

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059304.D
 Acq On : 25 Jun 2018 16:13
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 6/26/2018 10:03:17 AM

Quant Time: Jun 26 08:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	265269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	414109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	425591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	262541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	162268	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
35) Dibromofluoromethane	4.28	113	141880	41.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.40%	
50) Toluene-d8	7.70	98	361219	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	
62) 4-Bromofluorobenzene	11.50	95	199644	41.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.97	85	121526	40.56	ug/l	100
3) Chloromethane	1.08	50	76733	40.64	ug/l	100
4) Vinyl Chloride	1.14	62	78752	42.13	ug/l	100
5) Bromomethane	1.33	94	52579	41.23	ug/l	100
6) Chloroethane	1.43	64	40014	43.72	ug/l	100
7) Trichlorofluoromethane	1.48	101	164670m	45.01	ug/l	
8) Diethyl Ether	1.69	74	37972	44.80	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89200	43.12	ug/l	100
10) Methyl Iodide	1.96	142	167285	44.09	ug/l	100
11) Tert butyl alcohol	2.67	59	58474	257.39	ug/l	100
12) 1,1-Dichloroethene	1.85	96	78031	42.13	ug/l	100
13) Acrolein	2.08	56	27625	152.52	ug/l	100
14) Allyl chloride	2.18	41	148259	43.27	ug/l	100
15) Acrylonitrile	3.06	53	100651	214.19	ug/l	100
16) Acetone	2.33	43	233585	255.94	ug/l	100
17) Carbon Disulfide	1.83	76	182213m	40.88	ug/l	
18) Methyl Acetate	2.44	43	79879	46.44	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	287591	46.12	ug/l	100
20) Methylene Chloride	2.27	84	95260m	47.87	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	79253	41.62	ug/l	100
22) Diisopropyl ether	2.91	45	322681	45.31	ug/l	100
23) Vinyl Acetate	3.32	43	1067915	234.05	ug/l	100
24) 1,1-Dichloroethane	2.99	63	197430	42.92	ug/l	100
25) 2-Butanone	4.49	43	272750	228.96	ug/l	100
26) 2,2-Dichloropropane	3.74	77	138066	43.31	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	122409	42.20	ug/l	100
28) Bromochloromethane	3.87	49	81339	42.32	ug/l	100
29) Tetrahydrofuran	4.23	42	116266	217.78	ug/l	100
30) Chloroform	4.02	83	286839	43.15	ug/l	100
31) Cyclohexane	3.84	56	128089	41.10	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	210887	42.29	ug/l	100
36) 1,1-Dichloropropene	4.44	75	169747	40.49	ug/l	100
37) Ethyl Acetate	4.28	43	123501	44.81	ug/l	100
38) Carbon Tetrachloride	4.15	117	221038m	42.74	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	153193	40.64	ug/l	100
40) Benzene	4.79	78	380040	42.38	ug/l	100
41) Methacrylonitrile	4.91	41	61497	46.87	ug/l	100
42) 1,2-Dichloroethane	5.10	62	230289	44.71	ug/l	100
43) Isopropyl Acetate	7.10	43	149838	45.18	ug/l	100
44) Trichloroethene	5.66	130	130719	42.39	ug/l	100
45) 1,2-Dichloropropane	6.39	63	108405	41.69	ug/l	100
46) Dibromomethane	6.24	93	102142	45.78	ug/l	100
47) Bromodichloromethane	6.53	83	242842	45.65	ug/l	100
48) Methyl methacrylate	6.86	41	102955	48.49	ug/l	100
49) 1,4-Dioxane	6.85	88	11468	921.77	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	564355	235.64	ug/l	100
52) Toluene	7.77	92	291573	42.03	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	218089	43.89	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	246151	46.59	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	120386	44.91	ug/l	100
56) Ethyl methacrylate	8.74	69	150865	48.98	ug/l	100
57) 1,3-Dichloropropane	8.99	76	197382	44.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	53190	217.28	ug/l	100
59) 2-Hexanone	9.62	43	467693	244.13	ug/l	100
60) Dibromochloromethane	8.85	129	191639	48.32	ug/l	100
61) 1,2-Dibromoethane	9.13	107	146448	47.08	ug/l	100
64) Tetrachloroethene	8.29	164	136687	43.06	ug/l	100
65) Chlorobenzene	9.93	112	373391	42.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	163937	44.23	ug/l	100
67) Ethyl Benzene	10.02	91	622615	41.75	ug/l	100
68) m/p-Xylenes	10.26	106	446556	83.84	ug/l	100
69) o-Xylene	10.81	106	256633	43.48	ug/l	100
70) Styrene	10.89	104	392280	43.75	ug/l	100
71) Bromoform	10.88	173	118075	44.87	ug/l	100
73) Isopropylbenzene	11.22	105	747713	42.70	ug/l	100
74) N-amyl acetate	11.45	43	276080	47.27	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	193098	46.06	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	141654	46.22	ug/l	100
77) Bromobenzene	11.58	156	203948	42.99	ug/l	100
78) n-propylbenzene	11.68	91	852931	41.37	ug/l	100
79) 2-Chlorotoluene	11.81	91	518329	41.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	634644	42.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	86166	44.48	ug/l	100
82) 4-Chlorotoluene	11.99	91	577914	43.10	ug/l	100
83) tert-Butylbenzene	12.21	119	652566	43.70	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	675679	43.19	ug/l	100
85) sec-Butylbenzene	12.38	105	856917	42.72	ug/l	100
86) p-Isopropyltoluene	12.53	119	719727	43.75	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	365900	42.97	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	354130	42.24	ug/l	100
89) n-Butylbenzene	12.91	91	700478	41.89	ug/l	100
90) Hexachloroethane	12.99	117	178682	43.13	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	374534	43.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	44396	49.03	ug/l	100

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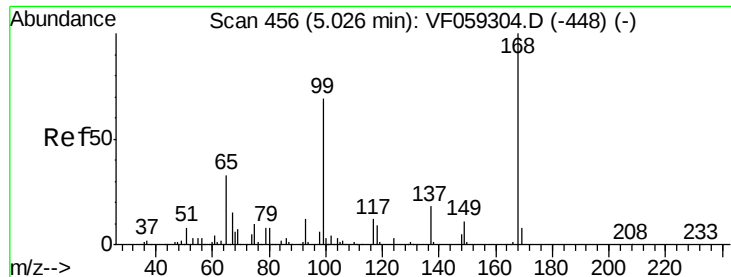
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285485	46.12	ug/l	100
94) Hexachlorobutadiene	14.25	225	154575	42.67	ug/l	100
95) Naphthalene	14.52	128	631108	49.46	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	276912	47.56	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 265269

Ion Ratio Lower Upper

168 100

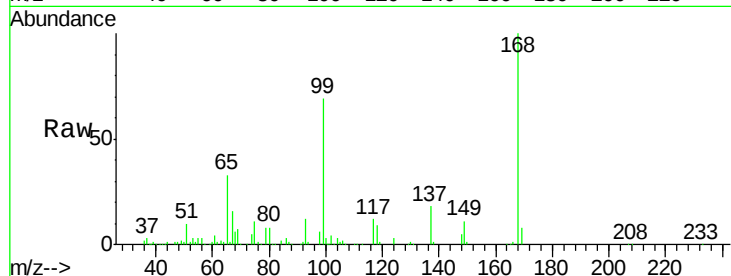
99 68.6 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

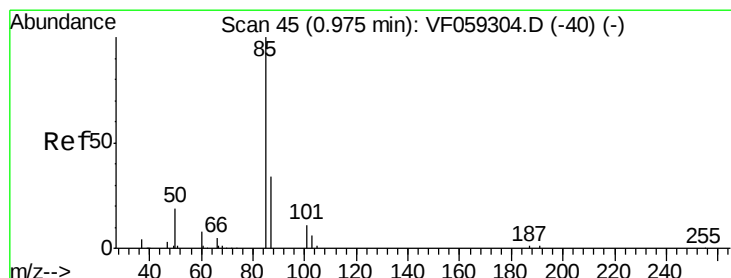
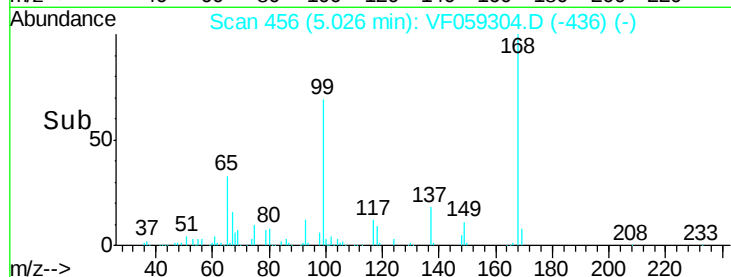
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 40.56 ug/l

RT: 0.97 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059304.D

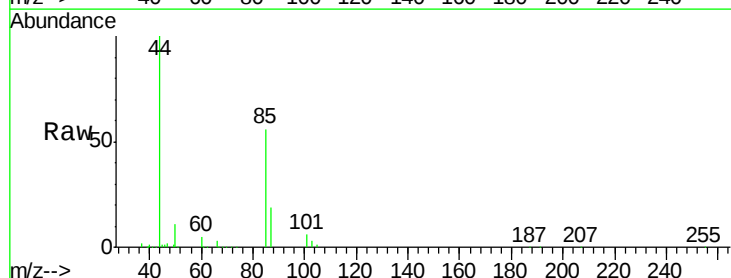
Acq: 25 Jun 2018 16:13

Tgt Ion: 85 Resp: 121526

Ion Ratio Lower Upper

85 100

87 34.2 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

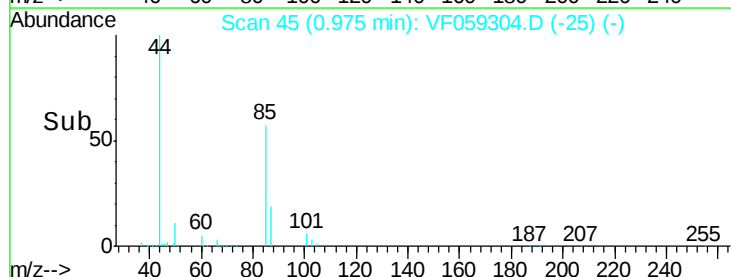
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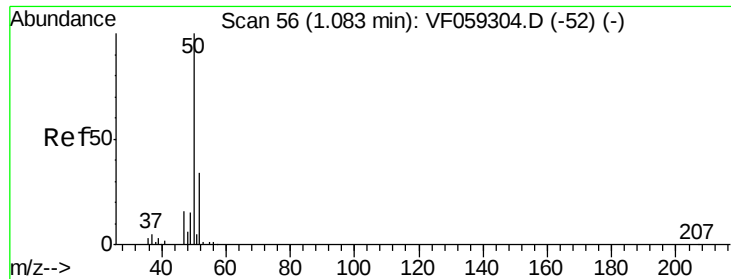
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 40.64 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 76733

Ion Ratio Lower Upper

50 100

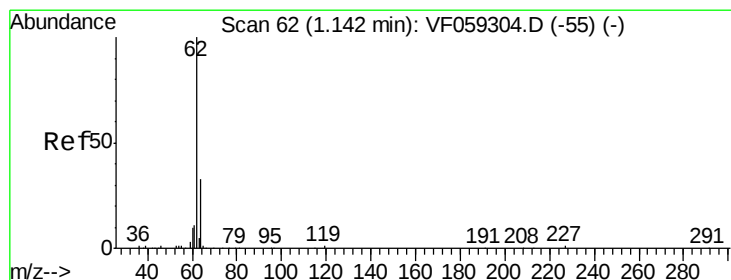
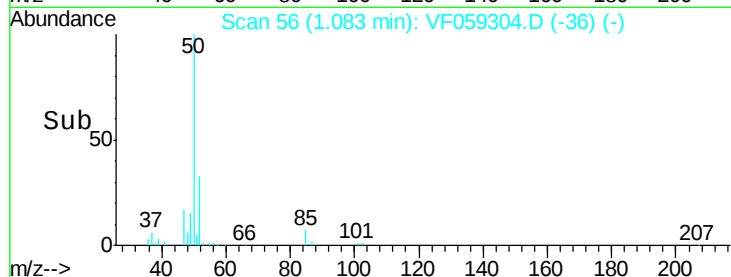
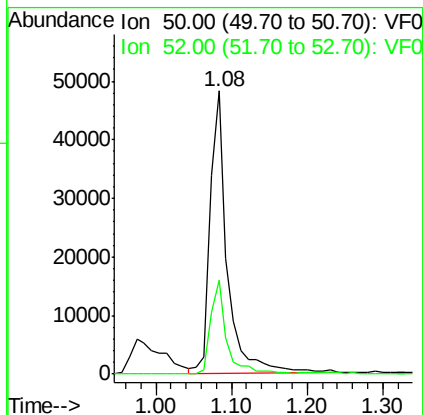
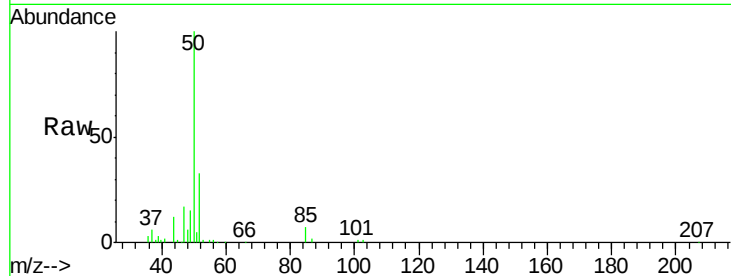
52 33.4 26.7 40.1

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#4

Vinyl Chloride

Concen: 42.13 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059304.D

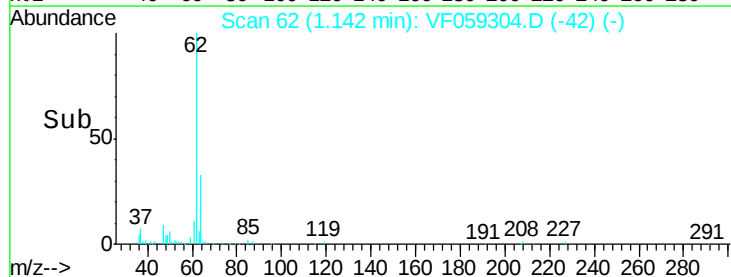
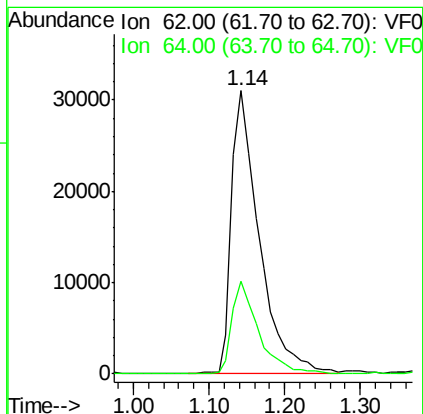
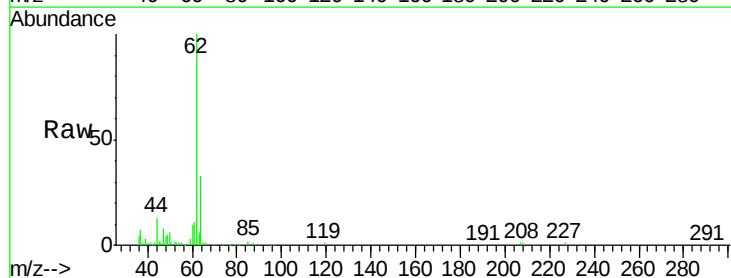
Acq: 25 Jun 2018 16:13

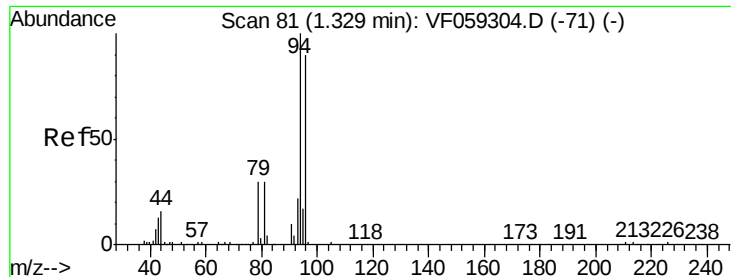
Tgt Ion: 62 Resp: 78752

Ion Ratio Lower Upper

62 100

64 32.9 26.3 39.5





#5

Bromomethane

Concen: 41.23 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 52579

Ion Ratio Lower Upper

94 100

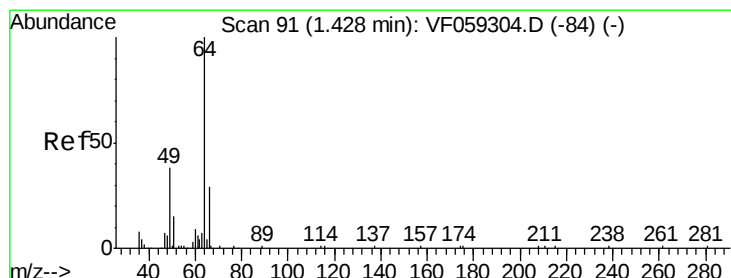
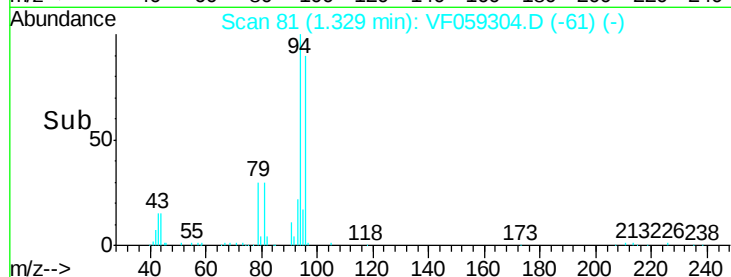
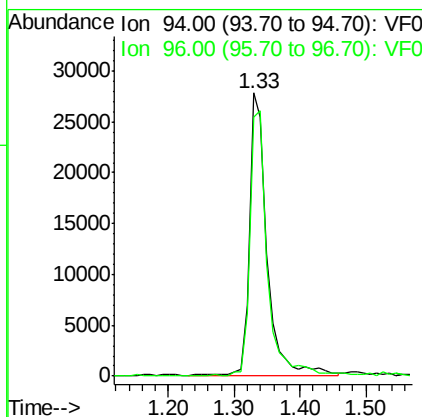
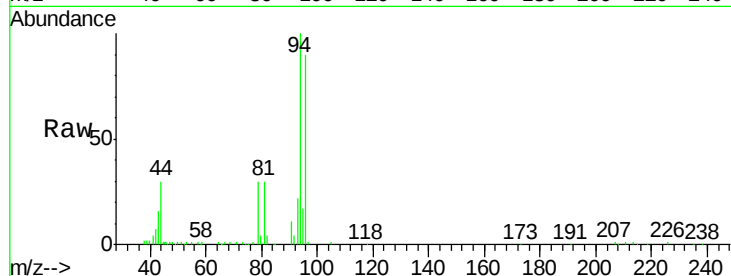
96 91.7 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 43.72 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059304.D

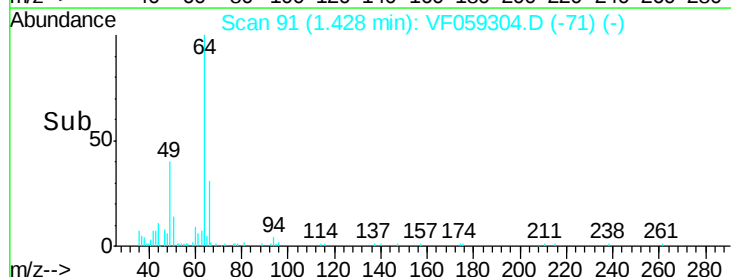
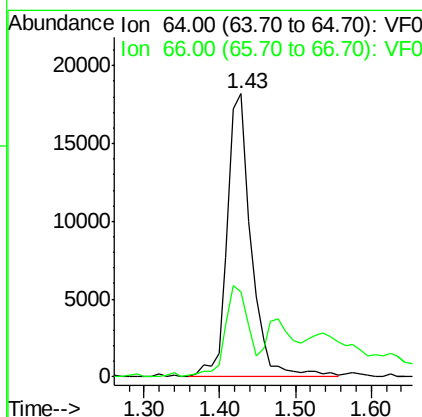
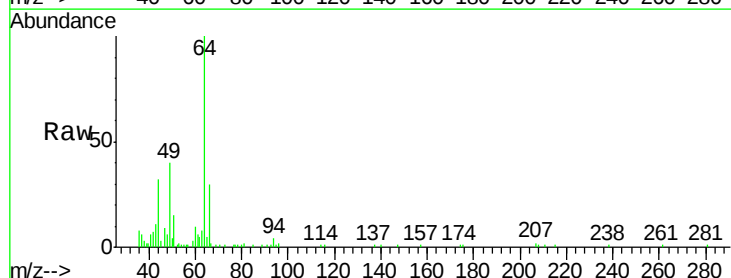
Acq: 25 Jun 2018 16:13

