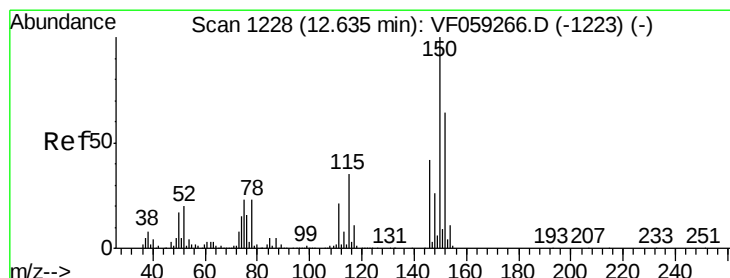
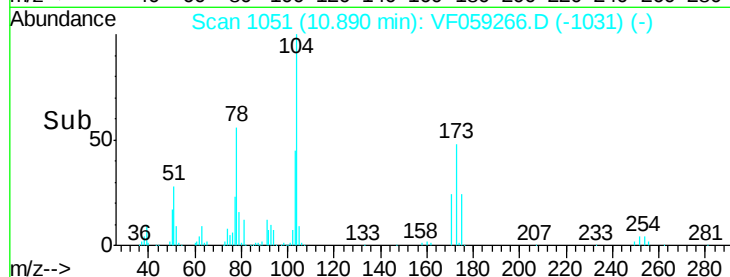
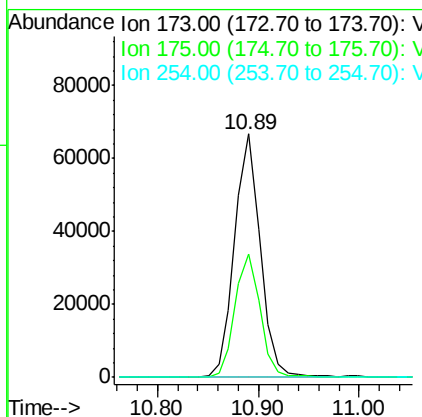
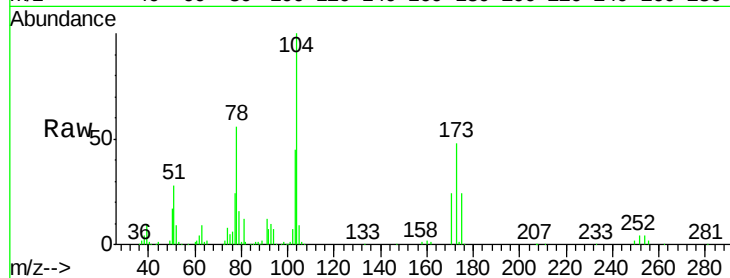
ClientSampleId :

VSTDICCC050

Tot Ion:	173	Resp:	118677
Ion Ratio	Lower	Upper	
173	100		
175	50.9	25.4	76.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

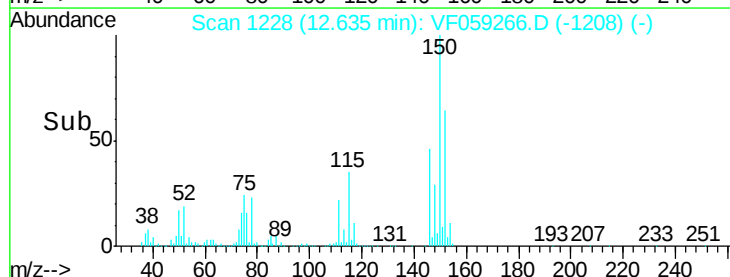
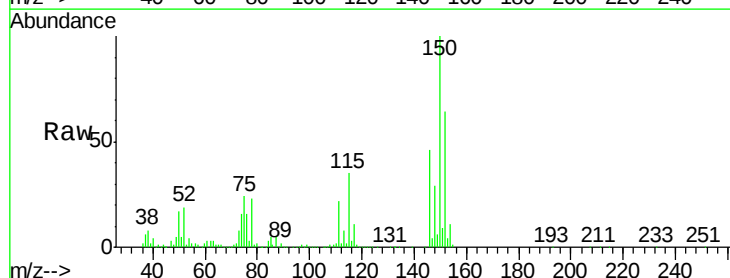
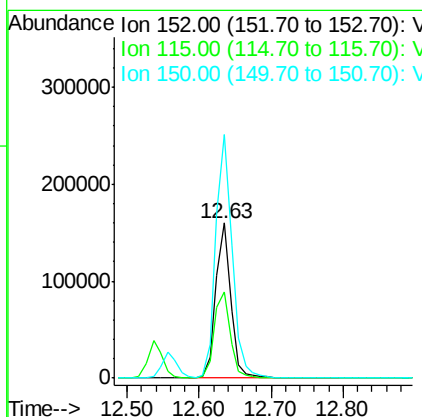
RT: 12.63 min Scan# 1228

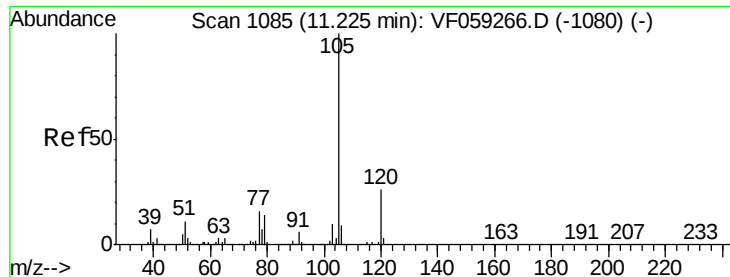
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	152	Resp:	227453
Ion Ratio	Lower	Upper	
152	100		
115	55.5	27.8	83.3
150	156.9	0.0	313.8





#73

Isopropylbenzene

Concen: 50.63 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 796625

Ion Ratio Lower Upper

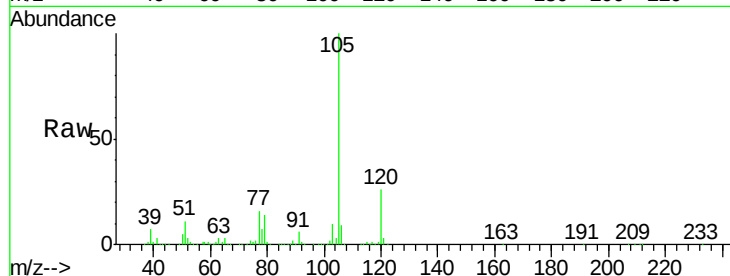
105 100

120 25.8 12.9 38.7

Manual Integrations
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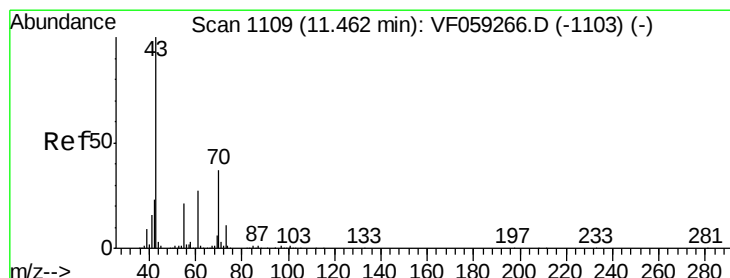
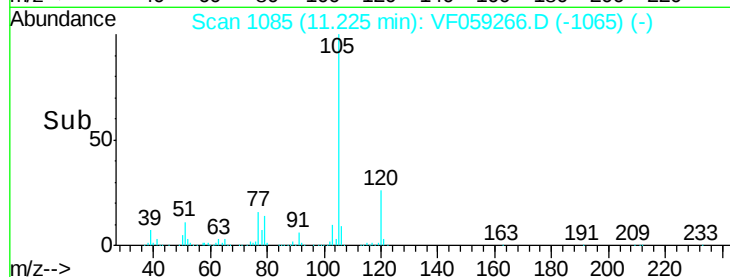
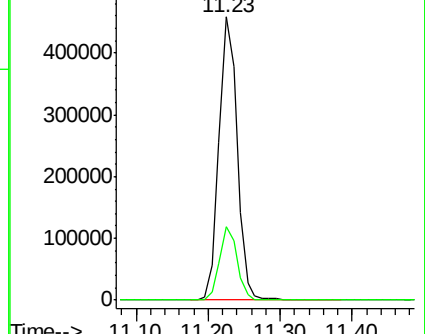
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.90 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion: 43 Resp: 256076

Ion Ratio Lower Upper

43 100

70 37.0 29.6 44.4

55 21.2 17.0 25.4

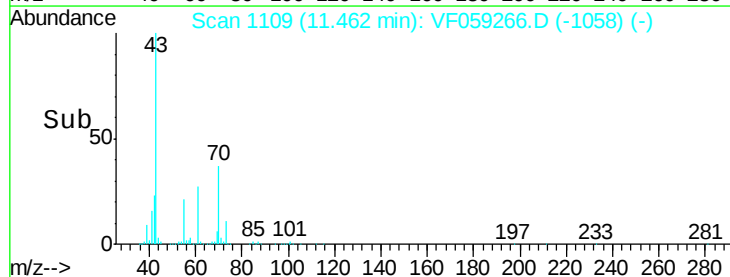
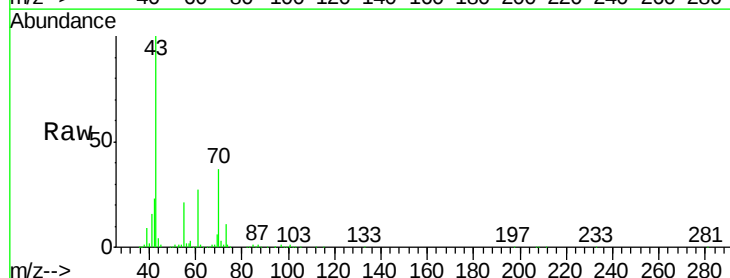
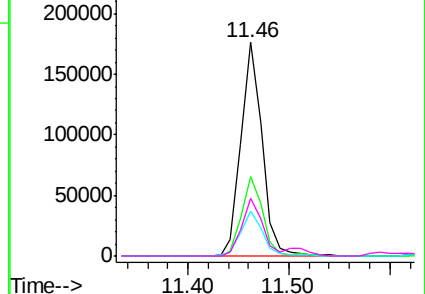
61 26.8 21.4 32.2

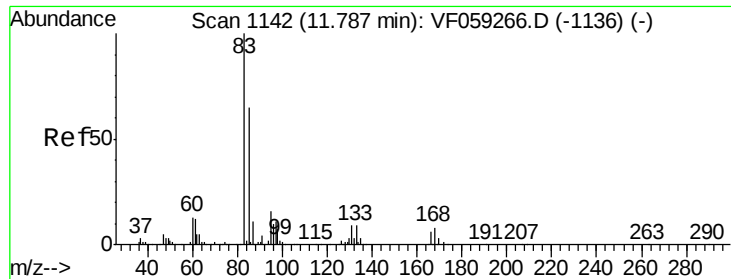
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.37 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

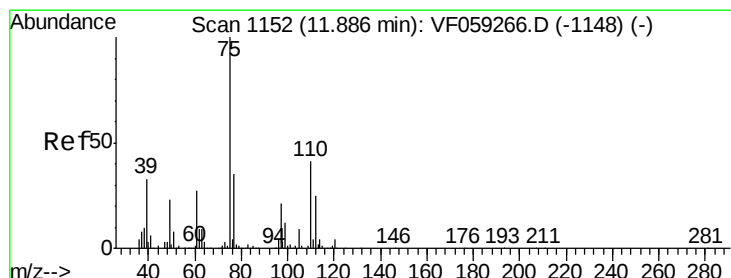
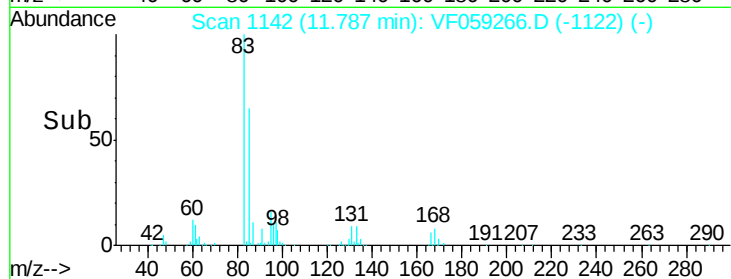
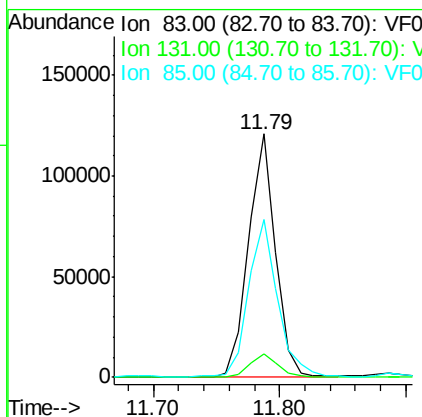
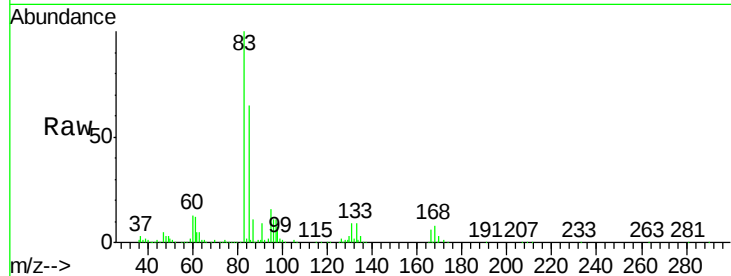
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	180467
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	64.8	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 48.42 ug/l

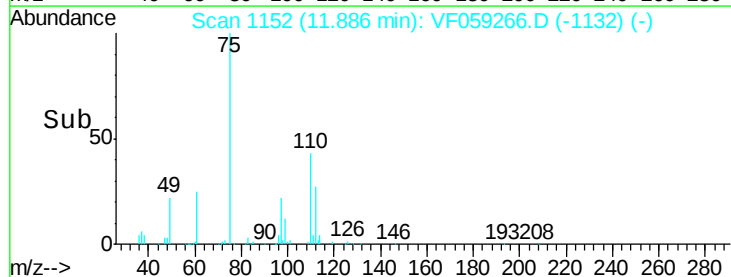
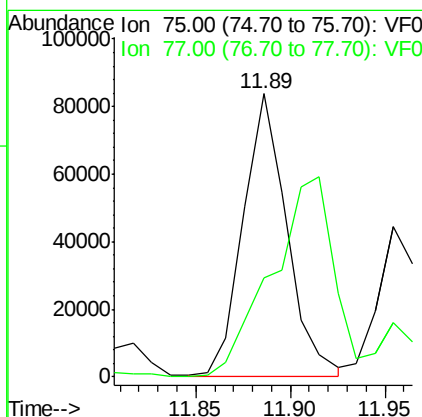
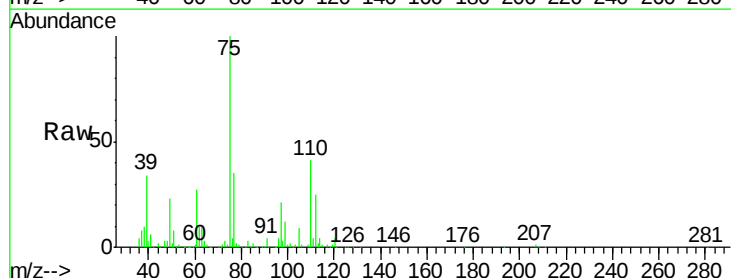
RT: 11.89 min Scan# 1152

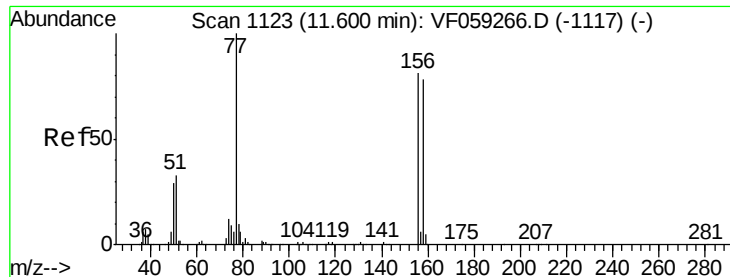
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	75	Resp:	133721
Ion Ratio	Lower	Upper	
75	100		
77	34.8	17.4	52.2