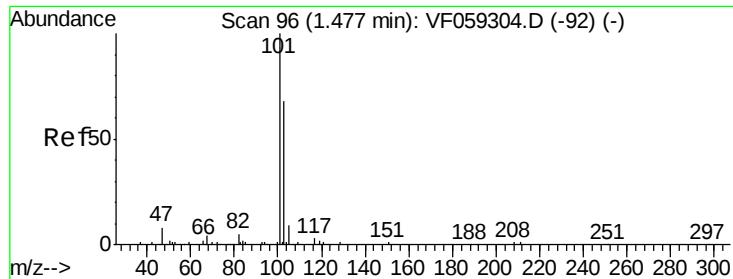
Tgt Ion: 64 Resp: 40014

Ion Ratio Lower Upper

64 100

66 29.9 23.9 35.9





#7

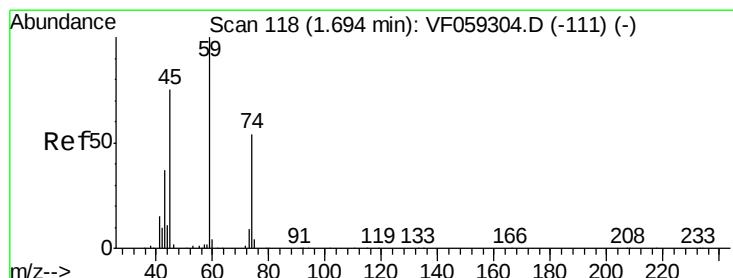
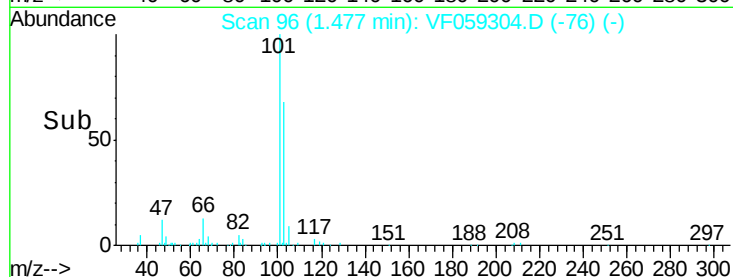
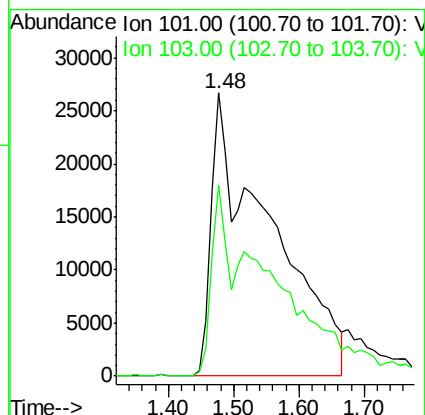
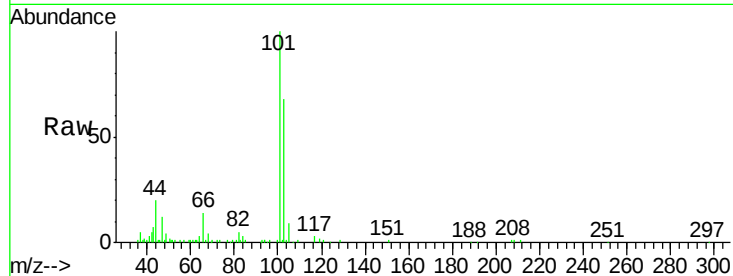
Trichlorofluoromethane
Concen: 45.01 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

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Tot Ion	Ion	Ratio	Lower	Upper
101	101	100		
103	103	67.7	54.2	81.2

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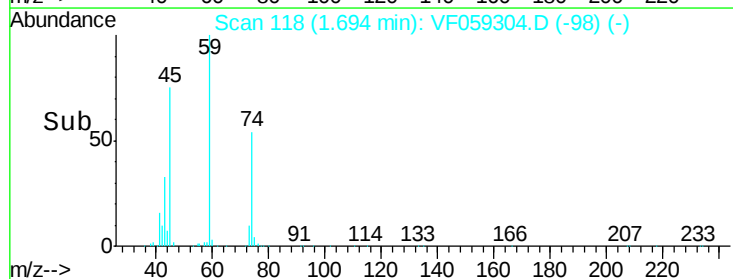
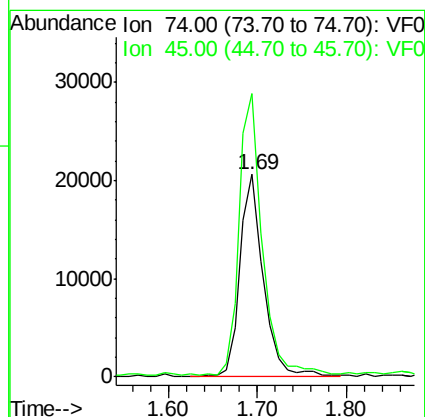
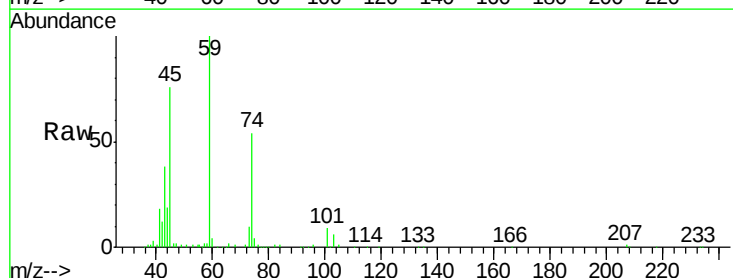
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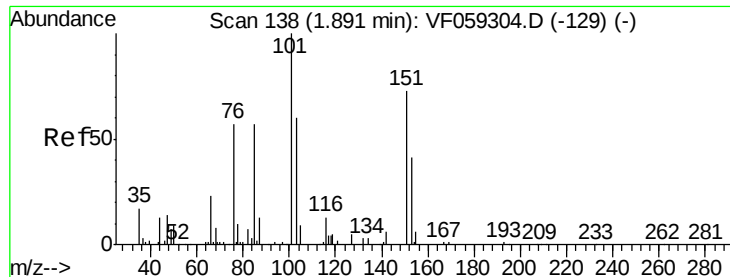


#8

Diethyl Ether
Concen: 44.80 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
74	74	100		
45	45	140.0	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.12 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

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MSVOA_F

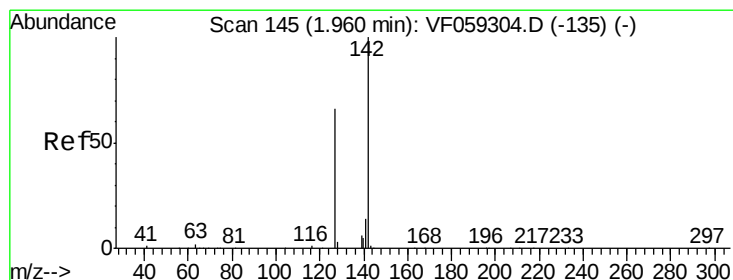
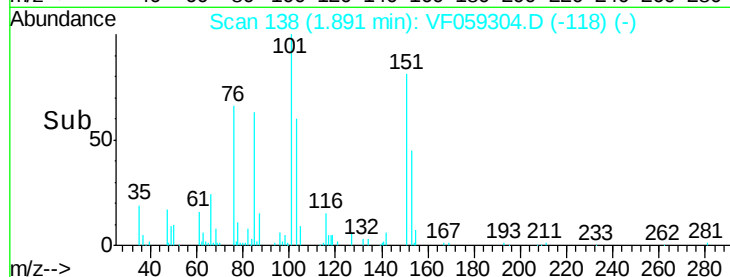
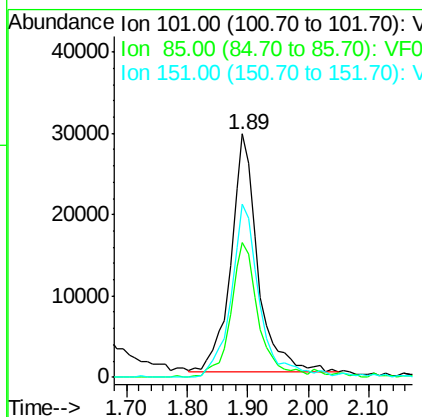
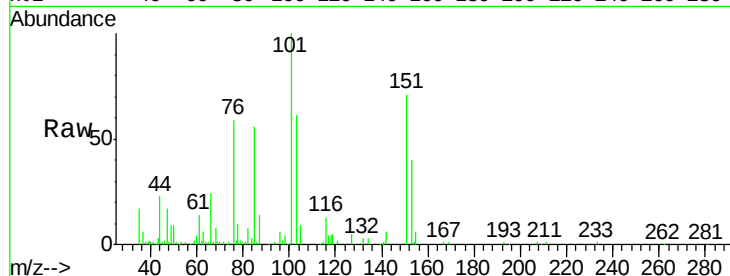
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	89200
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	71.0	56.8	85.2

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#10

Methyl Iodide

Concen: 44.09 ug/l

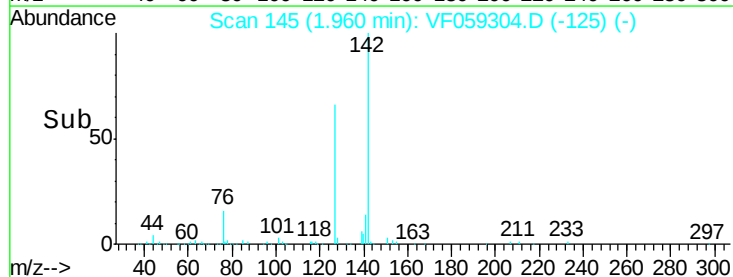
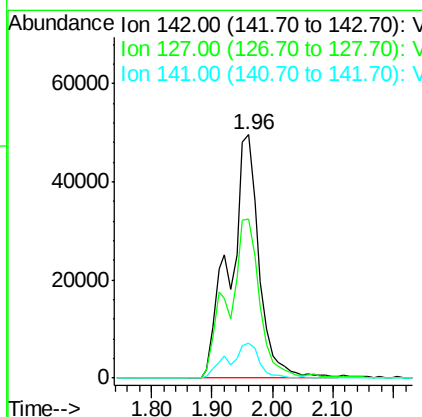
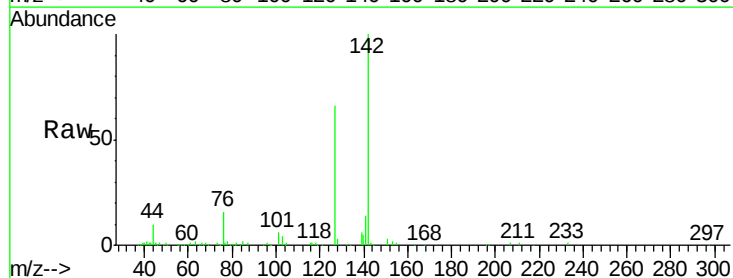
RT: 1.96 min Scan# 145

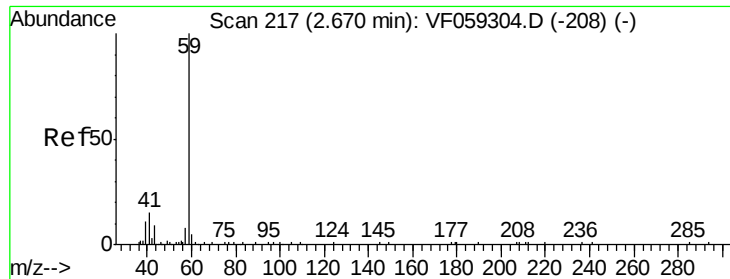
Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion:	142	Resp:	167285
Ion Ratio	Lower	Upper	
142	100		
127	65.6	52.5	78.7
141	14.4	11.5	17.3





#11

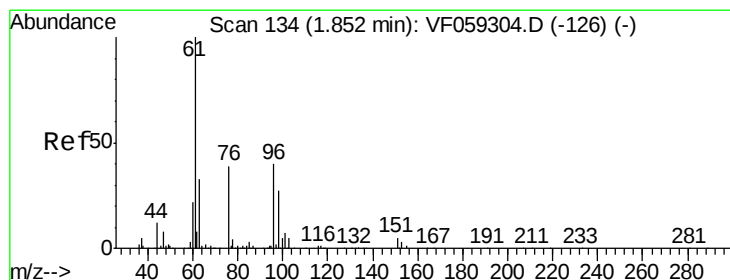
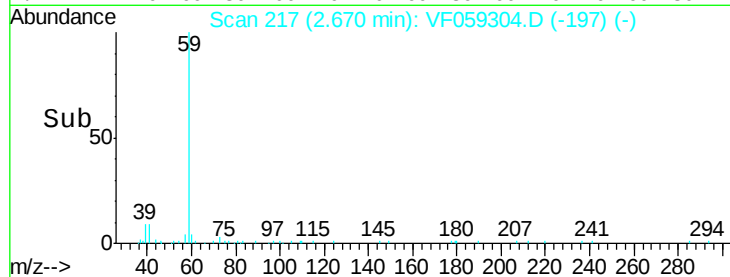
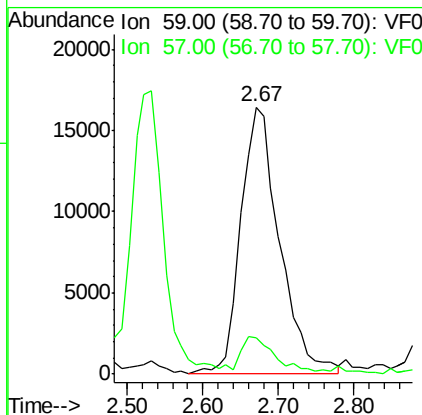
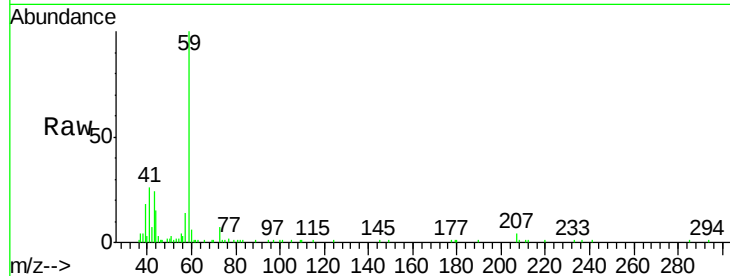
Tert butyl alcohol
Concen: 257.39 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.7	11.0	16.4

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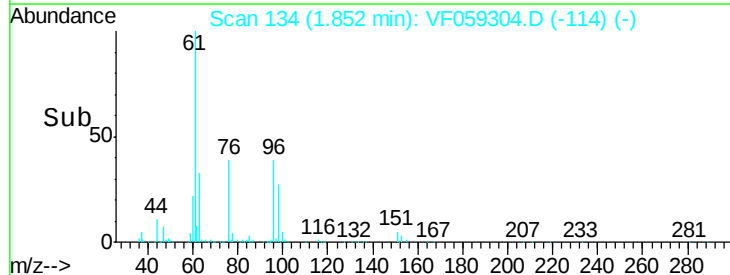
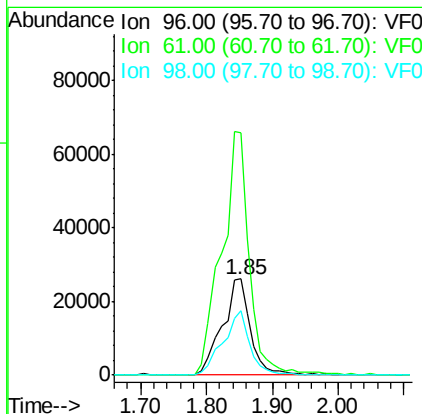
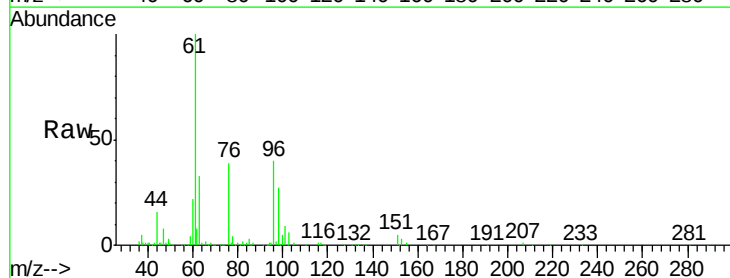
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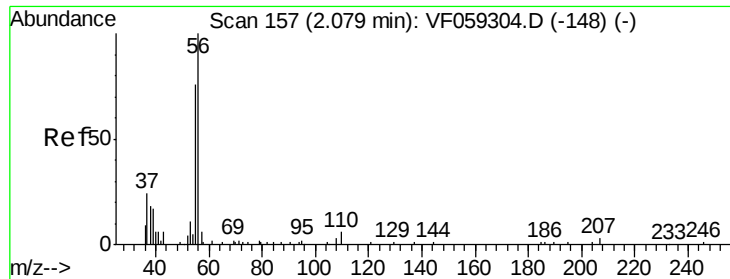


#12

1,1-Dichloroethene
Concen: 42.13 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	251.4	201.1	301.7
98	67.4	53.9	80.9





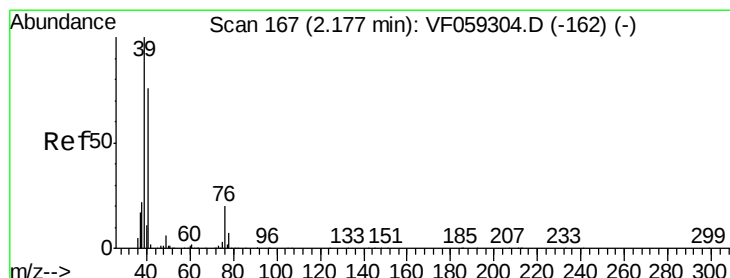
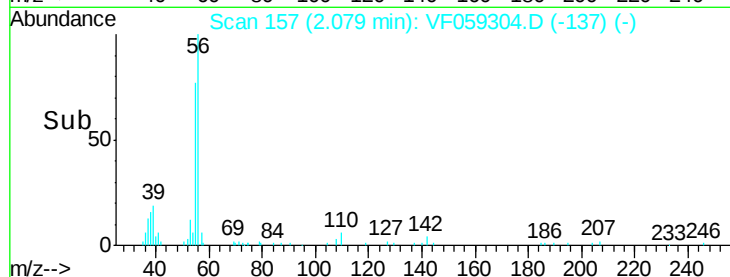
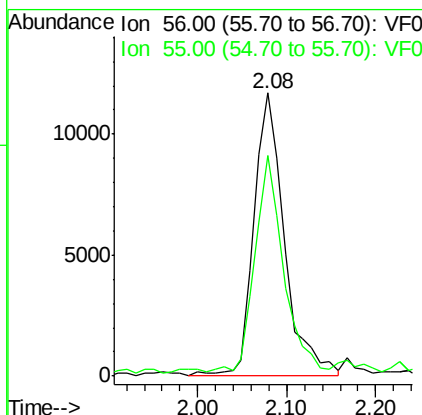
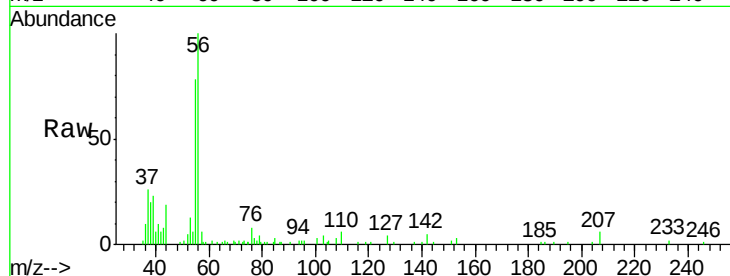
#13
Acrolein
Concen: 152.52 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	27625
Ion Ratio	100	Lower	Upper
55	78.0	62.4	93.6

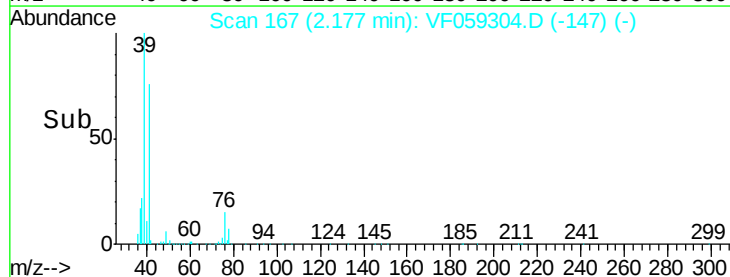
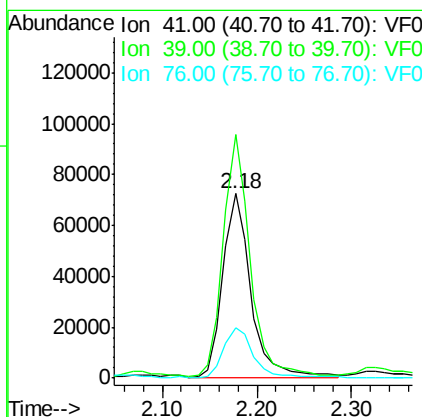
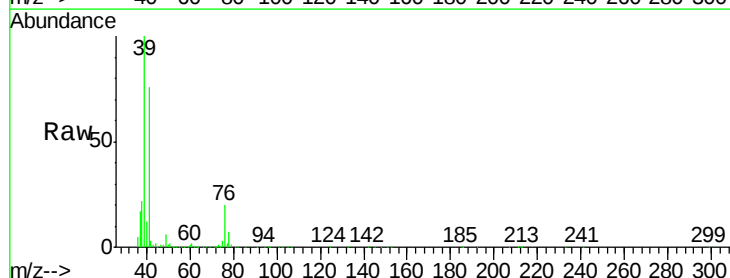
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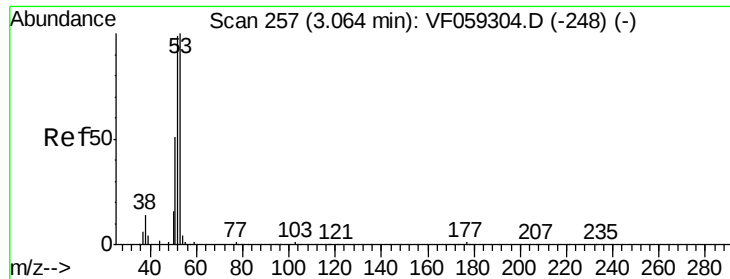
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#14
Allyl chloride
Concen: 43.27 ug/l
RT: 2.18 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	41	Resp	148259
Ion Ratio	100	Lower	Upper
39	132.0	105.6	158.4
76	27.0	21.6	32.4





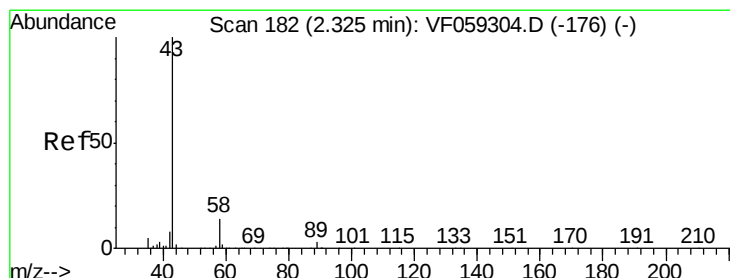
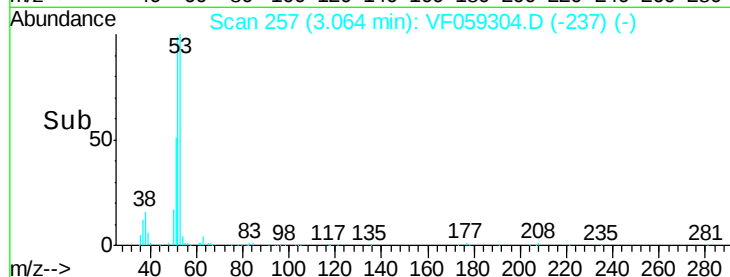
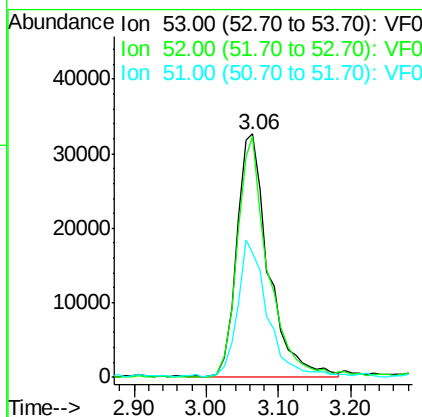
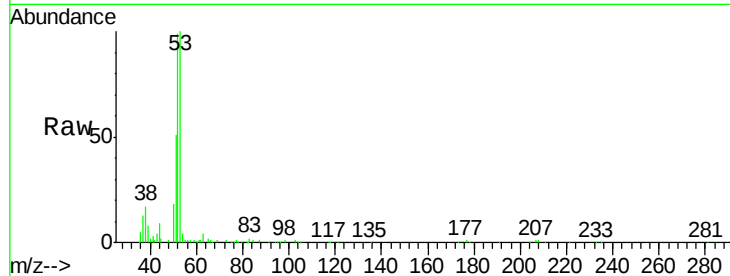
#15
 Acrylonitrile
 Concen: 214.19 ug/l
 RT: 3.06 min Scan# 257
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	99.0	79.2	118.8
51	51.1	40.9	61.3

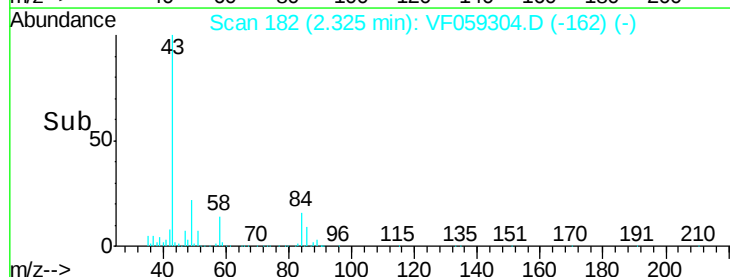
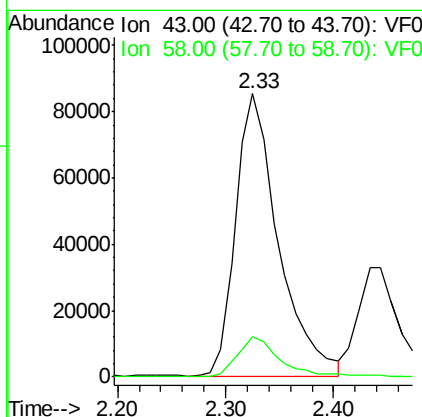
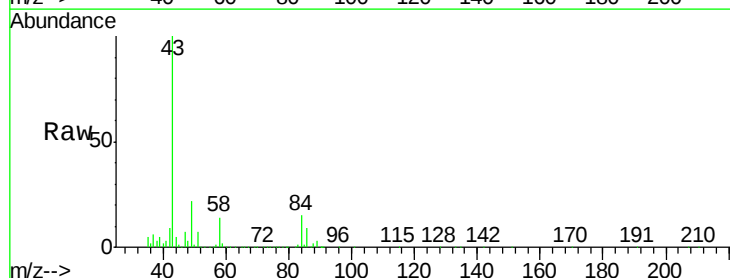
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#16
 Acetone
 Concen: 255.94 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.2	11.4	17.0





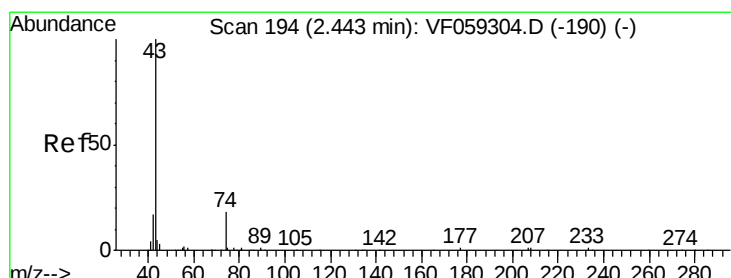
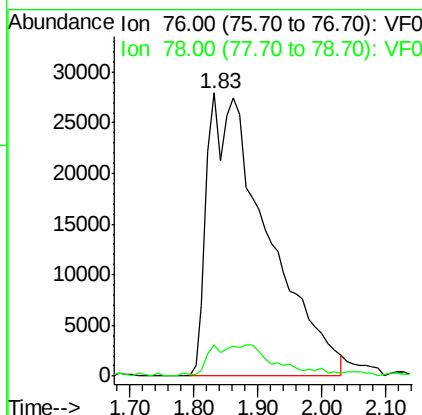
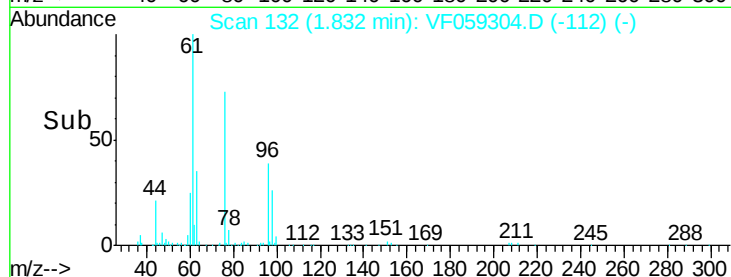
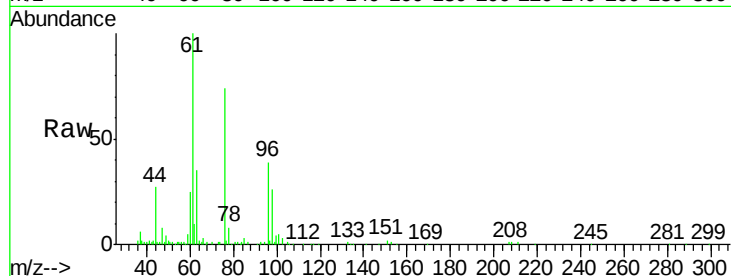
#17
Carbon Disulfide
Concen: 40.88 ug/l m
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.1	8.9	13.3

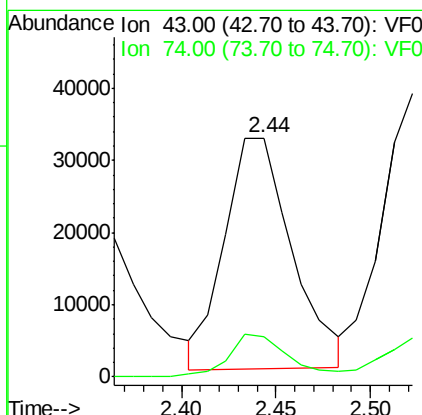
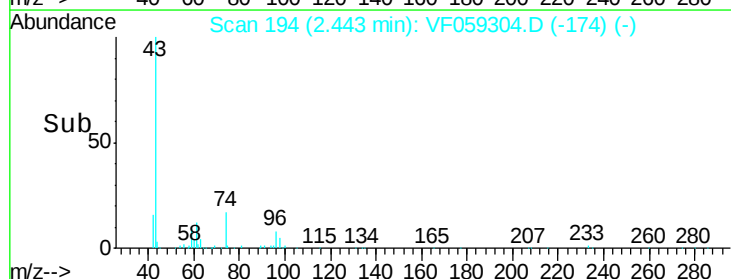
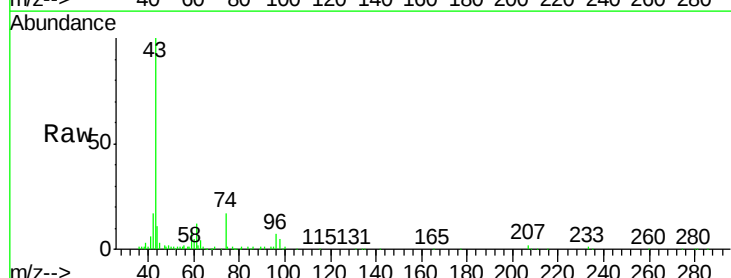
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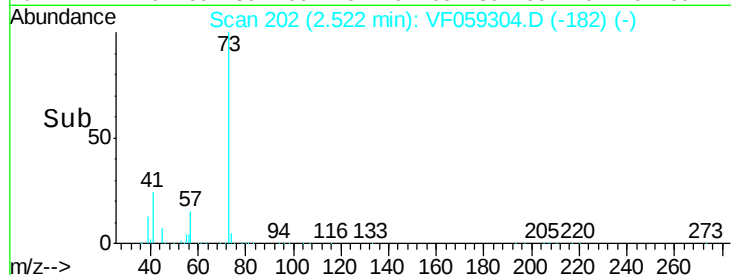
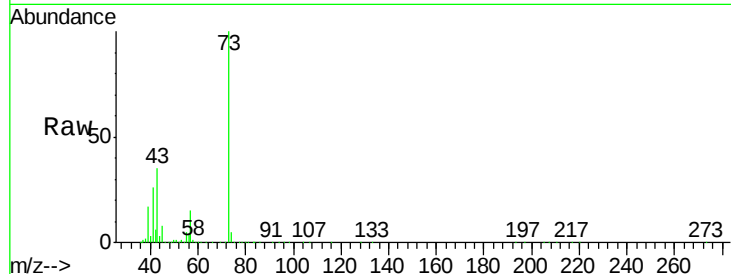
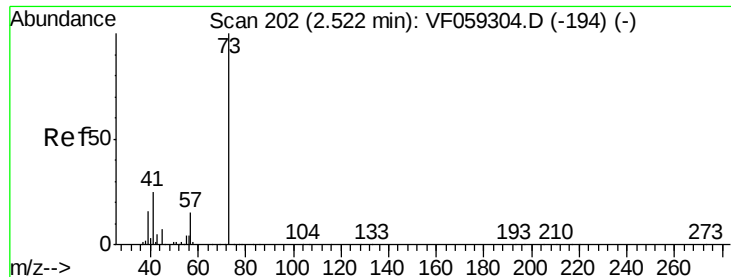
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#18
Methyl Acetate
Concen: 46.44 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	13.3	19.9





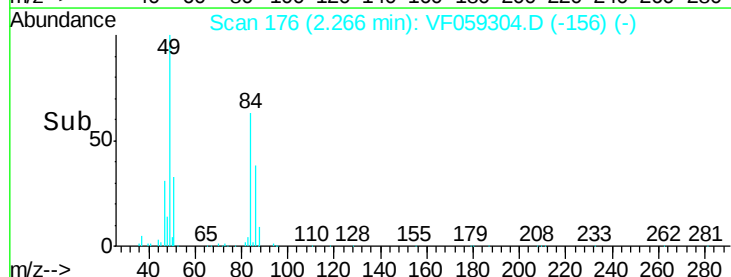
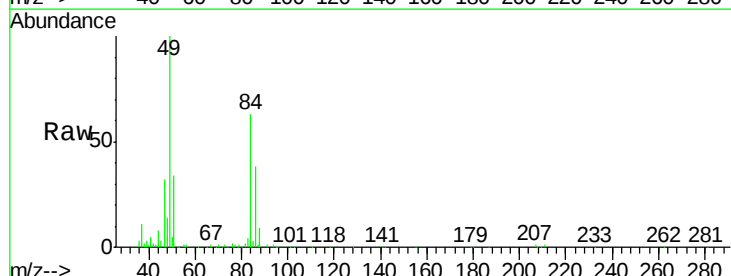
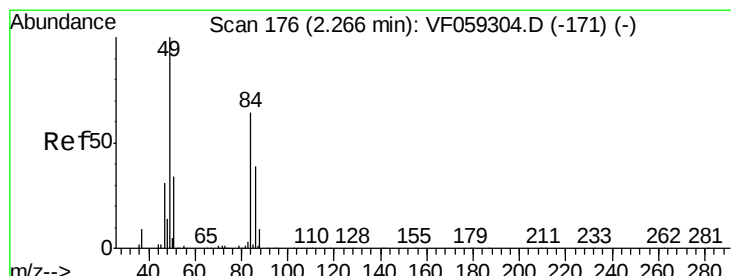
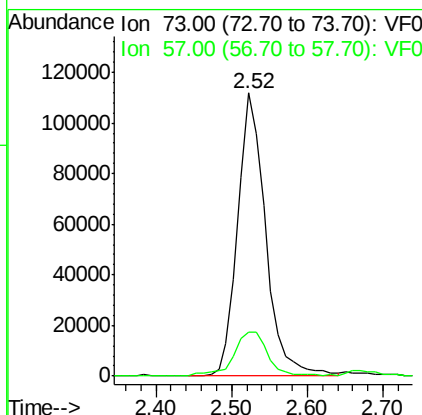
#19
Methvl tert-butvl Ether
Concen: 46.12 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.4	12.3	18.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

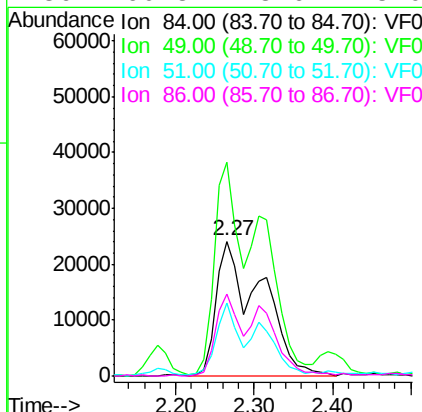
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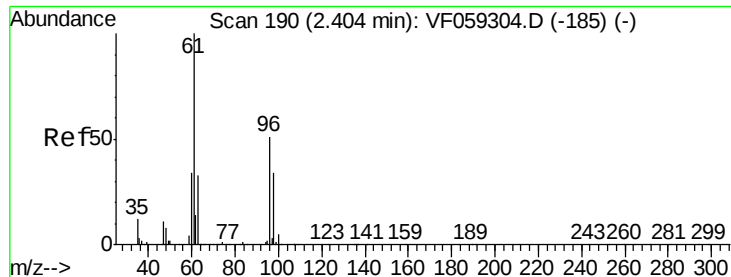
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#20
Methylene Chloride
Concen: 47.87 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.1	126.5	189.7
51	53.6	42.9	64.3
86	60.8	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 41.62 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

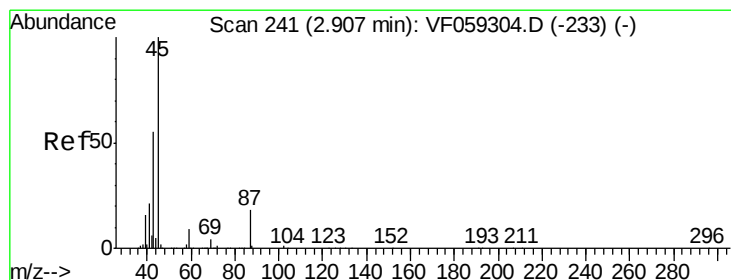
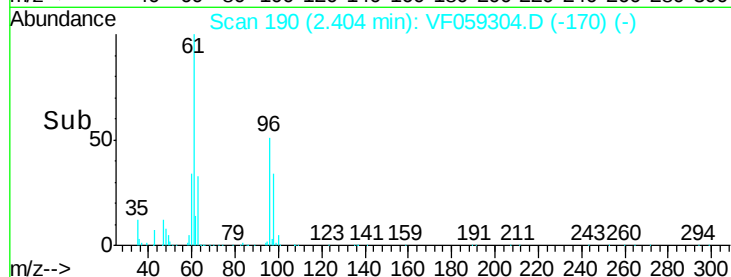
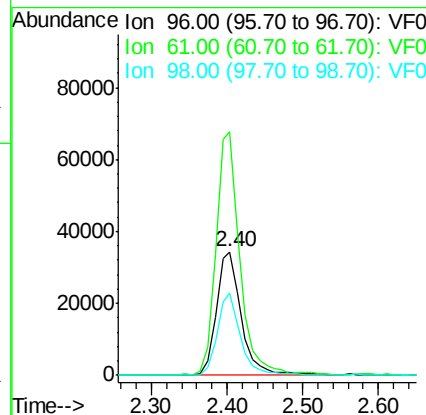
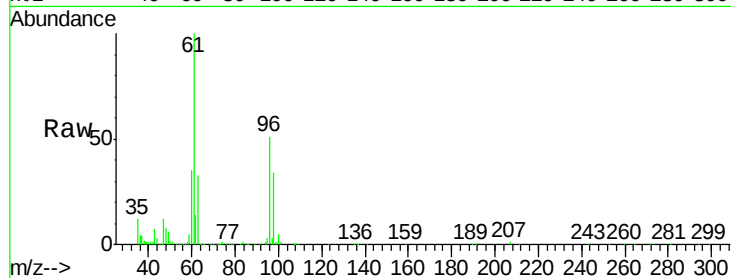
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	79253
Ion Ratio	Lower	Upper	
96	100		
61	196.8	157.4	236.2
98	67.1	53.7	80.5

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#22

Diisopropyl ether

Concen: 45.31 ug/l

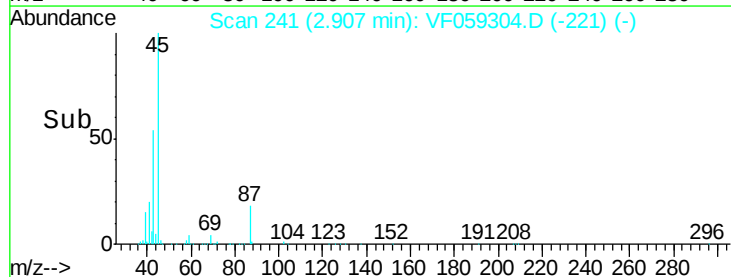
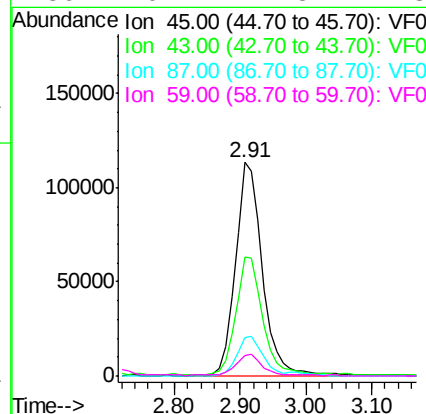
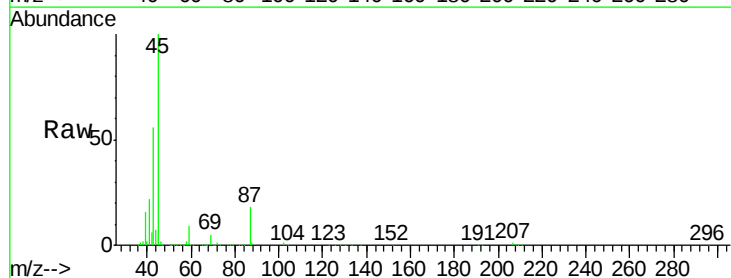
RT: 2.91 min Scan# 241