#77

Bromobenzene

Concen: 53.22 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

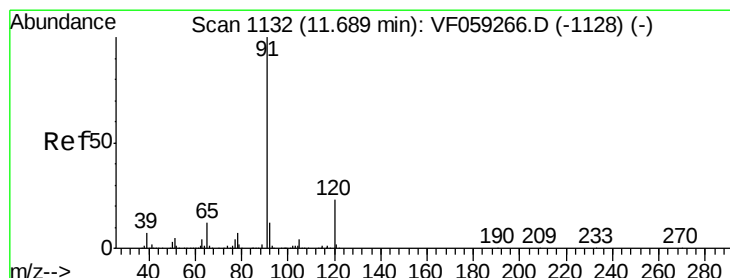
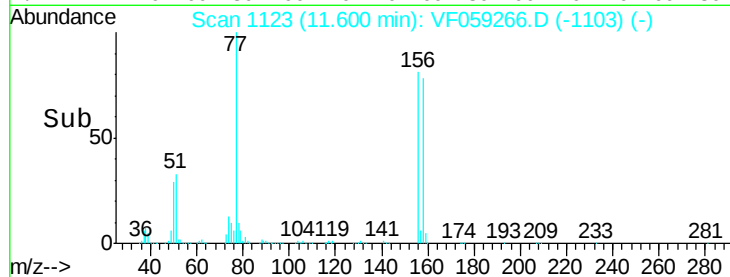
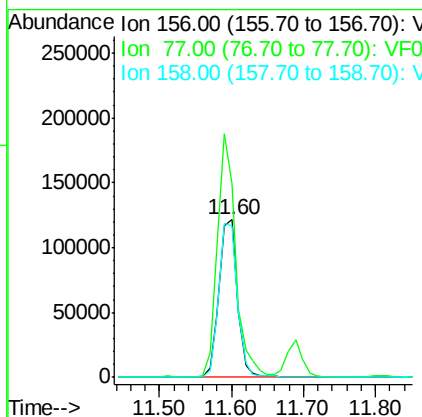
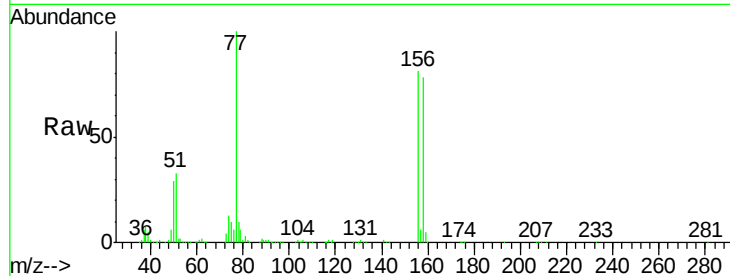
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		213516		
77	123.3	61.7	185.0		
158	96.4	48.2	144.6		

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#78

n-propylbenzene

Concen: 50.54 ug/l

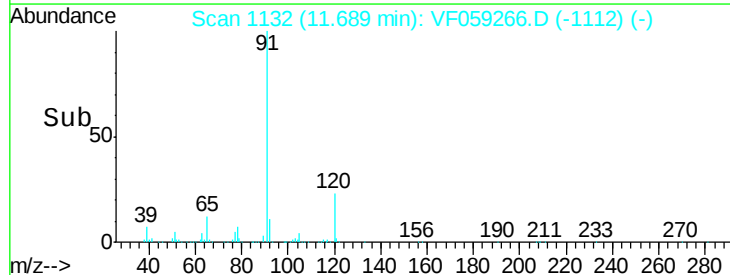
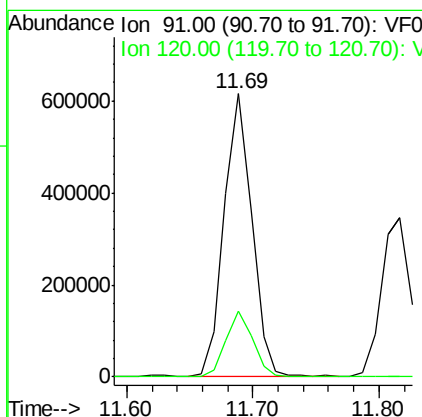
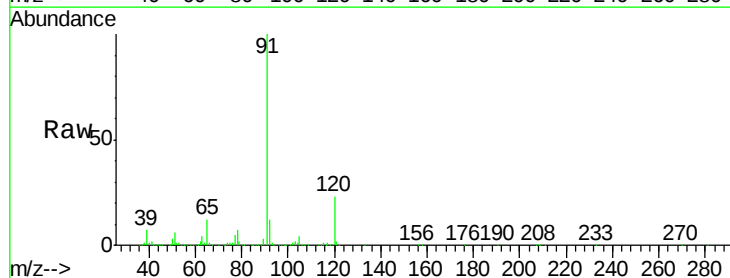
RT: 11.69 min Scan# 1132

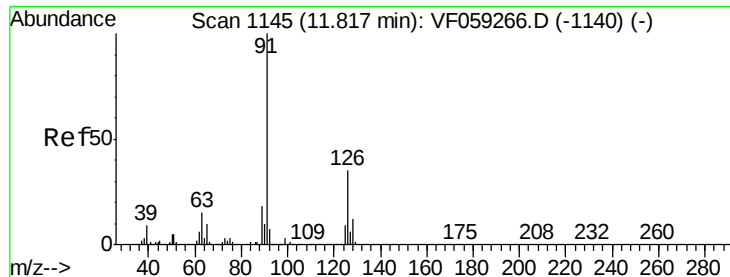
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		941772		
120	23.0	11.5	34.5		





#79

2-Chlorotoluene

Concen: 50.55 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 558601

Ion Ratio Lower Upper

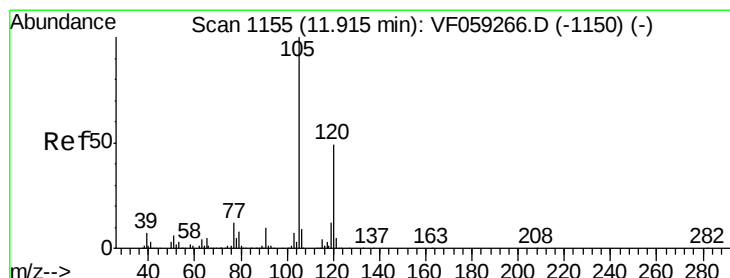
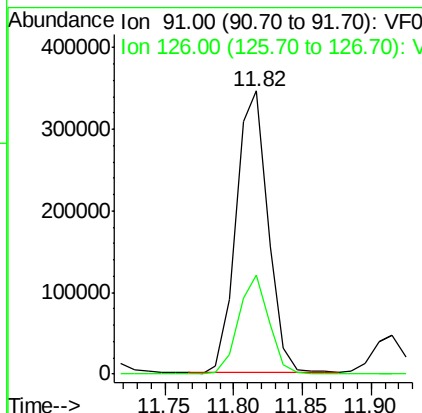
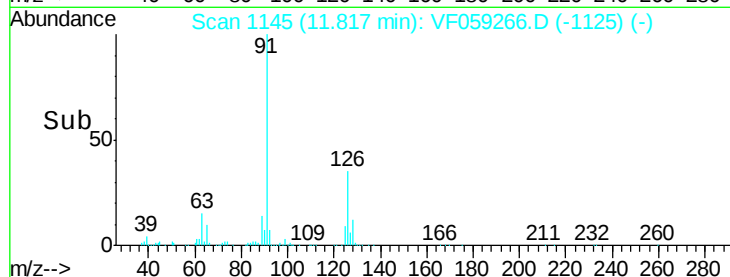
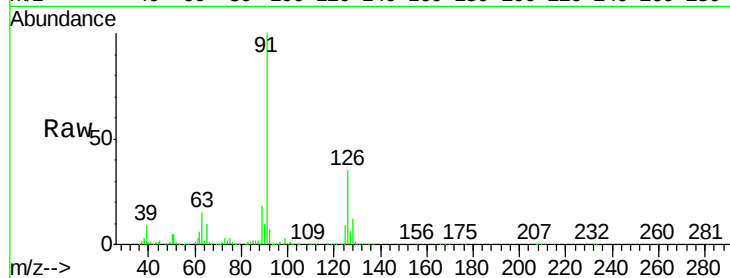
91 100

126 35.0 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.99 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059266.D

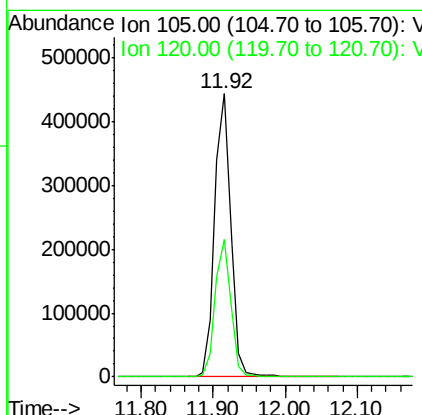
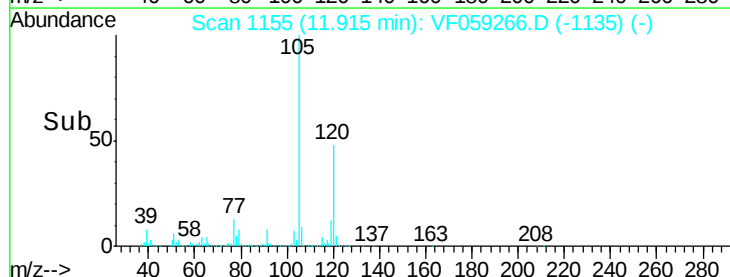
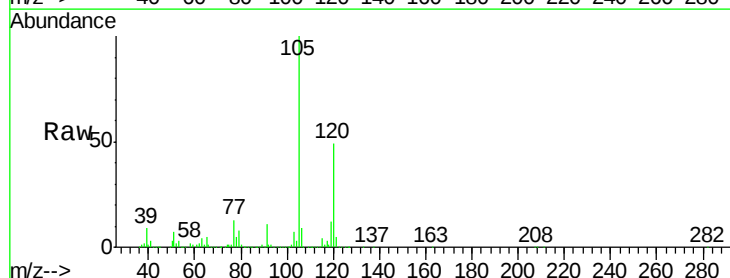
Acq: 21 Jun 2018 17:13