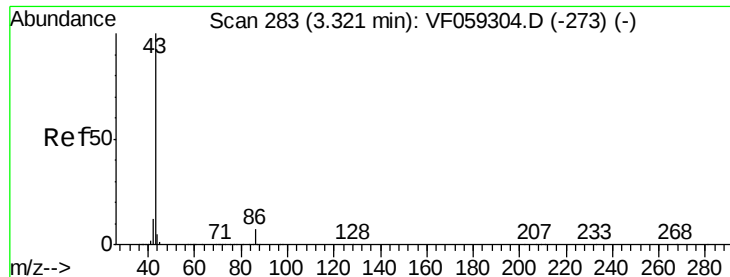
Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion:	45	Resp:	322681
Ion Ratio	Lower	Upper	
45	100		
43	55.7	44.6	66.8
87	17.9	14.3	21.5
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 234.05 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1067915

Ion Ratio Lower Upper

43 100

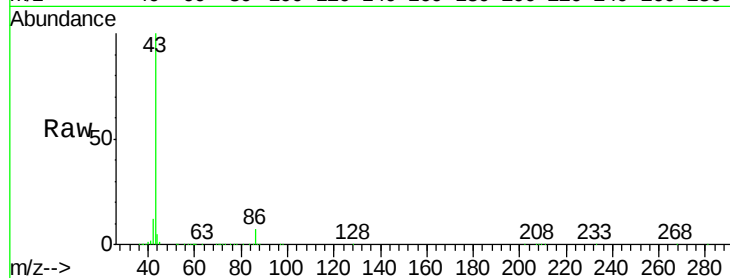
86 7.2 5.8 8.6

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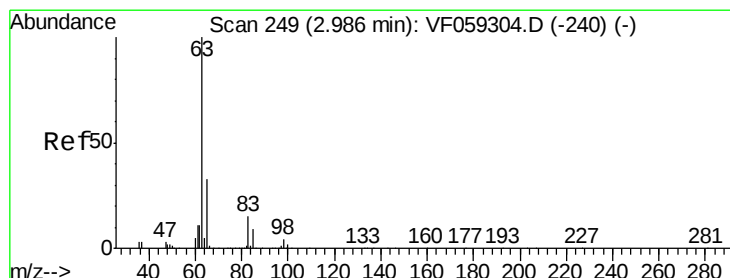
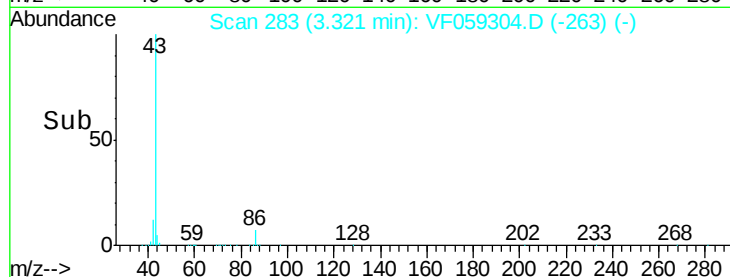
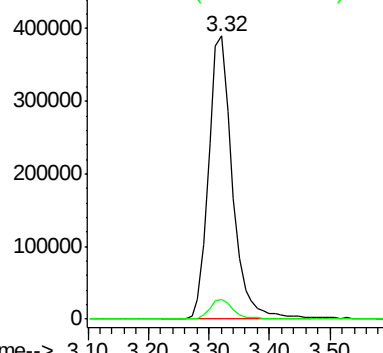
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 42.92 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

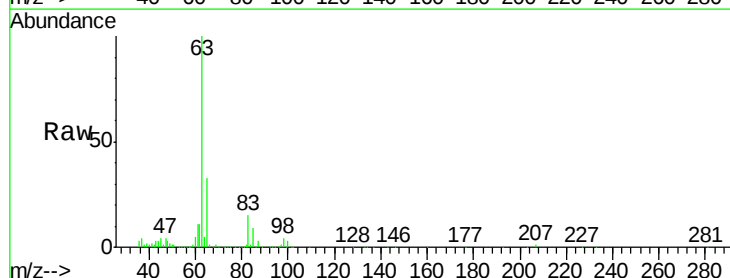
Tgt Ion: 63 Resp: 197430

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

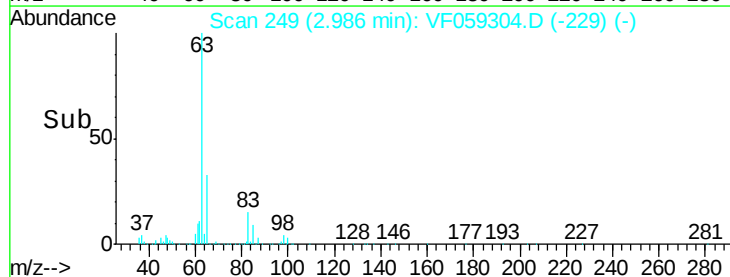
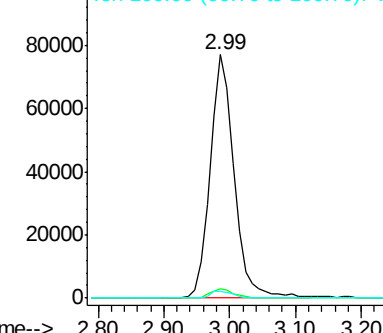
100 2.6 1.3 3.9

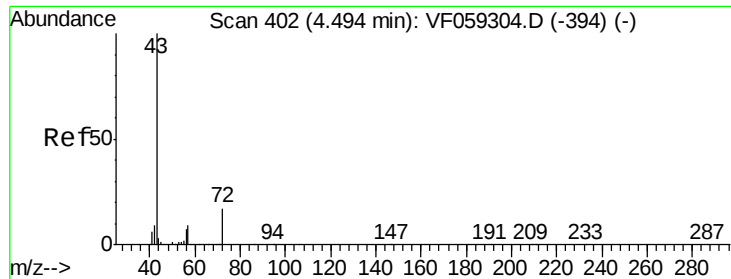


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 228.96 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 272750

Ion Ratio Lower Upper

43 100

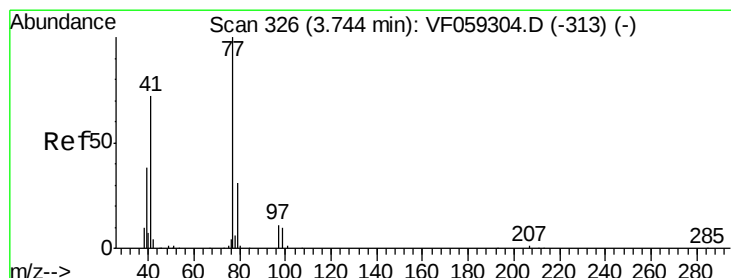
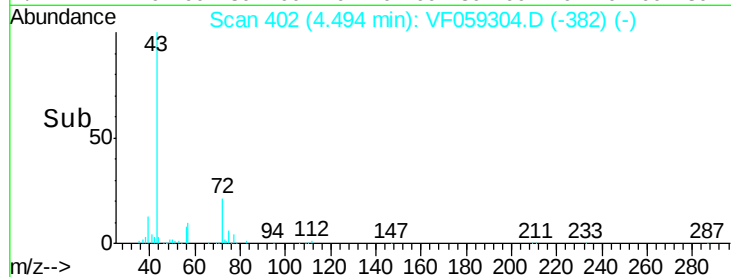
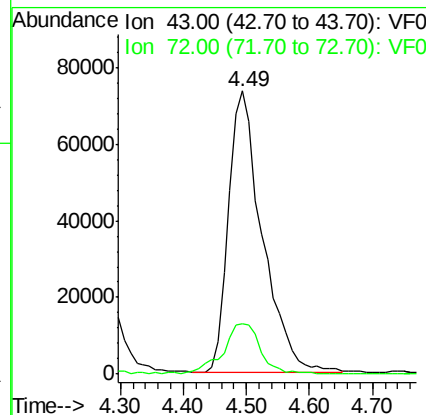
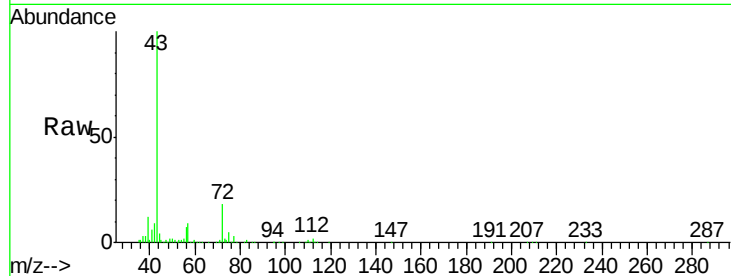
72 18.0 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 43.31 ug/l

RT: 3.74 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF059304.D

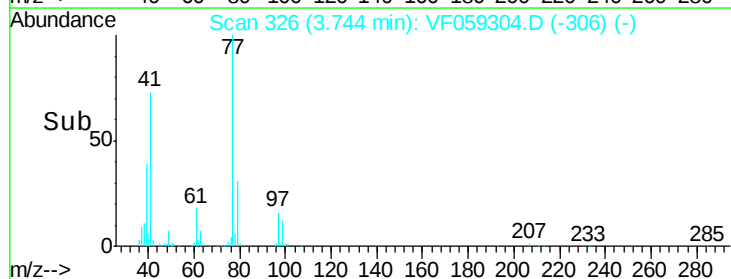
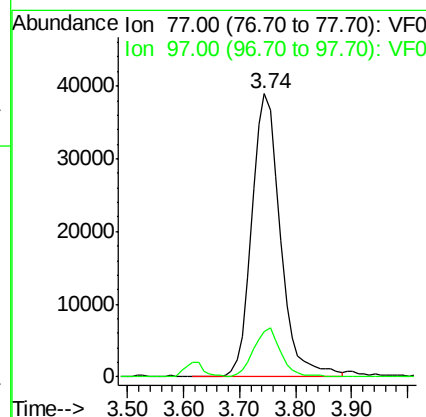
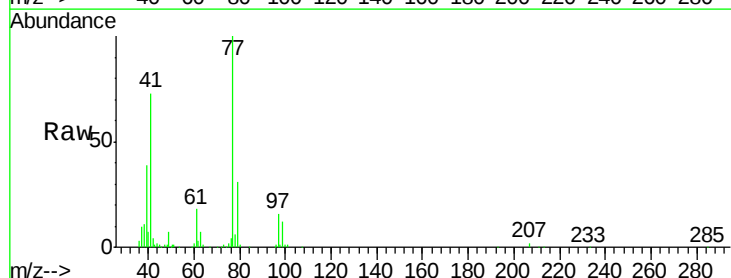
Acq: 25 Jun 2018 16:13

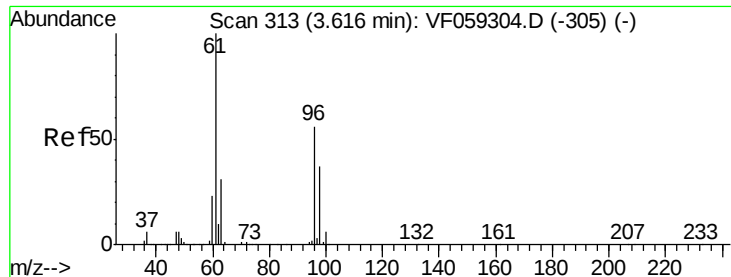
Tgt Ion: 77 Resp: 138066

Ion Ratio Lower Upper

77 100

97 15.9 8.0 23.8





#27

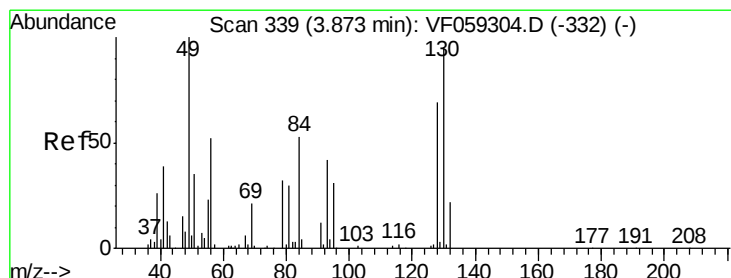
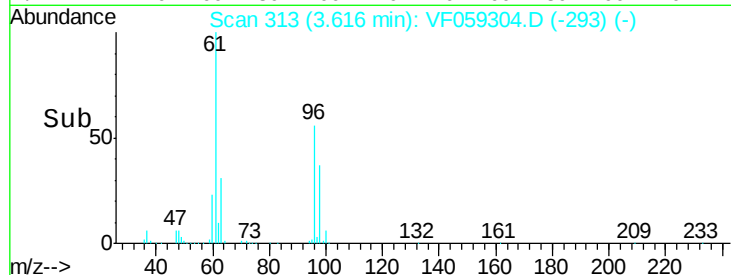
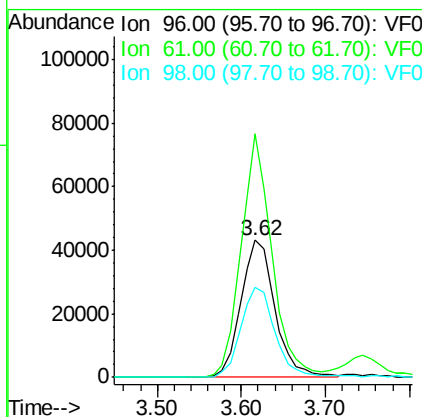
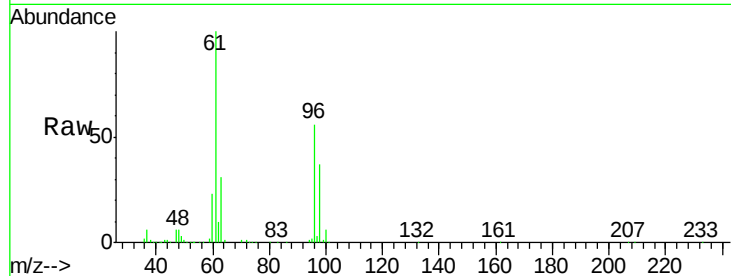
cis-1,2-Dichloroethene
Concen: 42.20 ug/l
RT: 3.62 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		122409		
61	177.7	0.0	355.4		
98	65.5	0.0	131.0		

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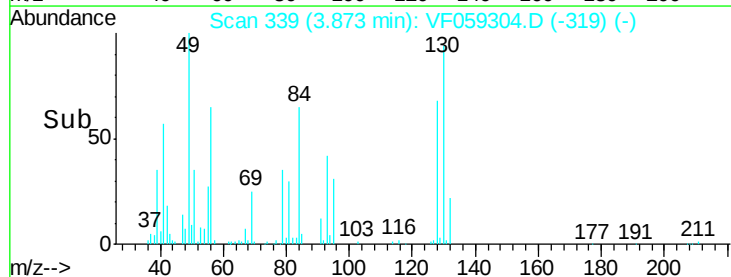
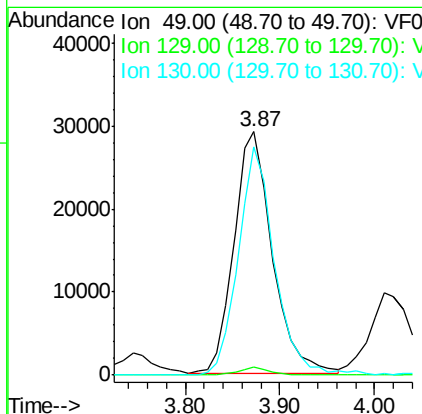
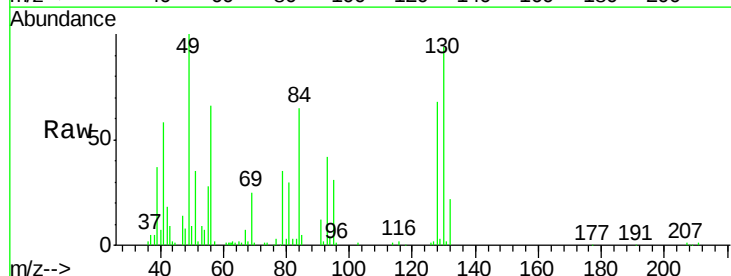
apatel
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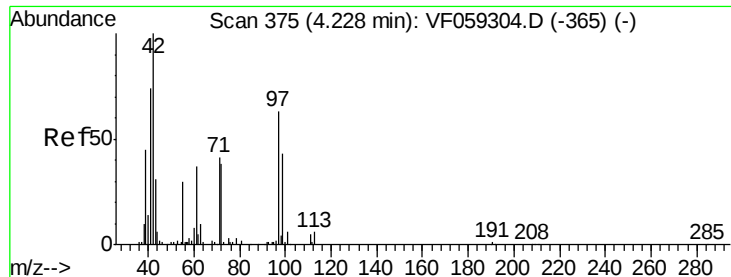


#28

Bromochloromethane
Concen: 42.32 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		81339		
129	3.2	0.0	6.4		
130	93.9	75.1	112.7		





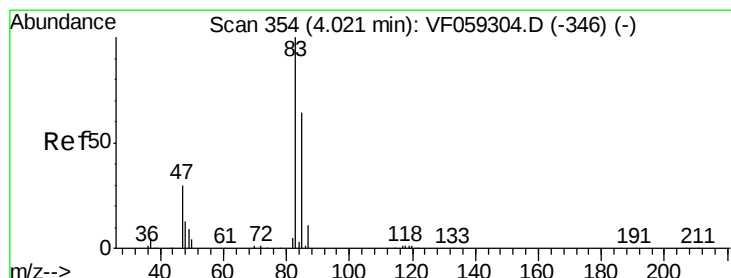
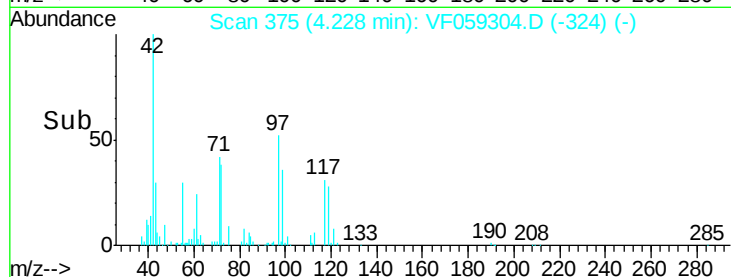
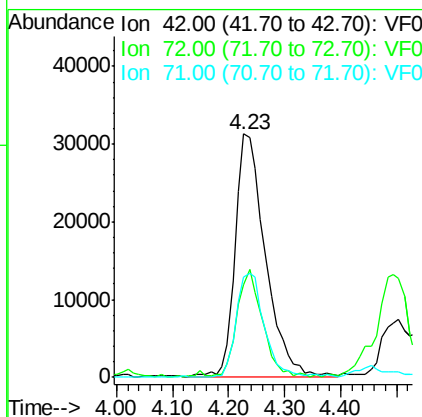
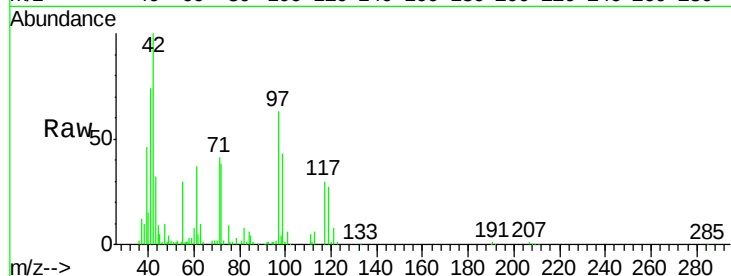
#29
Tetrahydrofuran
Concen: 217.78 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.5	45.7
71	40.6	32.5	48.7

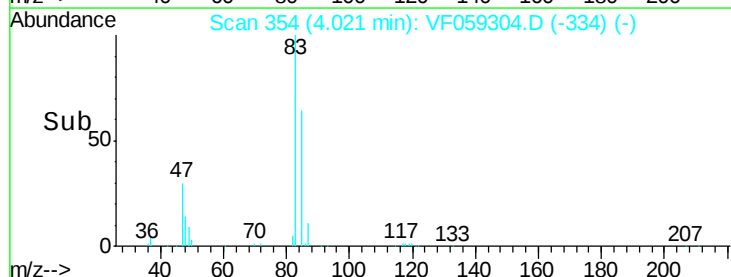
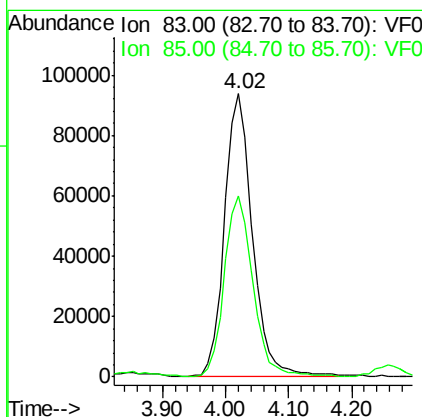
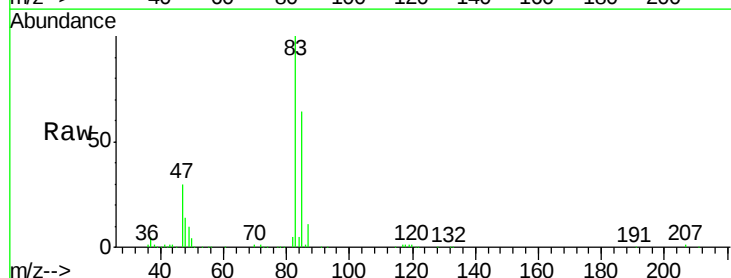
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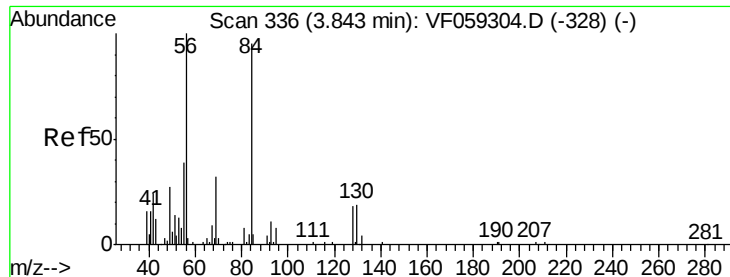
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#30
Chloroform
Concen: 43.15 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





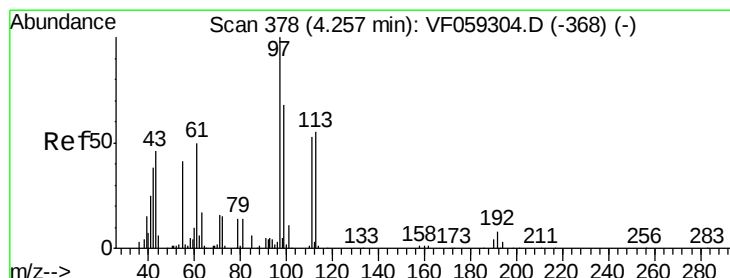
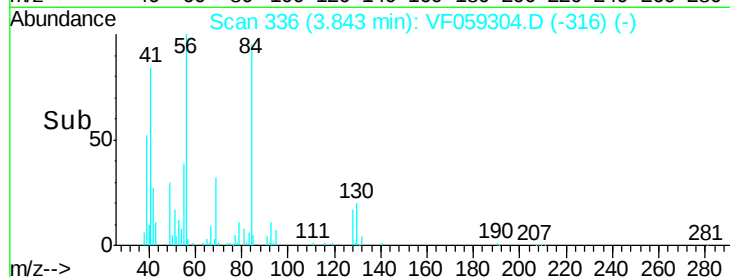
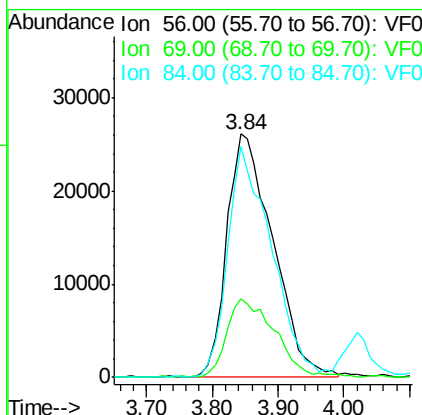
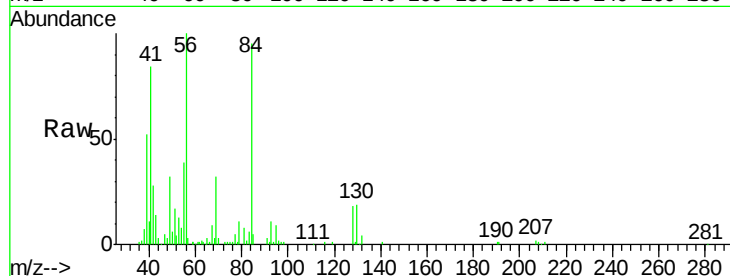
#31
Cyclohexane
Concen: 41.10 ug/l
RT: 3.84 min Scan# 336
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.3	25.8	38.8	
84	94.5	75.6	113.4	

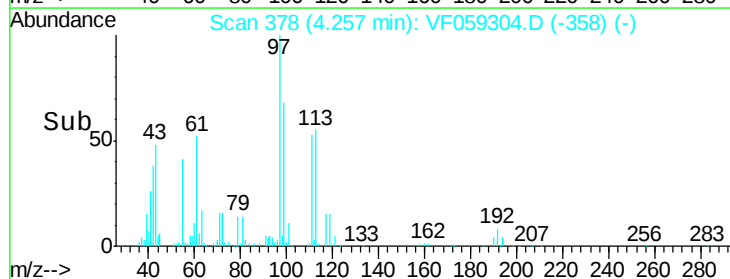
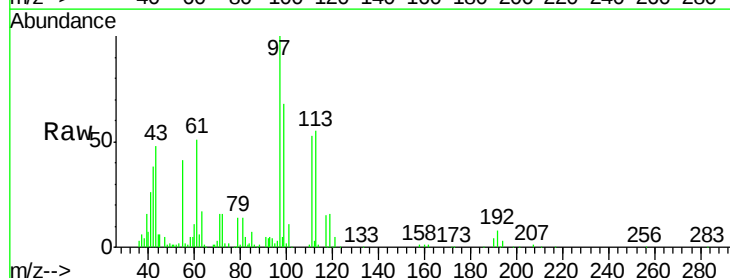
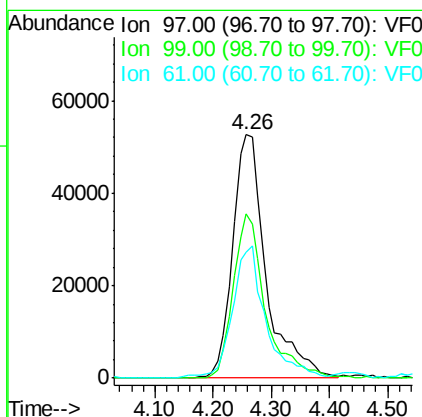
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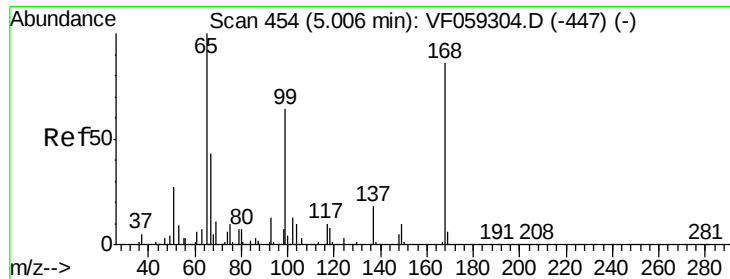
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#32
1,1,1-Trichloroethane
Concen: 42.29 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	67.6	54.1	81.1	
61	51.5	41.2	61.8	





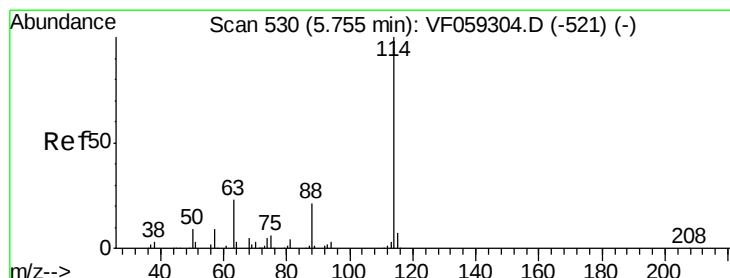
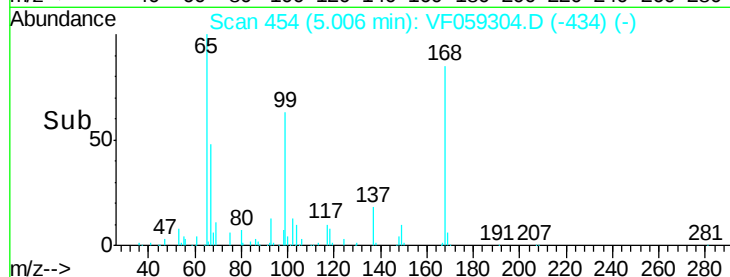
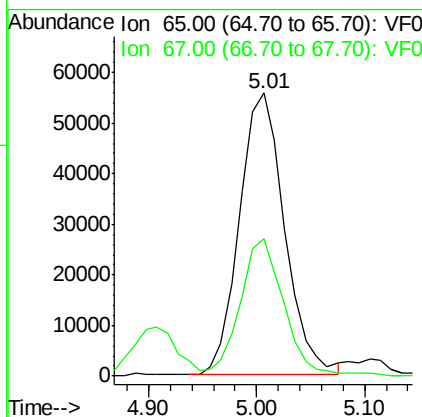
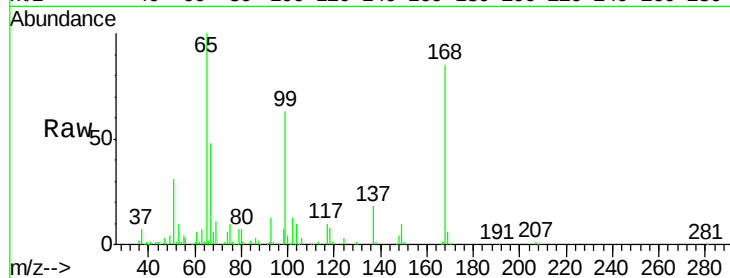
#33
 1,2-Dichloroethane-d4
 Concen: 43.39 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	96.8

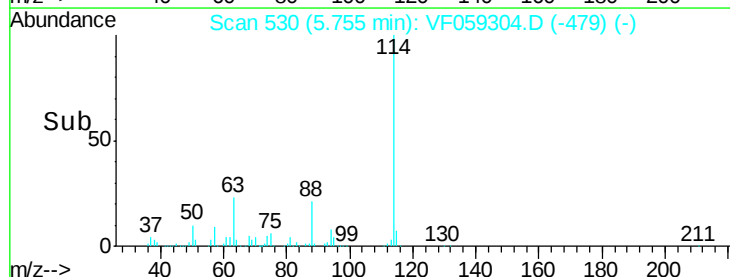
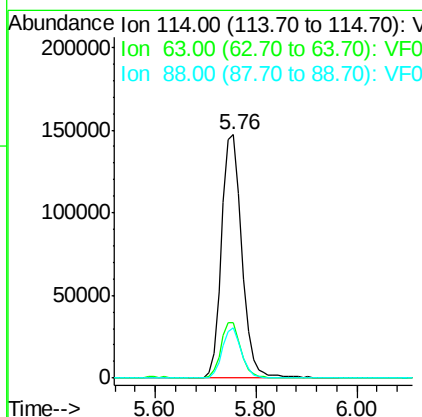
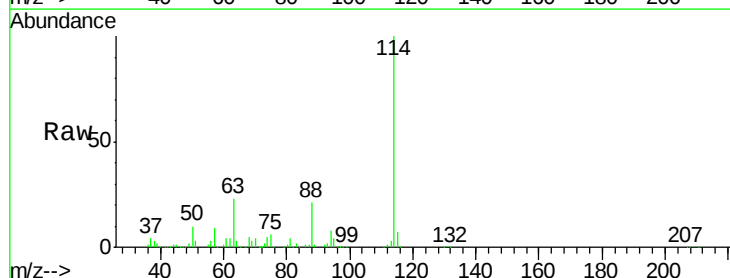
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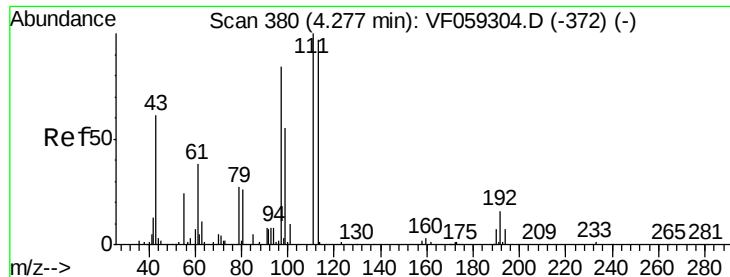
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.8
88	20.6	0.0	41.2





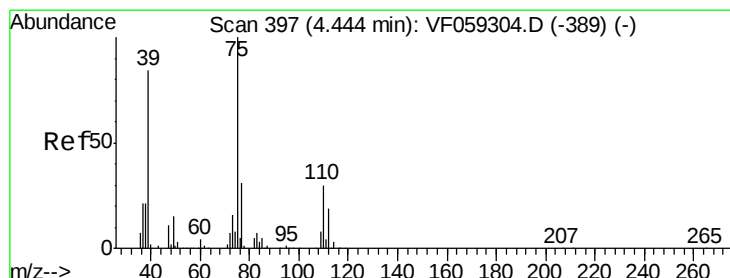
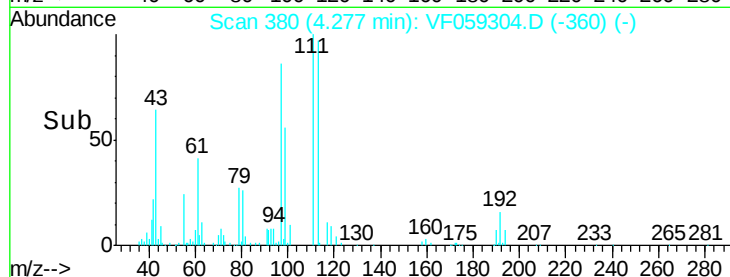
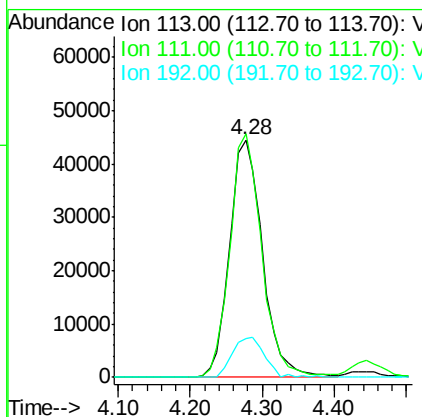
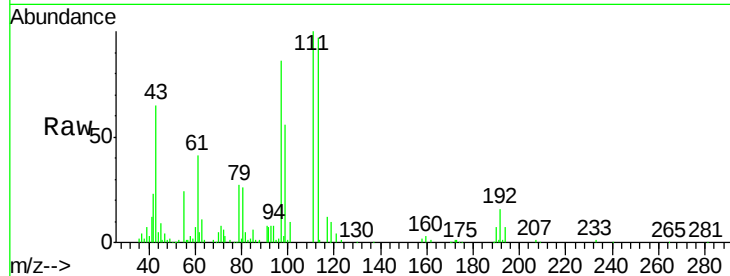
#35
 Dibromofluoromethane
 Concen: 41.70 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	16.3	13.0	19.6

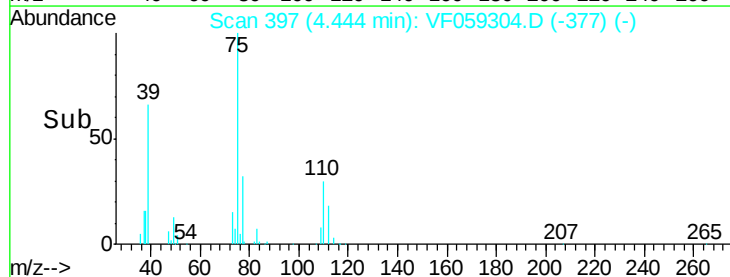
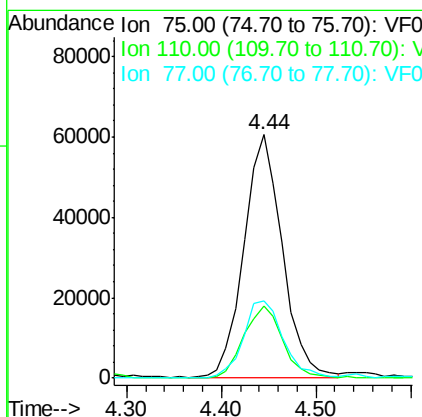
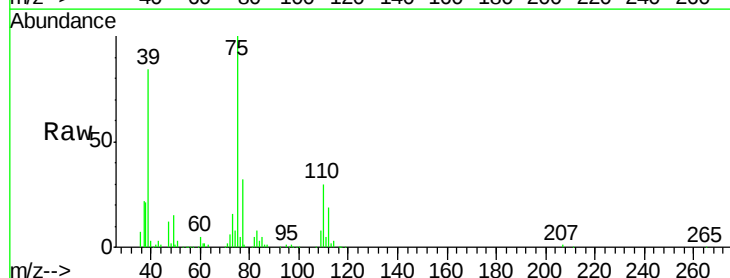
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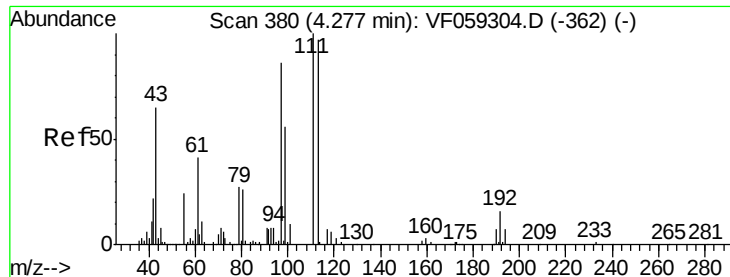
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#36
 1,1-Dichloropropene
 Concen: 40.49 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	14.8	44.4
77	31.5	25.2	37.8





#37

Ethyl Acetate

Concen: 44.81 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

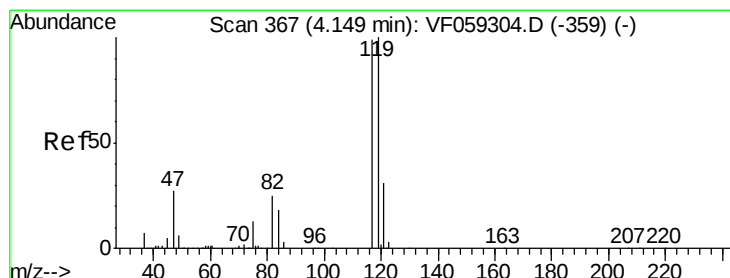
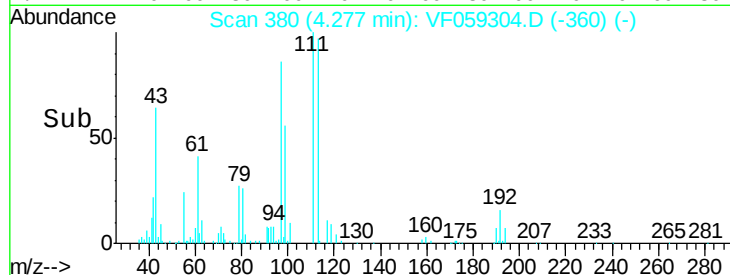
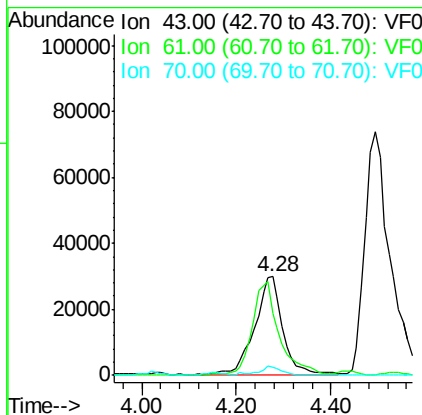
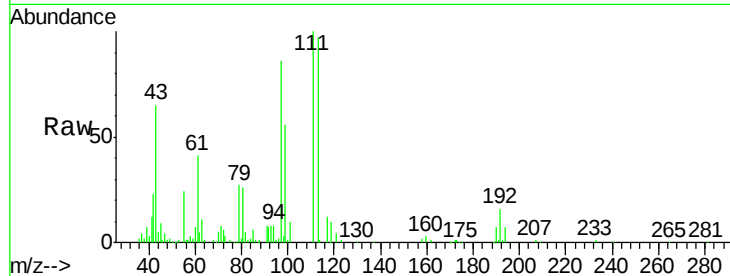
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	123501
Ion	Ratio	Lower	Upper
43	100		
61	62.6	50.1	75.1
70	7.8	6.2	9.4