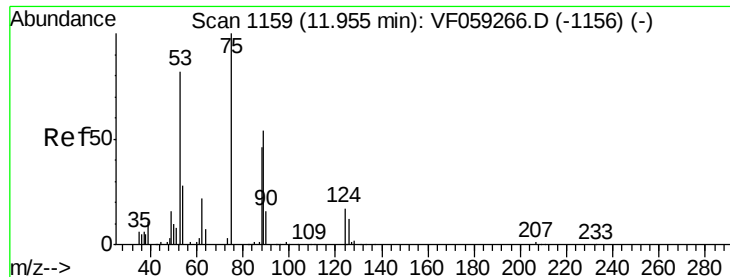
Tgt Ion: 105 Resp: 680788

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.99 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 88103

Ion Ratio Lower Upper

75 100

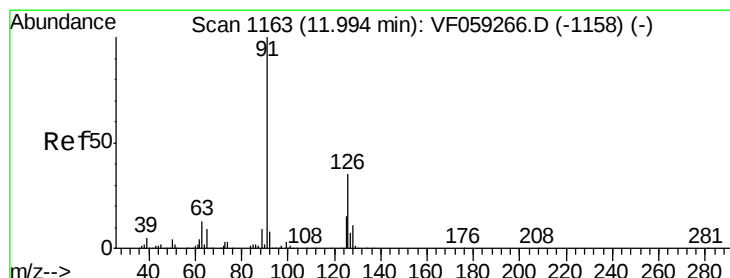
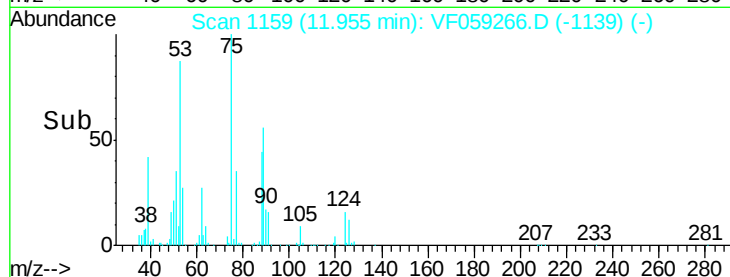
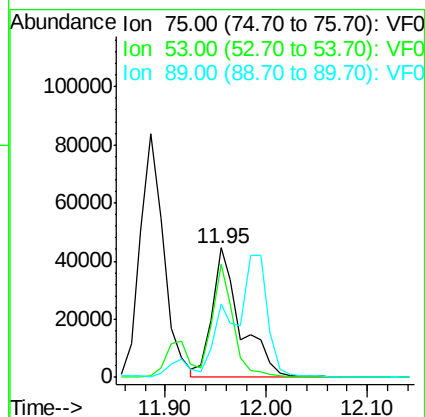
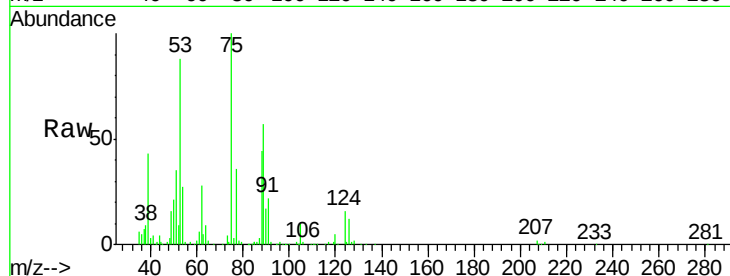
53 87.7 70.2 105.2

89 56.6 45.3 67.9

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#82

4-Chlorotoluene

Concen: 50.75 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059266.D

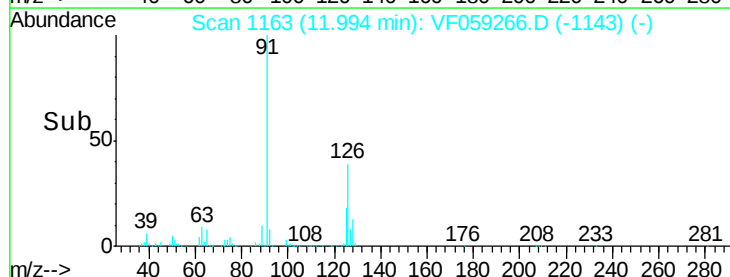
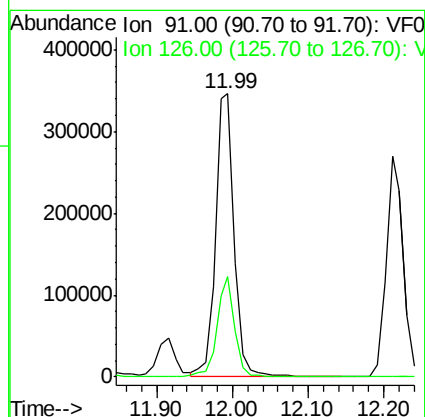
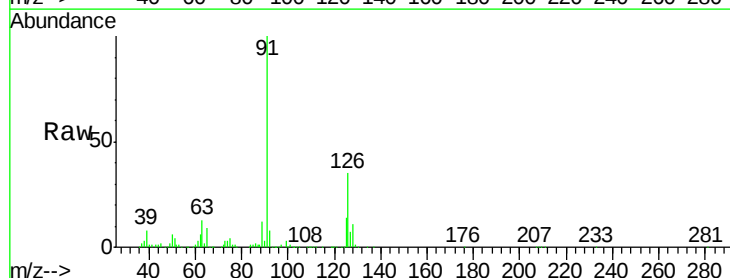
Acq: 21 Jun 2018 17:13

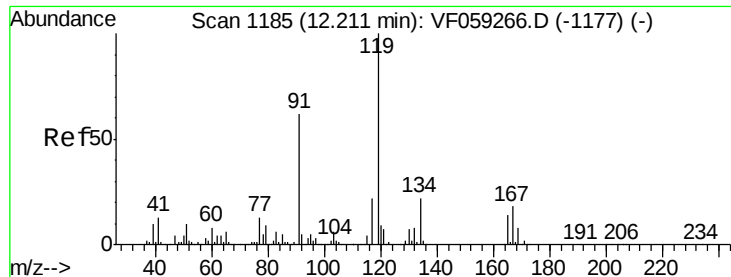
Tgt Ion: 91 Resp: 597688

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8





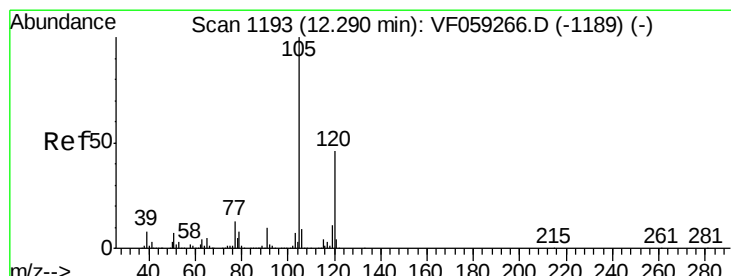
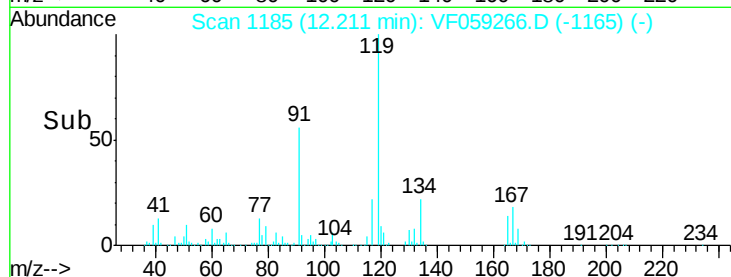
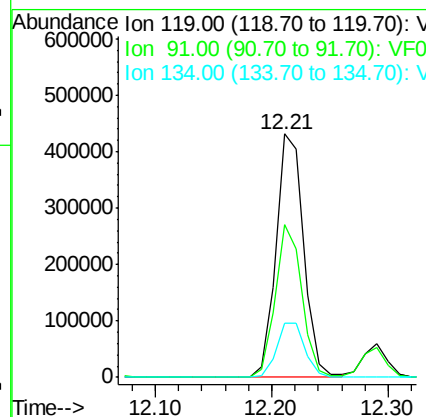
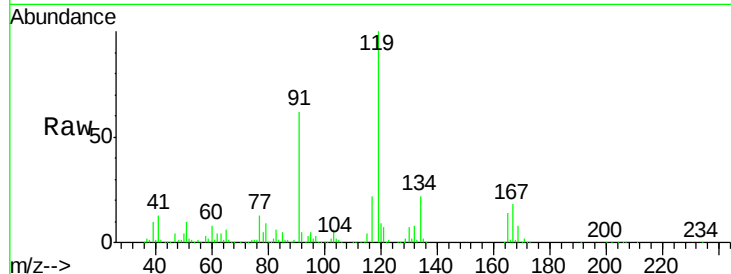
#83
 tert-Butylbenzene
 Concen: 54.11 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.3	93.8
134	22.5	11.3	33.8