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#38

Carbon Tetrachloride

Concen: 42.74 ug/l m

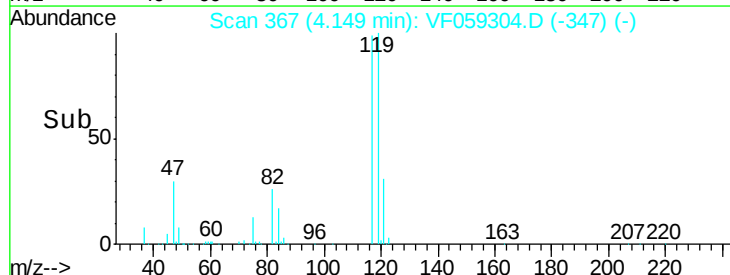
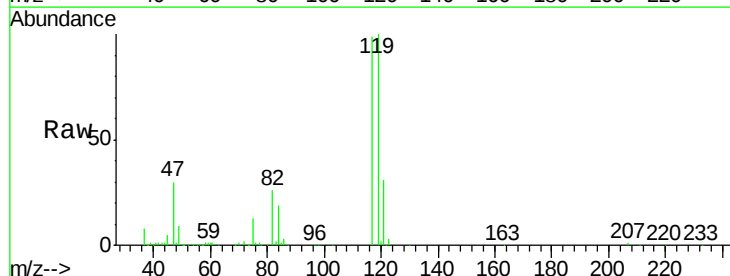
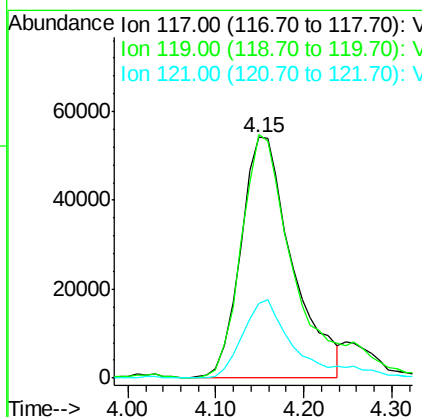
RT: 4.15 min Scan# 367

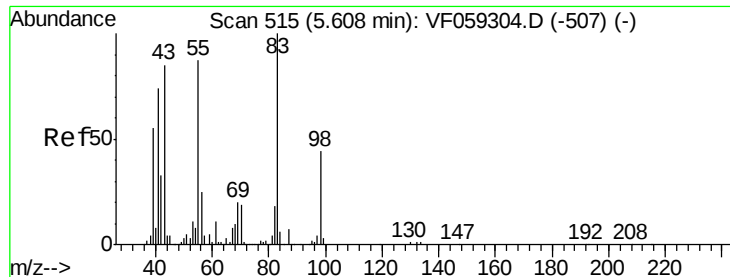
Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion:	117	Resp:	221038
Ion	Ratio	Lower	Upper
117	100		
119	101.2	81.0	121.4
121	30.9	24.7	37.1





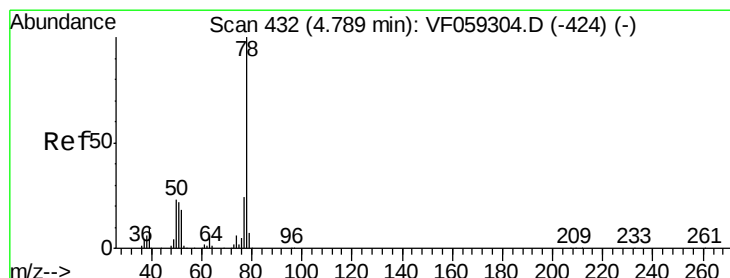
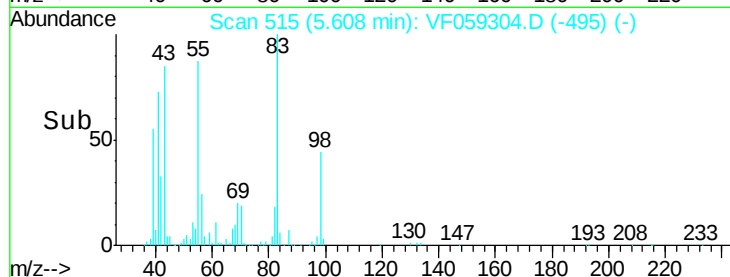
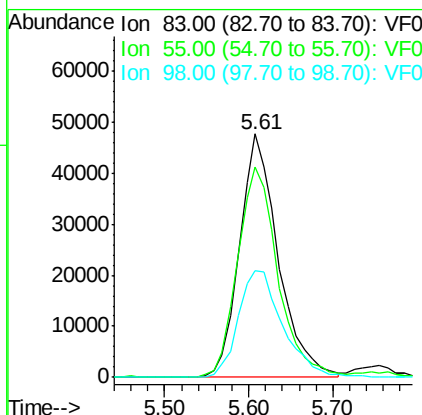
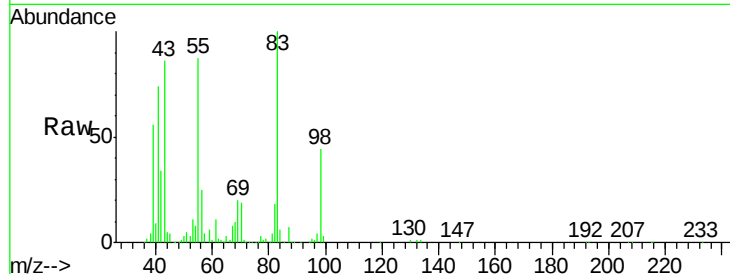
#39
Methvlcvclohexane
Concen: 40.64 ug/l
RT: 5.61 min Scan# 515
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	69.2	103.8
98	43.8	35.0	52.6

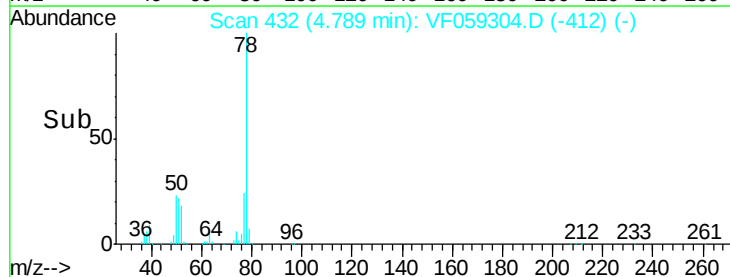
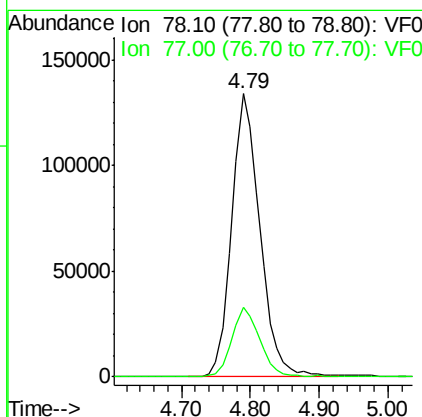
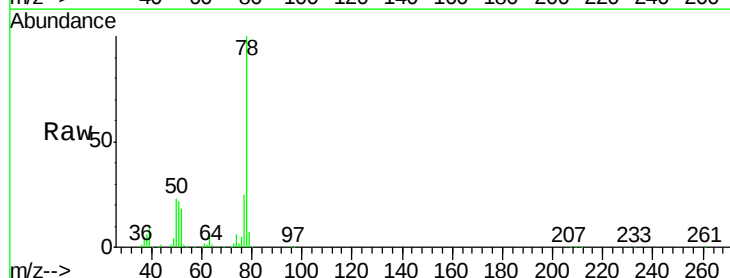
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#40
Benzene
Concen: 42.38 ug/l
RT: 4.79 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





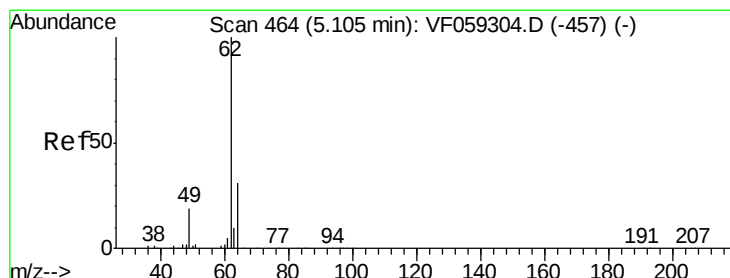
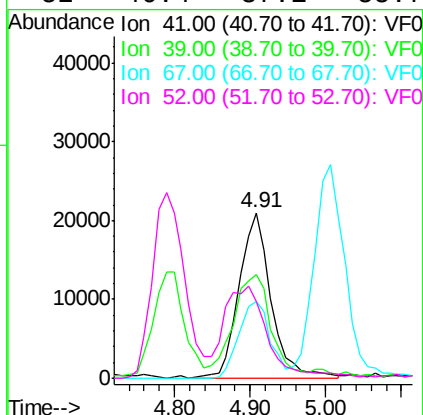
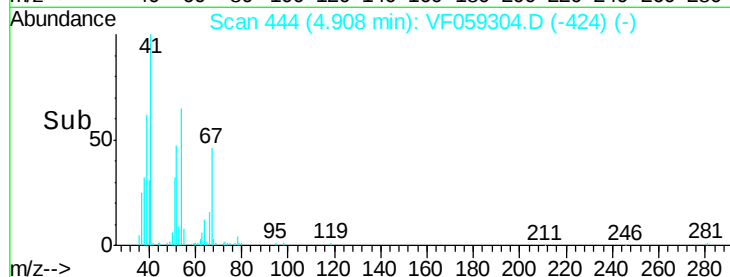
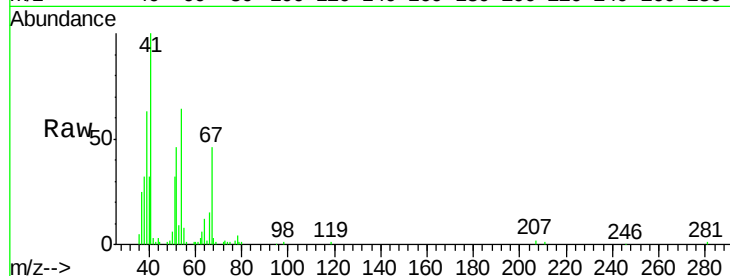
#41
Methacrylonitrile
Concen: 46.87 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.5	50.0	75.0	
67	46.3	37.0	55.6	
52	46.4	37.1	55.7	

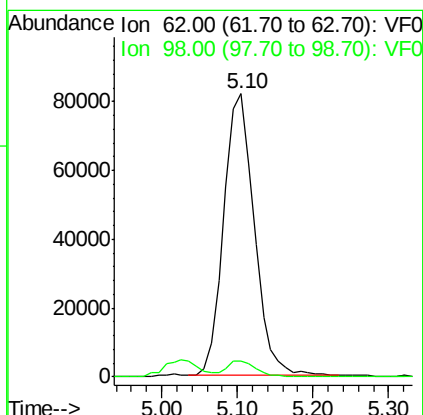
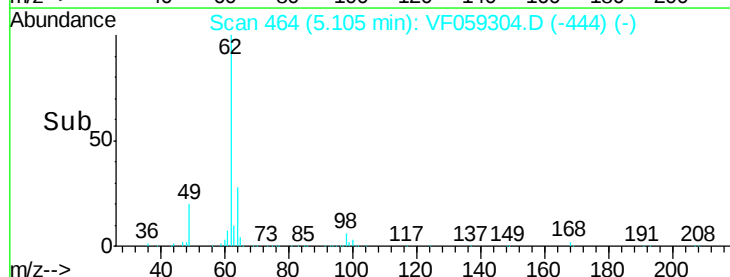
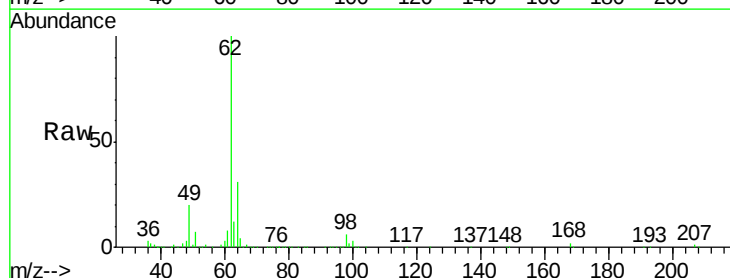
Manual Integrations
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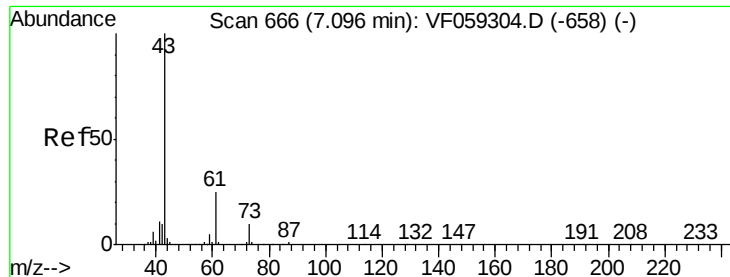
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#42
1,2-Dichloroethane
Concen: 44.71 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.7	0.0	11.4	





#43

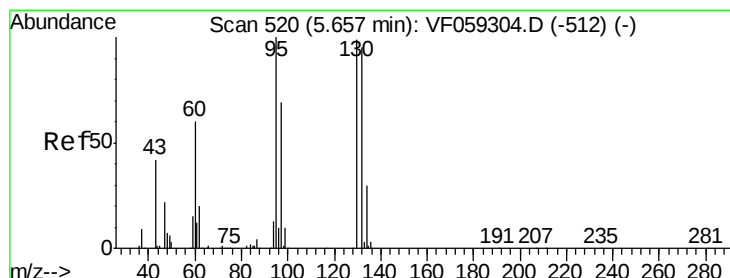
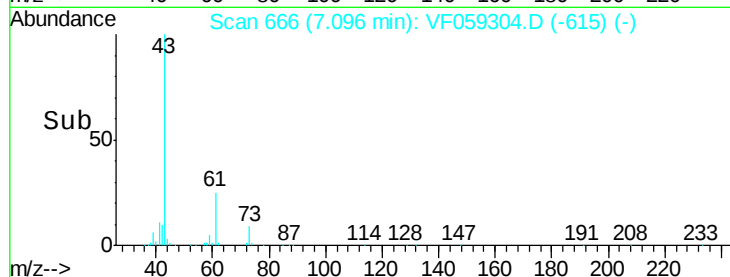
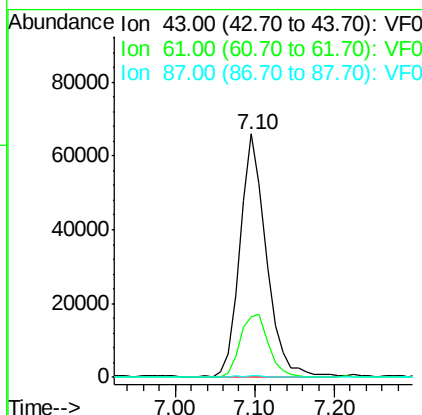
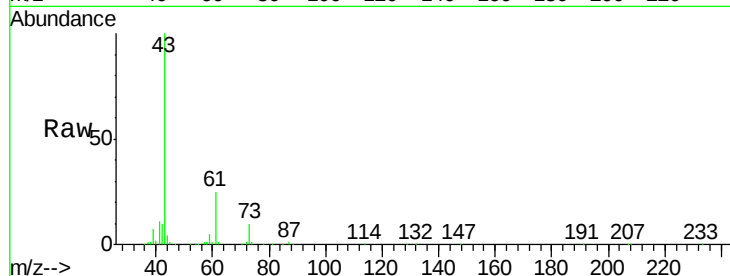
Isopropyl Acetate
 Concen: 45.18 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	19.7	29.5
87	0.6	0.5	0.7

Manual Integrations
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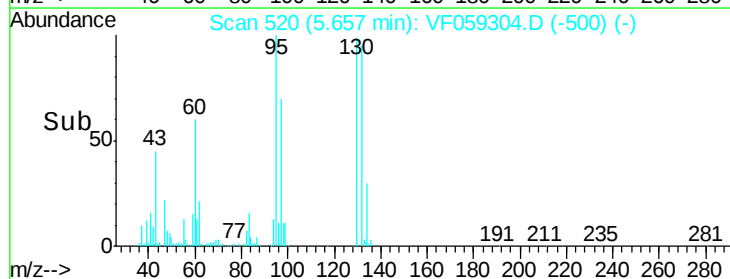
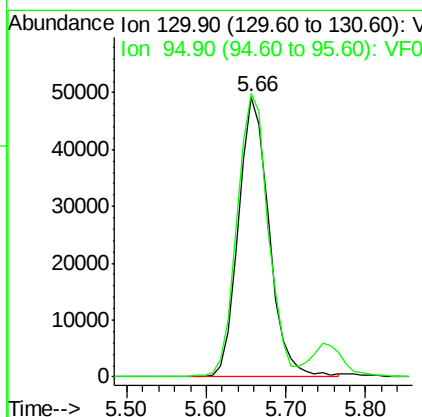
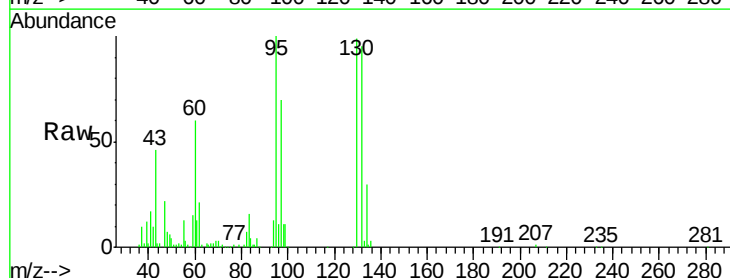
apatel
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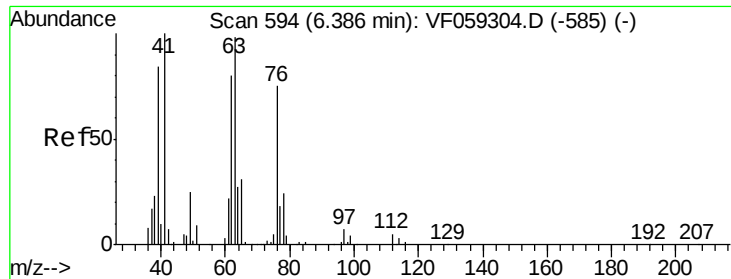


#44

Trichloroethene
 Concen: 42.39 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4





#45

1,2-Dichloropropane

Concen: 41.69 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 108405

Ion Ratio Lower Upper

63 100

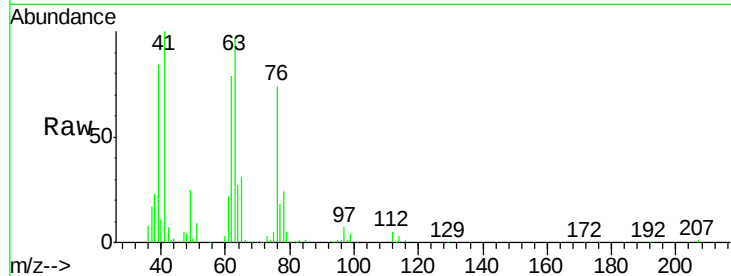
65 31.6 25.3 37.9

Manual Integrations

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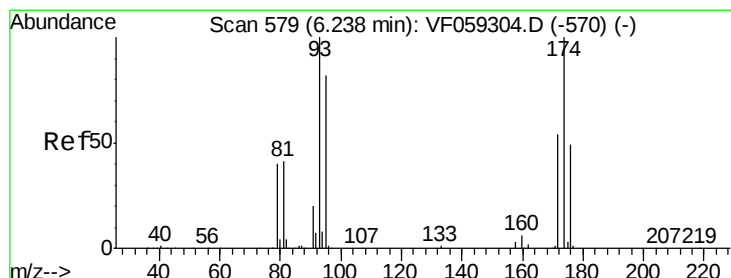
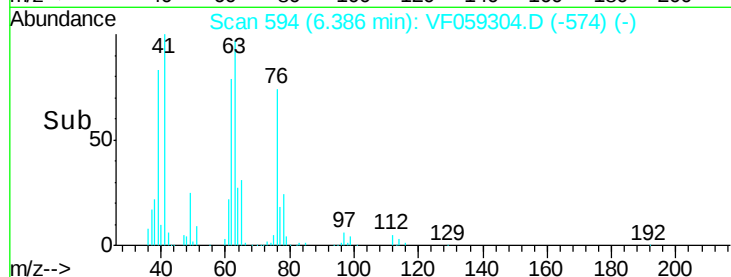
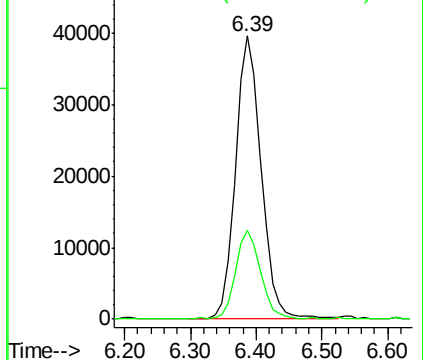
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 45.78 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

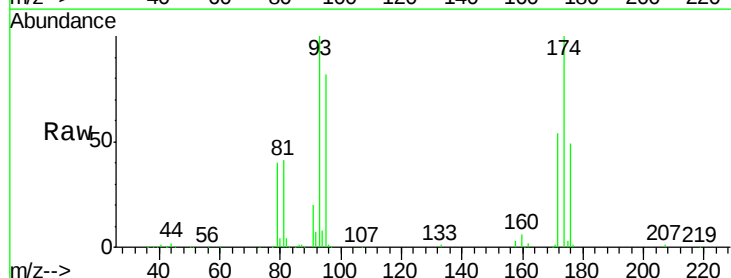
Tgt Ion: 93 Resp: 102142

Ion Ratio Lower Upper

93 100

95 82.0 65.6 98.4

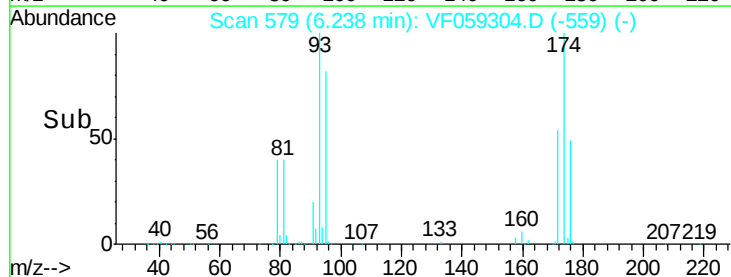
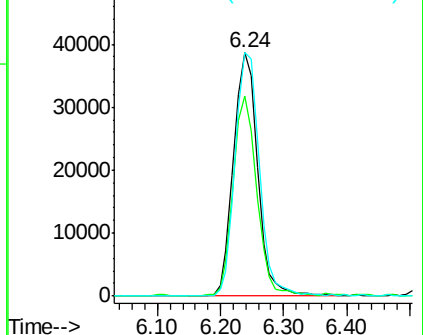
174 100.0 80.0 120.0

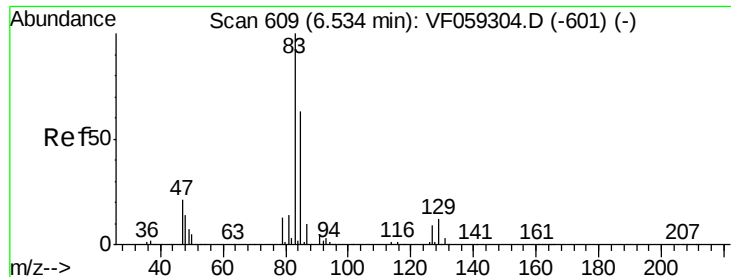


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 45.65 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

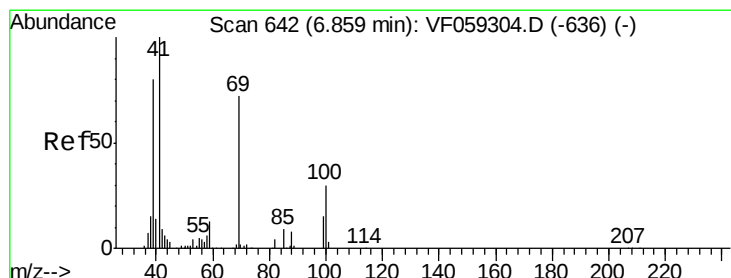
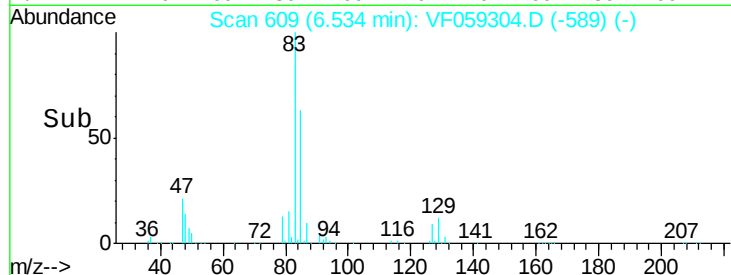
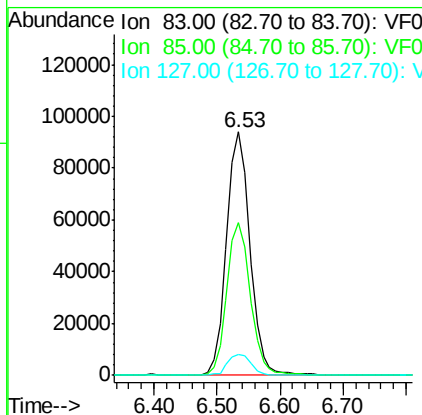
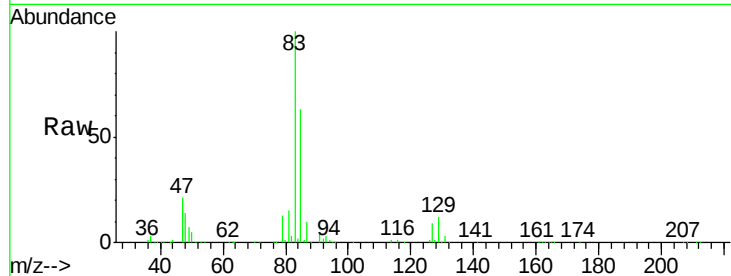
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	242842
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.2
127	8.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 48.49 ug/l

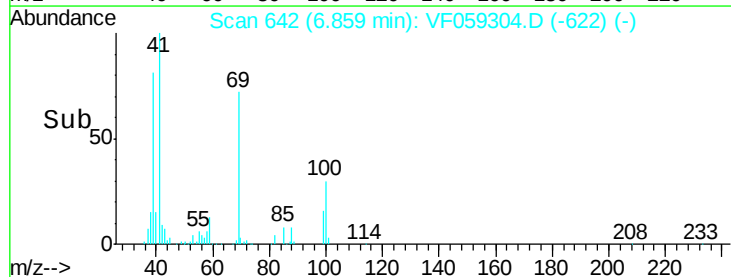
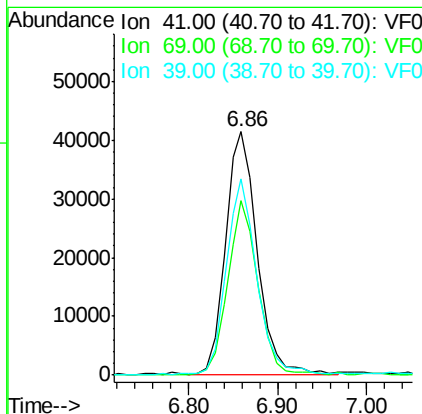
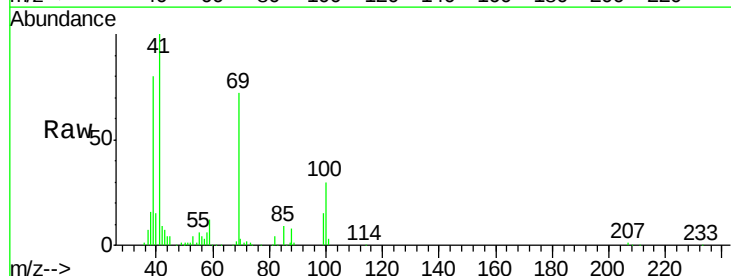
RT: 6.86 min Scan# 642

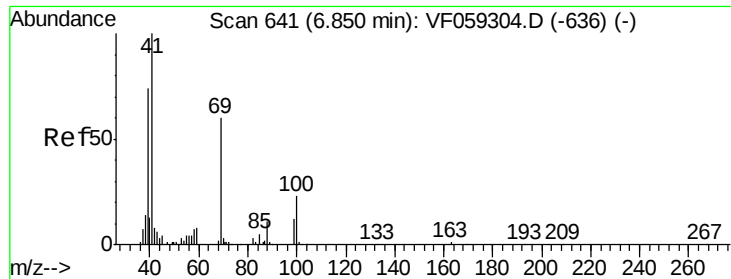
Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion:	41	Resp:	102955
Ion	Ratio	Lower	Upper
41	100		
69	71.6	57.3	85.9
39	80.5	64.4	96.6





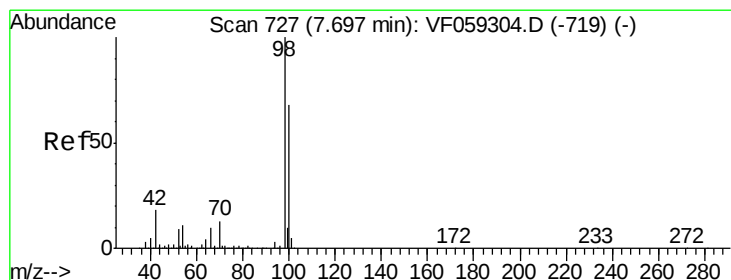
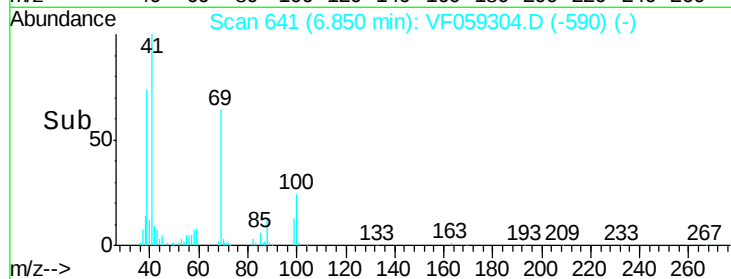
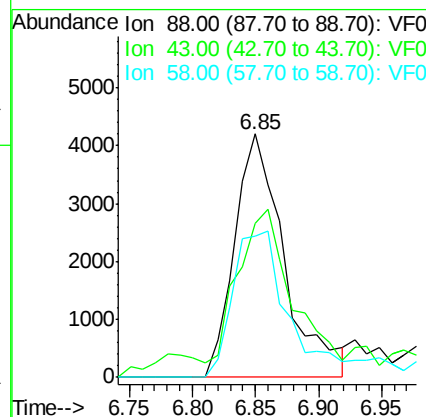
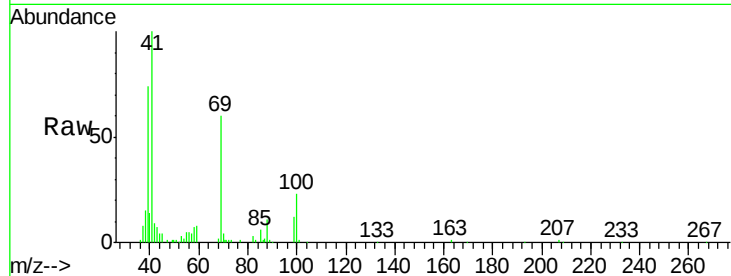
#49
 1,4-Dioxane
 Concen: 921.77 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	11468
Ion Ratio	Lower	Upper	
88	100		
43	63.2	50.6	75.8
58	58.2	46.6	69.8

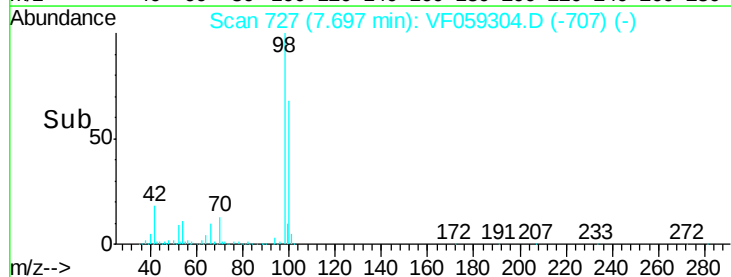
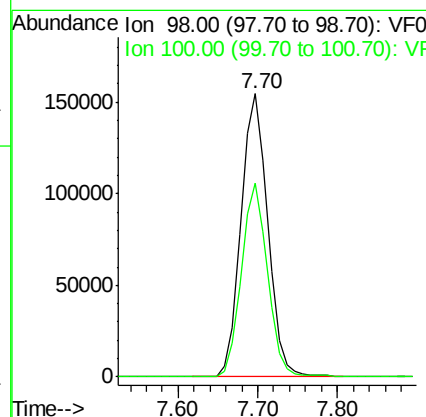
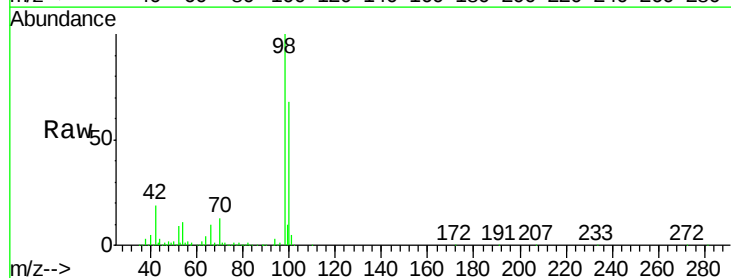
Manual Integrations
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#50
 Toluene-d8
 Concen: 41.93 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	98	Resp	361219
Ion Ratio	Lower	Upper	
98	100		
100	68.3	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 235.64 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 564355

Ion Ratio Lower Upper

43 100

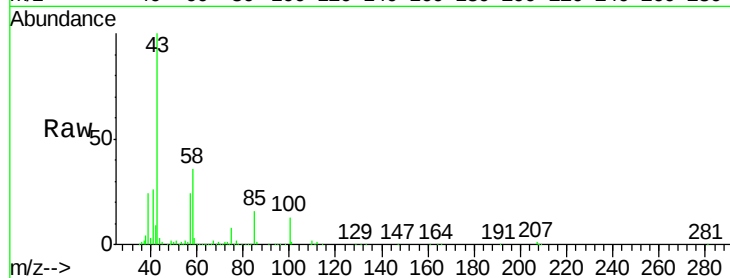
58 35.5 28.4 42.6

Manual Integrations

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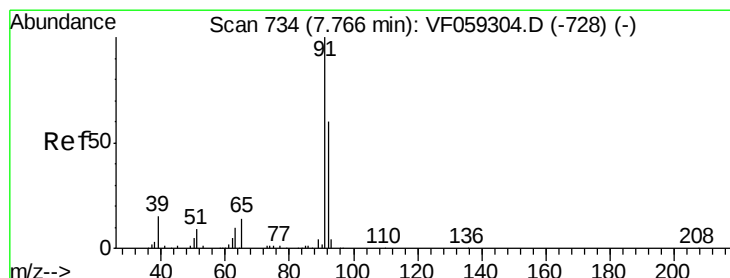
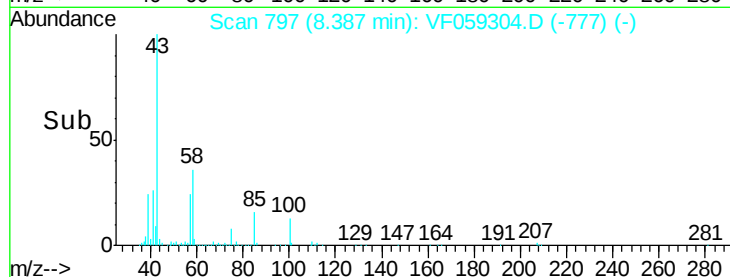
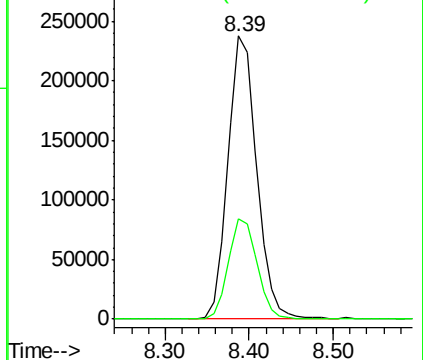
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 42.03 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059304.D

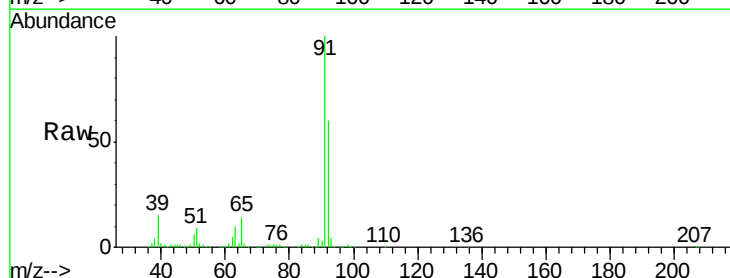
Acq: 25 Jun 2018 16:13

Tgt Ion: 92 Resp: 291573

Ion Ratio Lower Upper

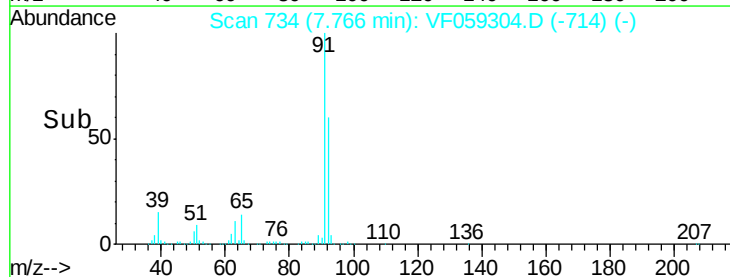
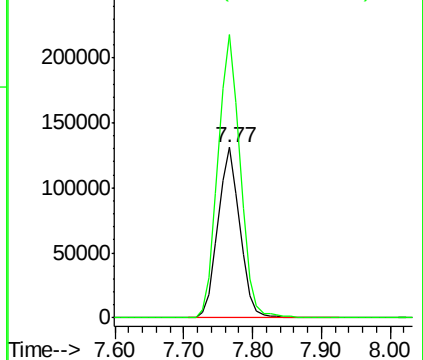
92 100

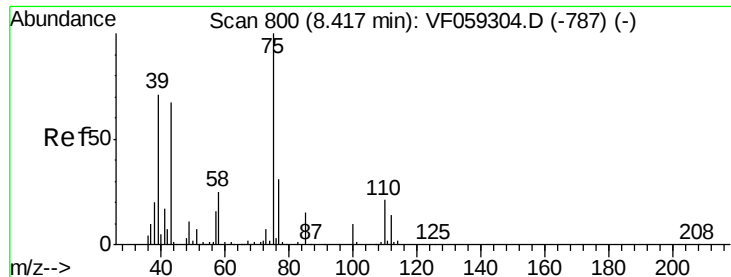
91 166.0 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 43.89 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tot Ion: 75 Resp: 218089

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

Instrument :

MSVOA_F

ClientSampleId :

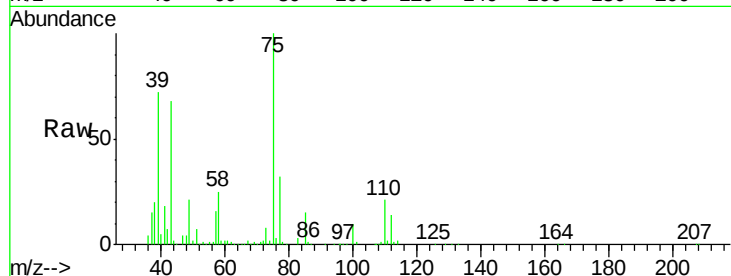
VSTDICCC050

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

100000

80000

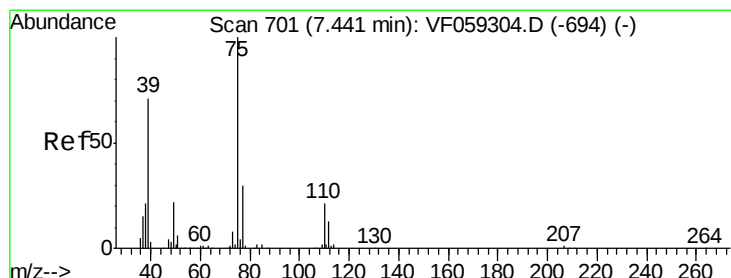
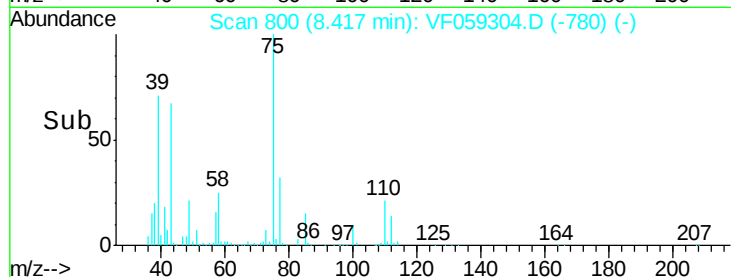
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 46.59 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