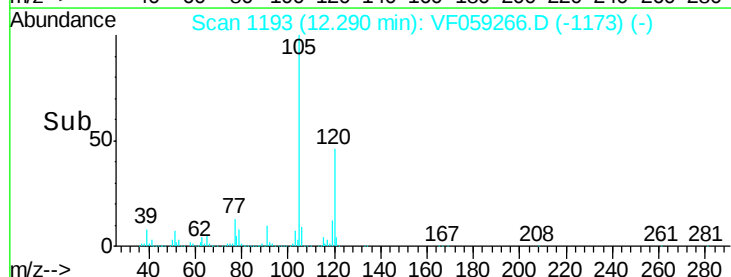
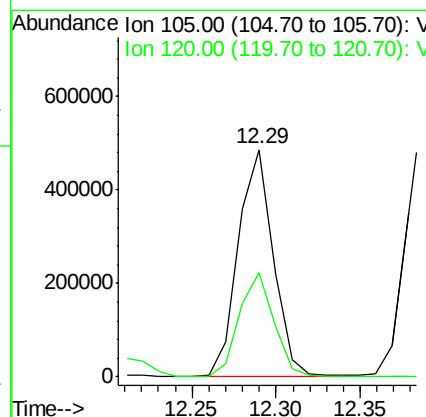
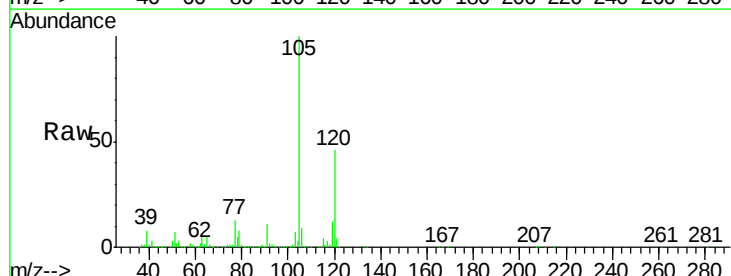
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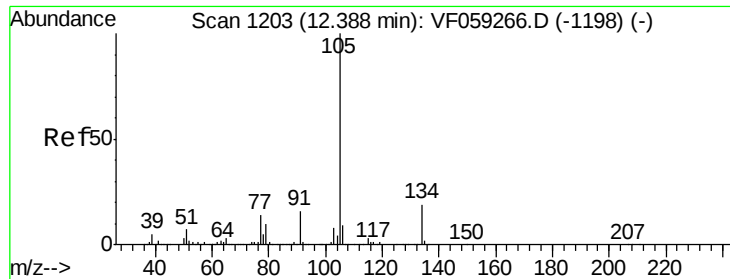
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.28 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





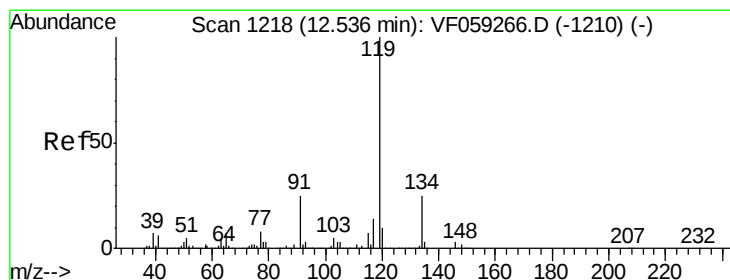
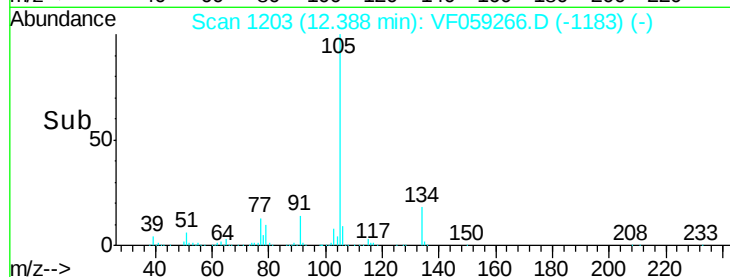
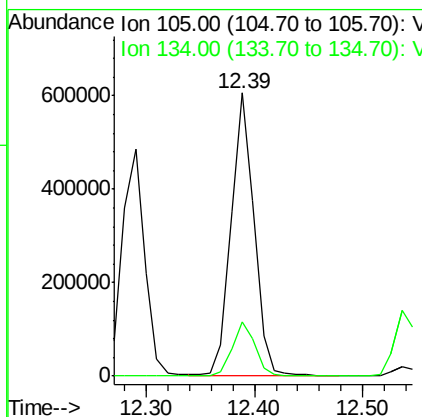
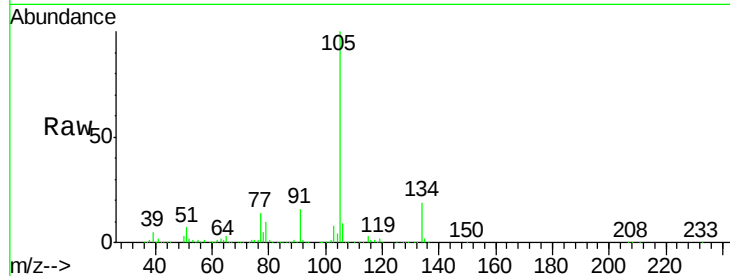
#85
 sec-Butylbenzene
 Concen: 50.99 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.5	28.5

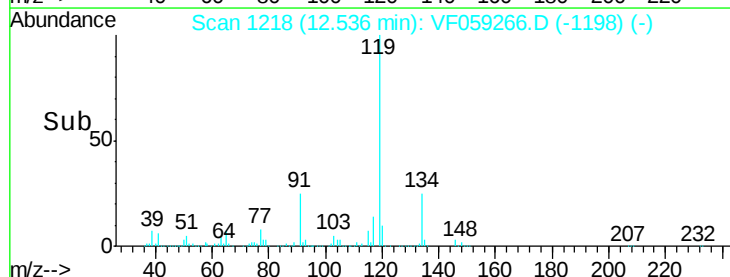
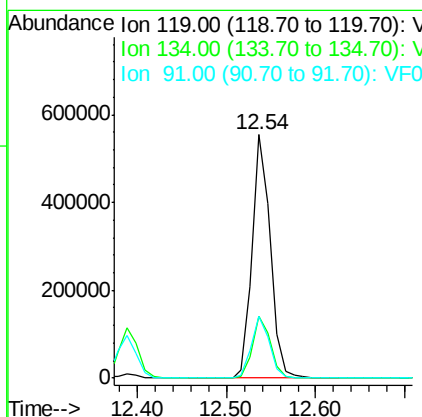
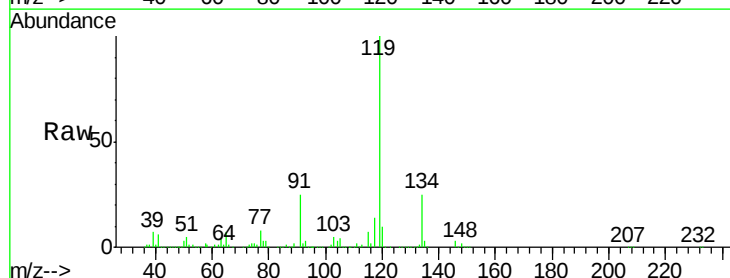
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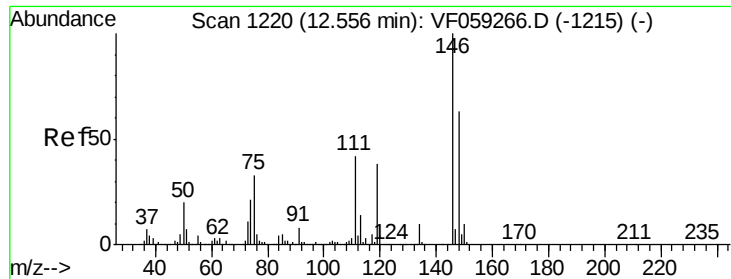
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#86
 p-Isopropyltoluene
 Concen: 53.36 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.2	12.6	37.8





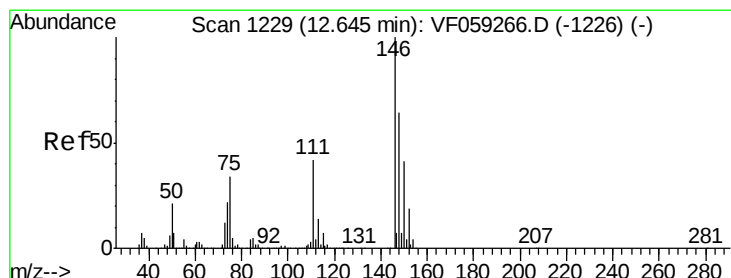
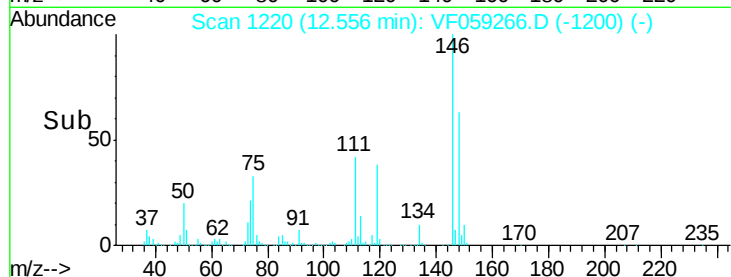
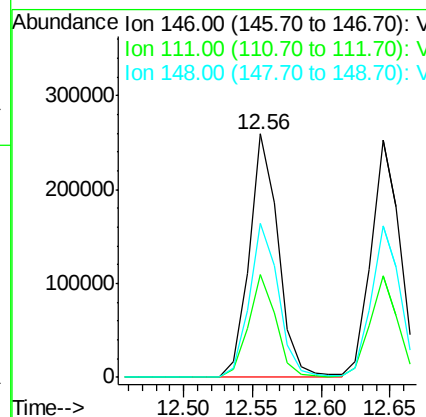
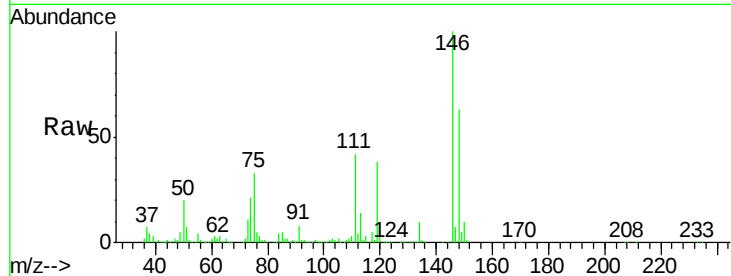
#87
 1,3-Dichlorobenzene
 Concen: 51.63 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.2	31.6	94.8

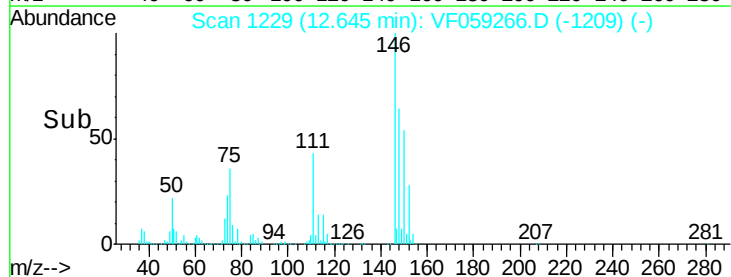
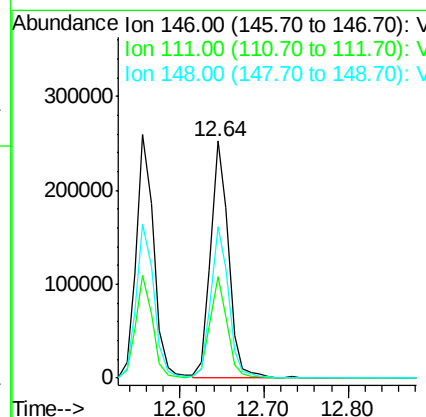
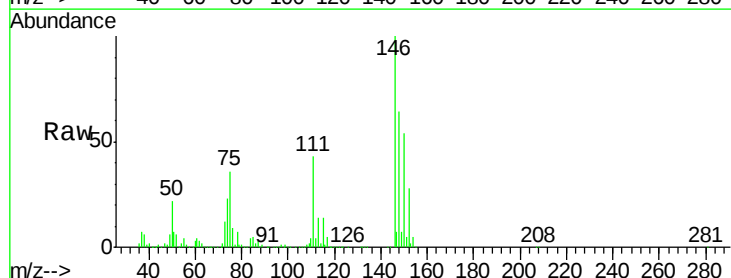
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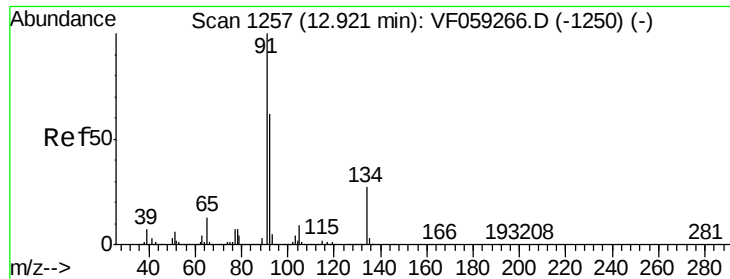
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#88
 1,4-Dichlorobenzene
 Concen: 52.87 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.1	32.0	96.2





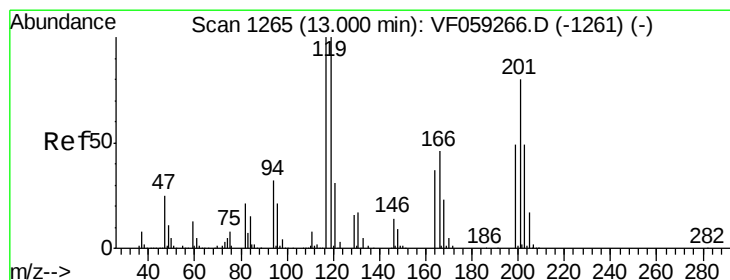
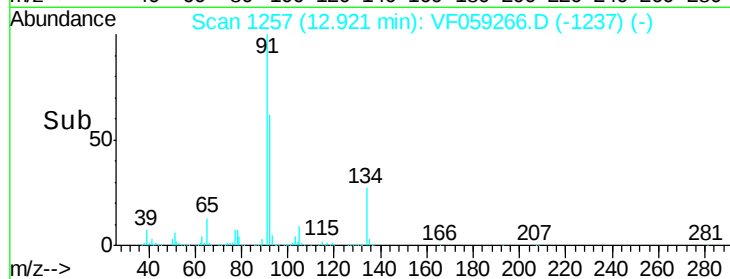
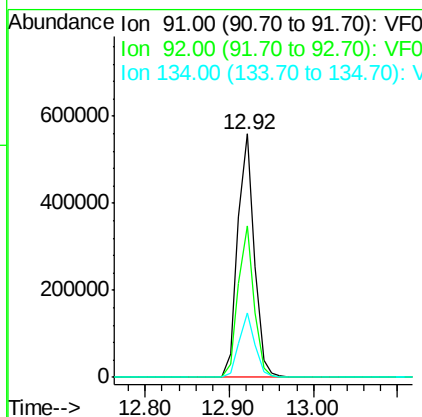
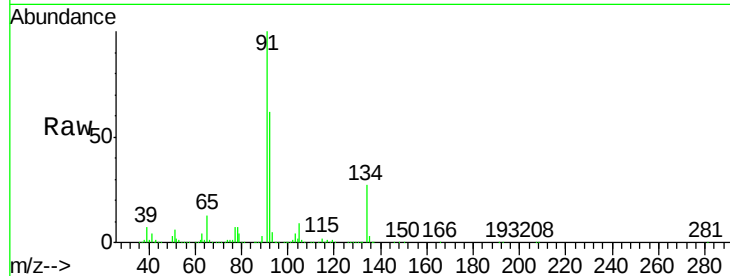
#89
n-Butylbenzene
Concen: 50.96 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.4	31.2	93.6
134	26.7	13.4	40.1

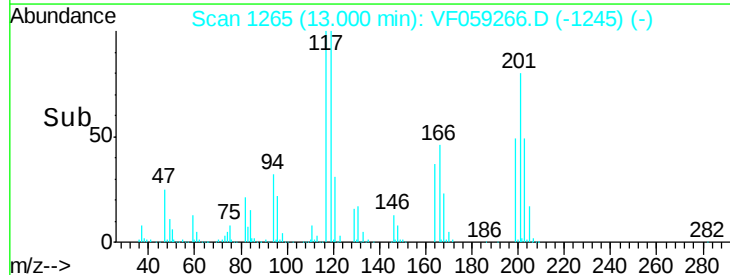
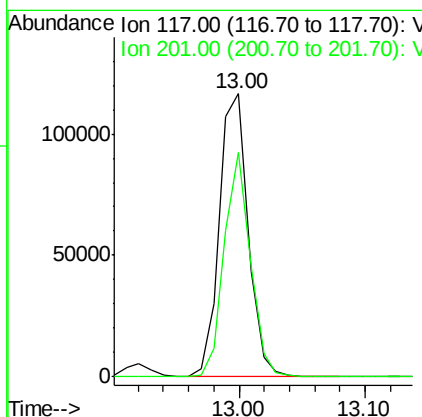
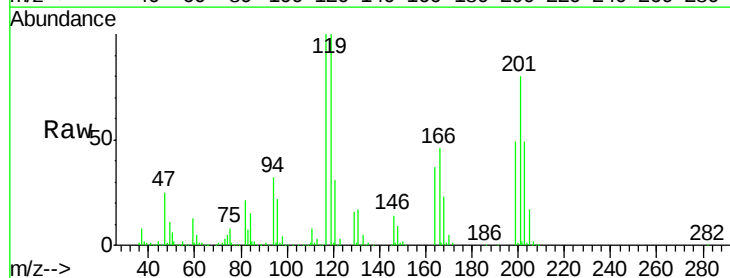
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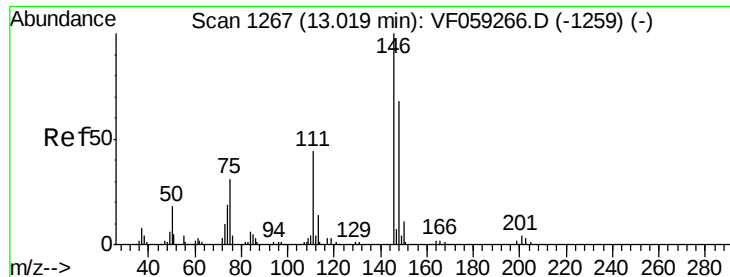
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#90
Hexachloroethane
Concen: 51.77 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059266.D
Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 51.17 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

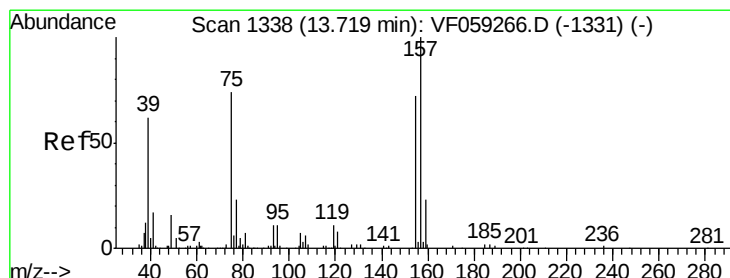
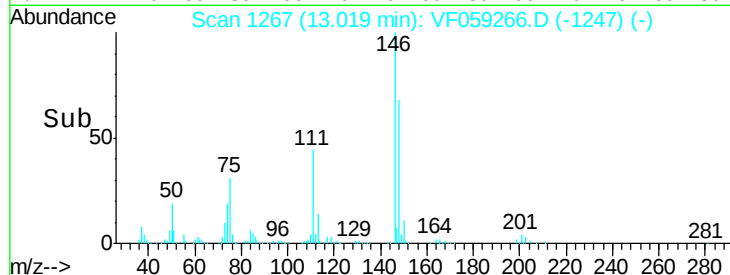
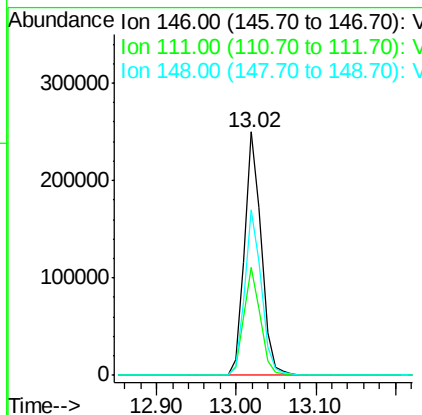
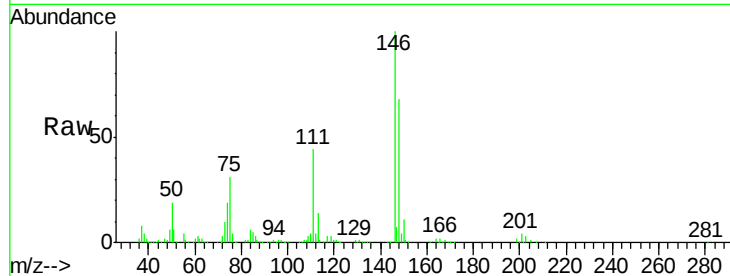
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	363555
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.1	66.3
148	68.0	34.0	102.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.52 ug/l

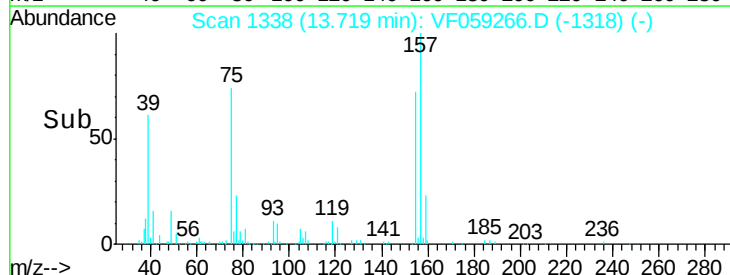
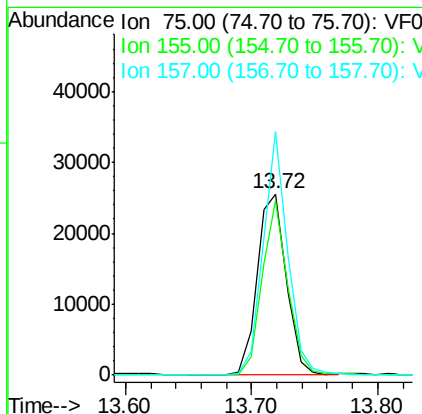
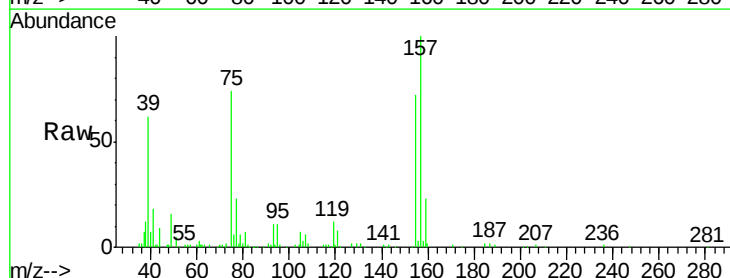
RT: 13.72 min Scan# 1338

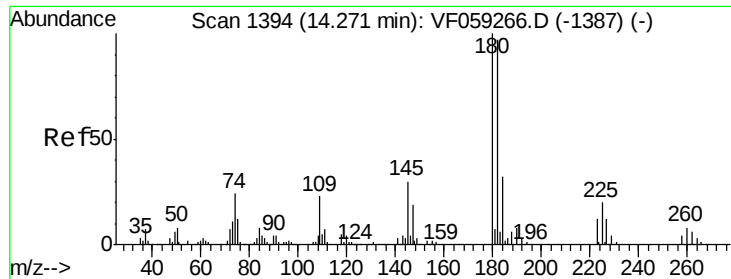
Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	75	Resp:	41298
Ion Ratio	Lower	Upper	
75	100		
155	96.6	48.3	144.9
157	134.4	67.2	201.6





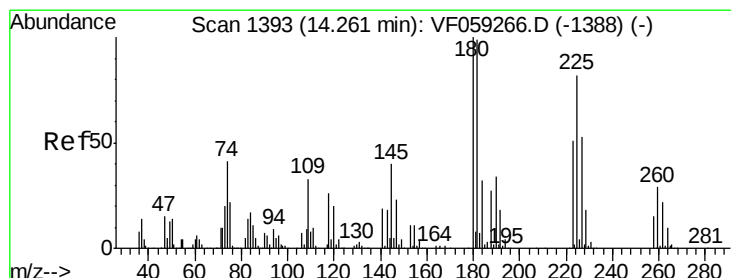
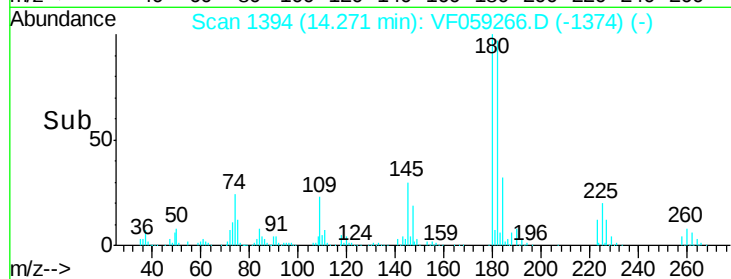
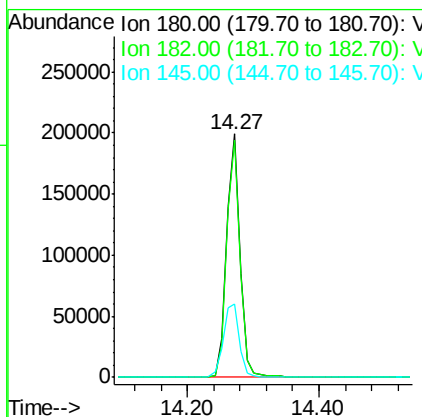
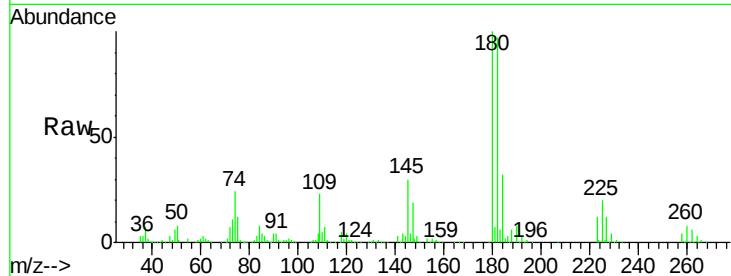
#93
 1,2,4-Trichlorobenzene
 Concen: 56.96 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288107		
182	97.3	48.6	145.9	
145	30.1	15.0	45.1	

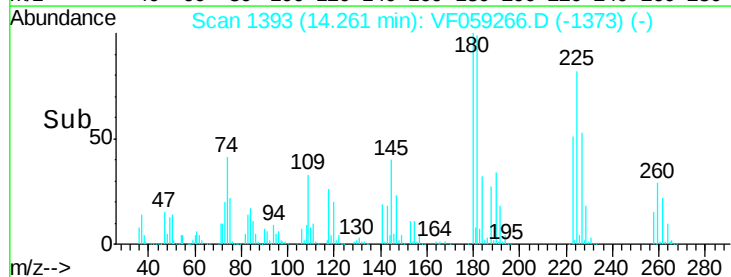
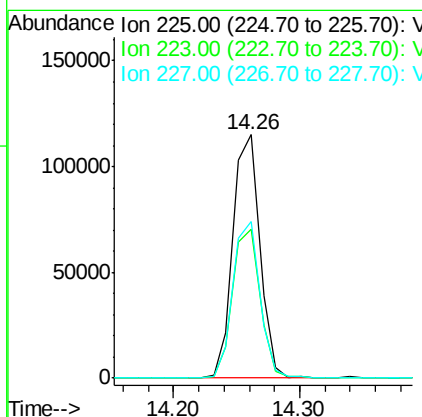
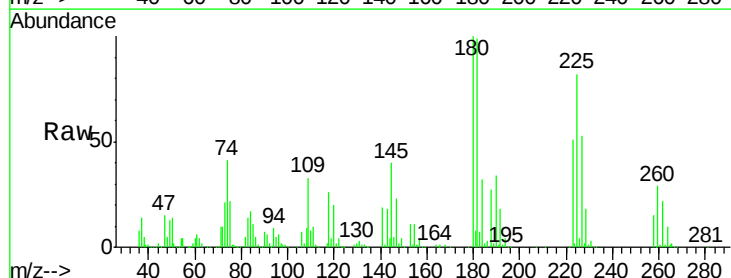
Manual Integrations
 APPROVED

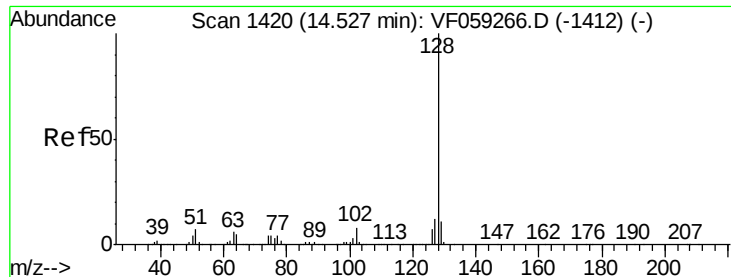
apatel
 6/22/2018 11:34:31 AM



#94
 Hexachlorobutadiene
 Concen: 58.23 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059266.D
 Acq: 21 Jun 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	169923		
223	61.4	30.7	92.1	
227	64.1	32.0	96.2	





#95

Naphthalene

Concen: 57.13 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Instrument :

MSVOA_F

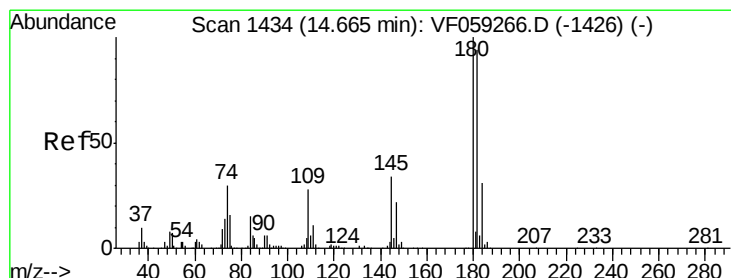
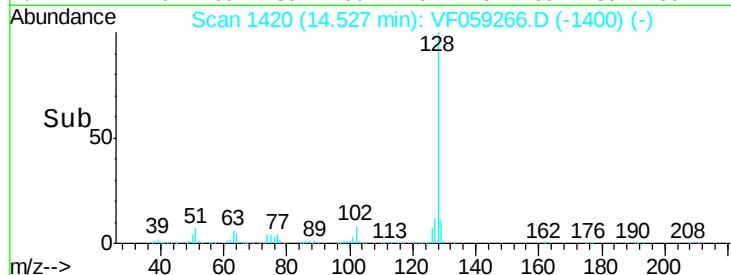
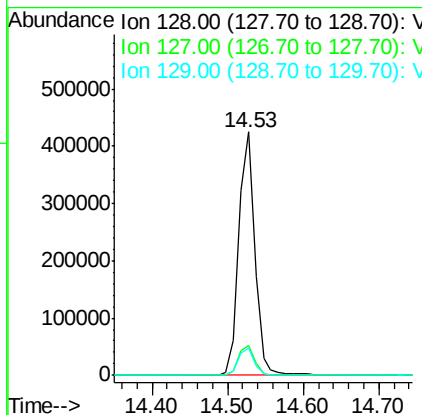
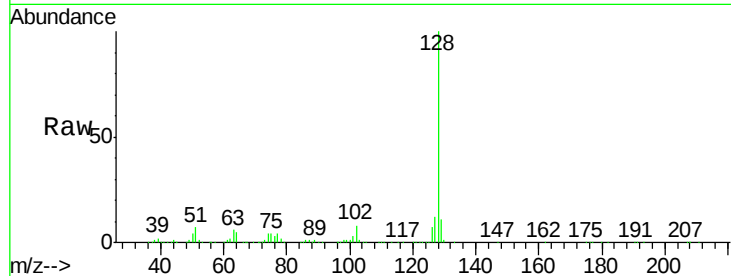
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	617625
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.6	14.4
129	11.2	9.0	13.4

Manual Integrations
APPROVED

apatel
6/22/2018 11:34:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 59.58 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059266.D

Acq: 21 Jun 2018 17:13

Tgt Ion:	180	Resp:	278734
Ion Ratio	Lower	Upper	
180	100		
182	93.8	46.9	140.7
145	33.9	17.0	50.9