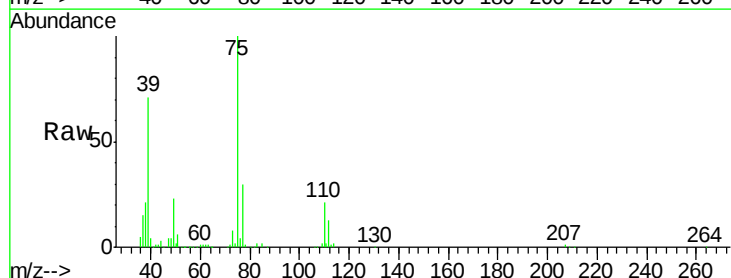
Tgt Ion: 75 Resp: 246151

Ion Ratio Lower Upper

75 100

77 30.4 24.3 36.5

39 71.5 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

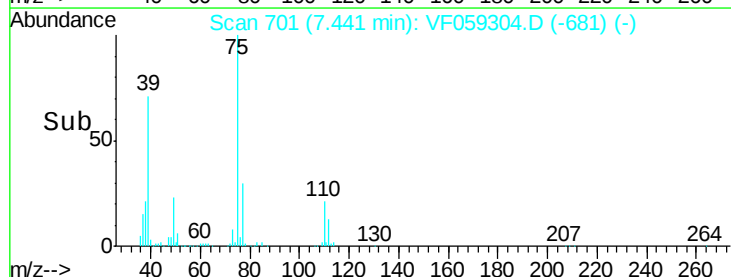
150000

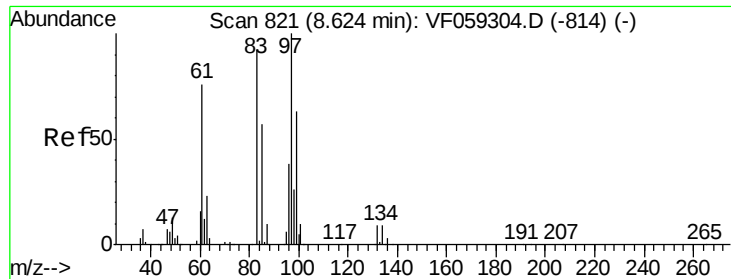
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 44.91 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

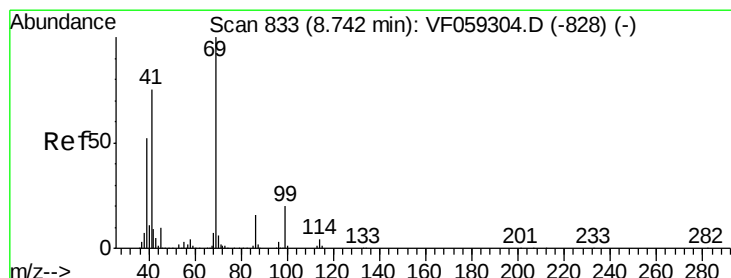
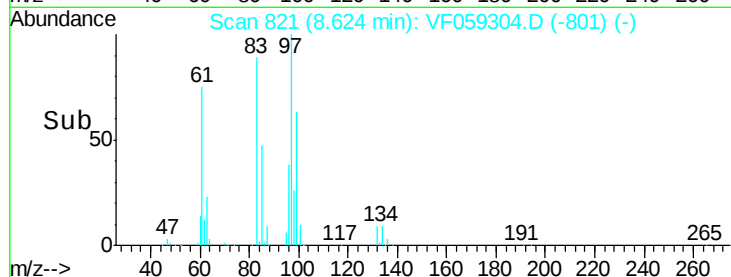
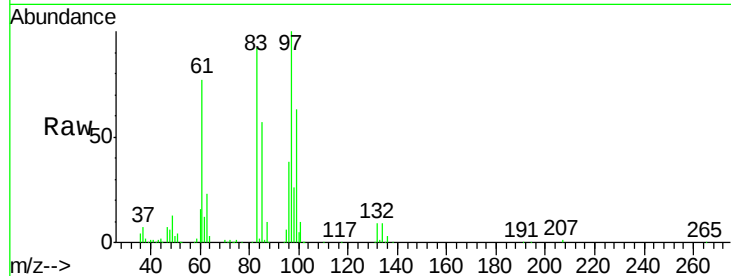
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120386		
83	92.3		73.8	110.8	
85	56.9		45.5	68.3	
99	63.4		50.7	76.1	

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#56

Ethyl methacrylate

Concen: 48.98 ug/l

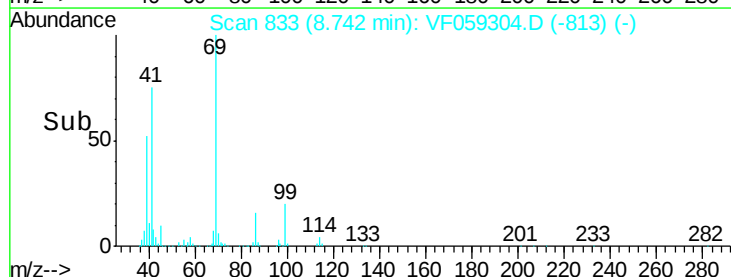
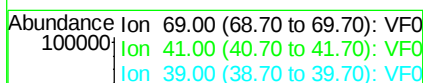
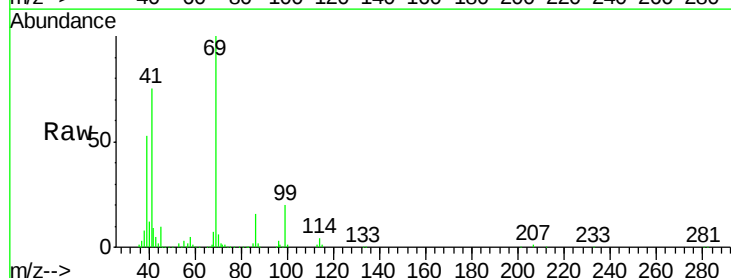
RT: 8.74 min Scan# 833

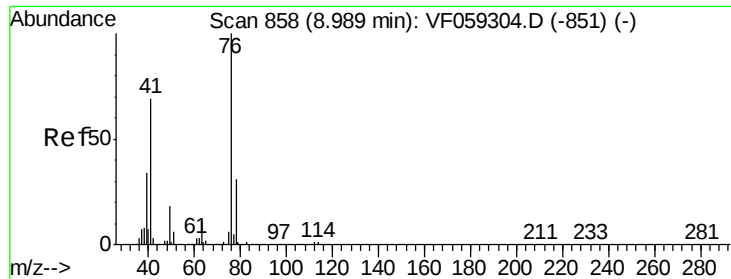
Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		150865		
41	75.4		60.3	90.5	
39	52.8		42.2	63.4	





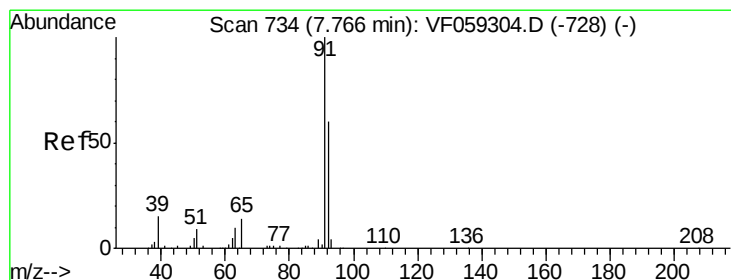
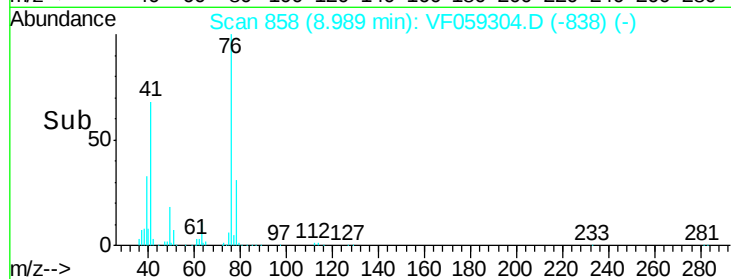
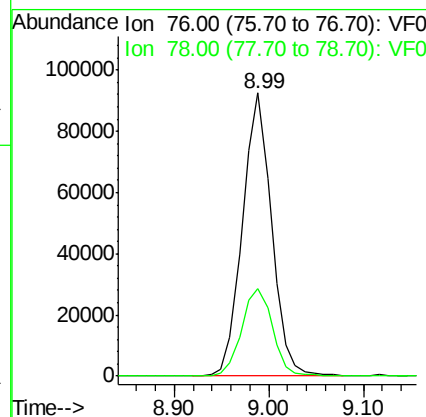
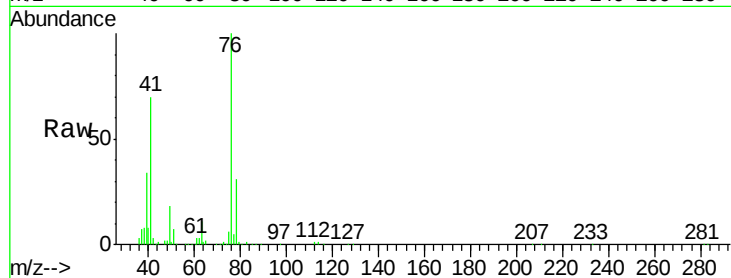
#57
 1,3-Dichloropropane
 Concen: 44.52 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	24.9	37.3

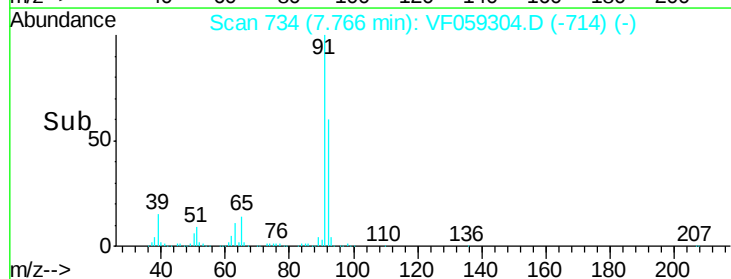
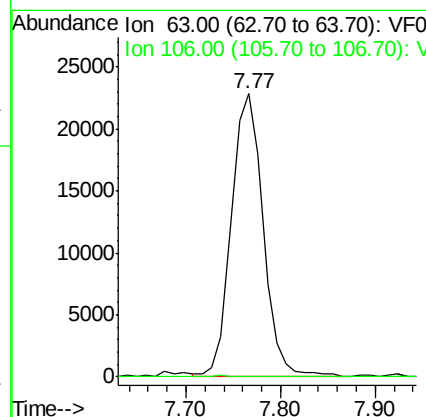
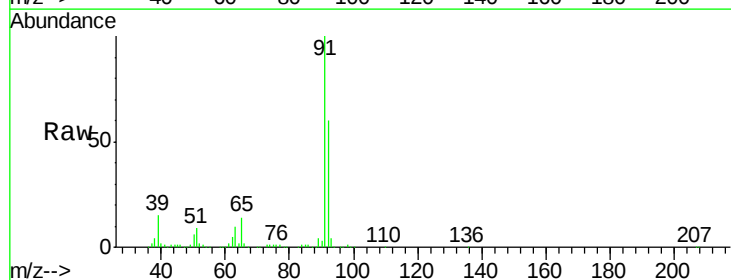
Manual Integrations
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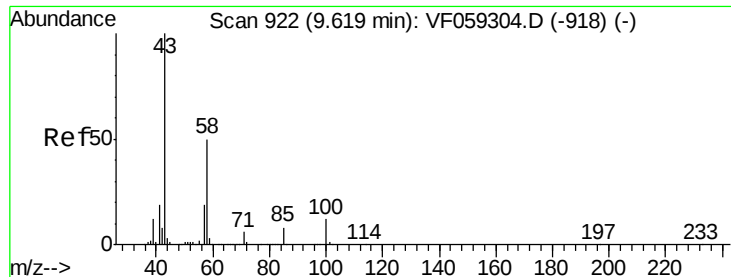
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 217.28 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





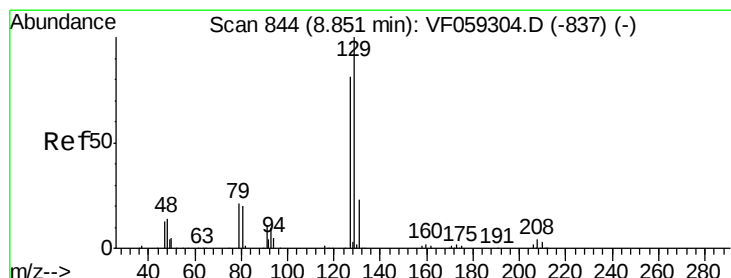
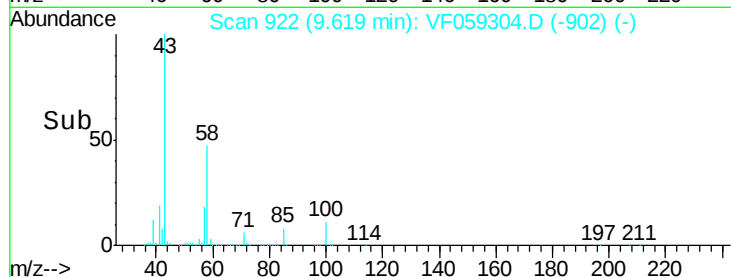
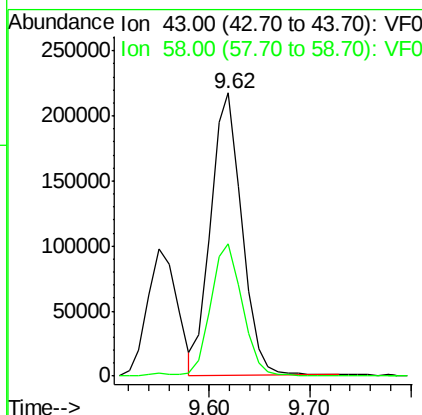
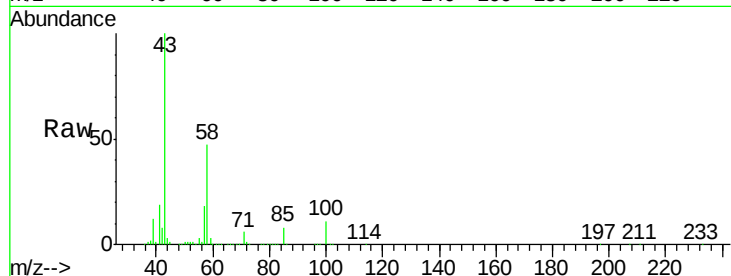
#59
2-Hexanone
Concen: 244.13 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 467693
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9

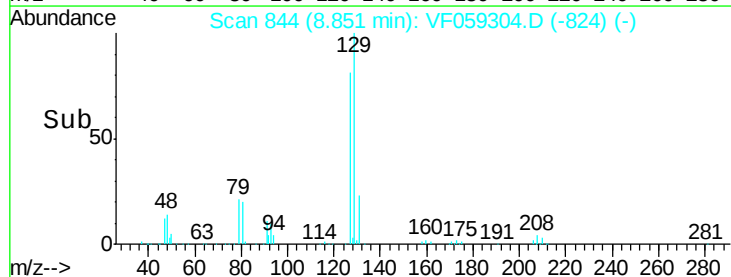
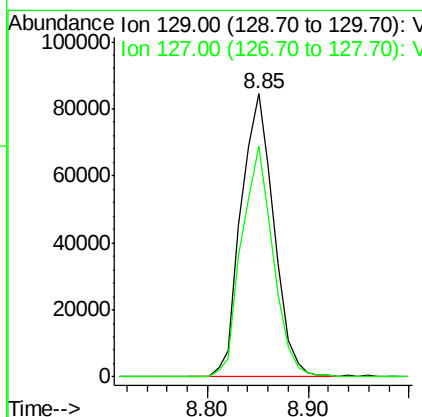
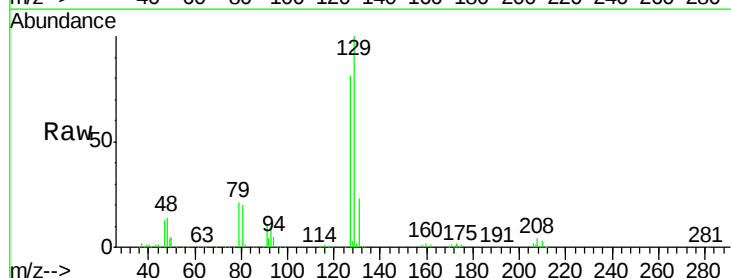
Manual Integrations
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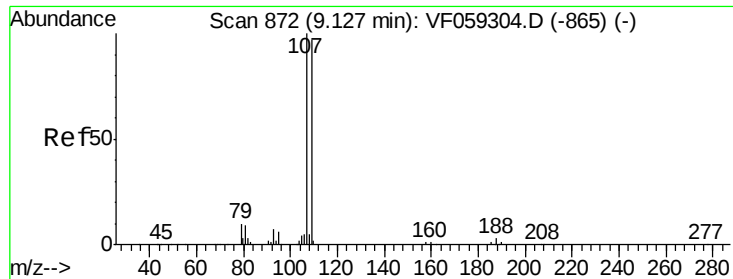
apatel
6/26/2018 10:03:17 AM



#60
Dibromochloromethane
Concen: 48.32 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion: 129 Resp: 191639
Ion Ratio Lower Upper
129 100
127 81.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 47.08 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 146448

Ion Ratio Lower Upper

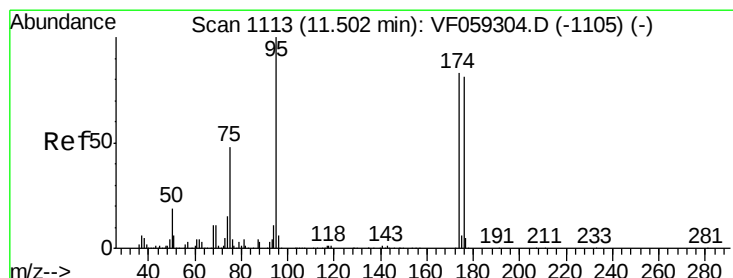
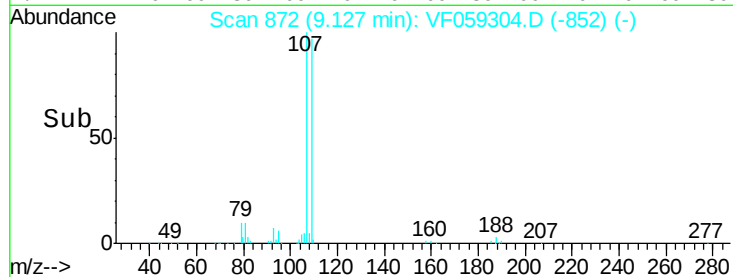
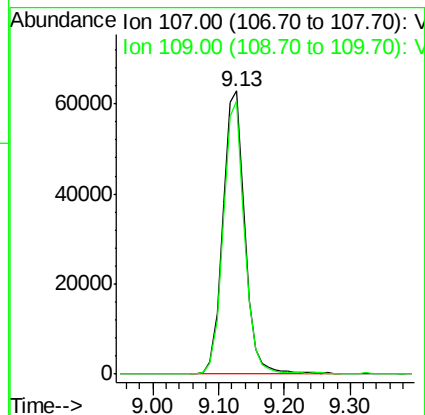
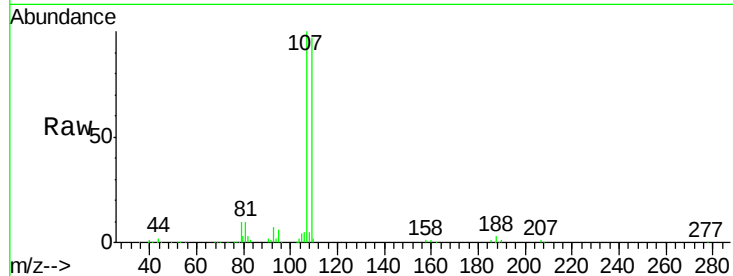
107 100

109 96.6 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 41.82 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

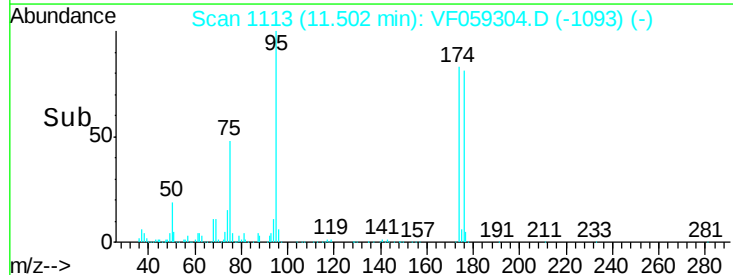
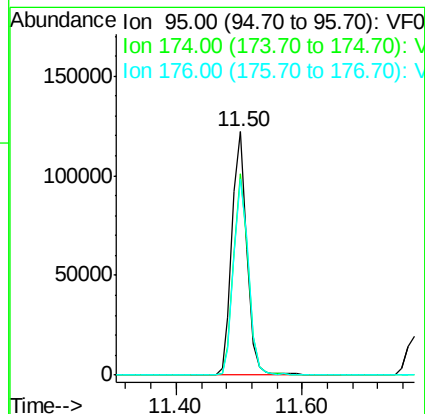
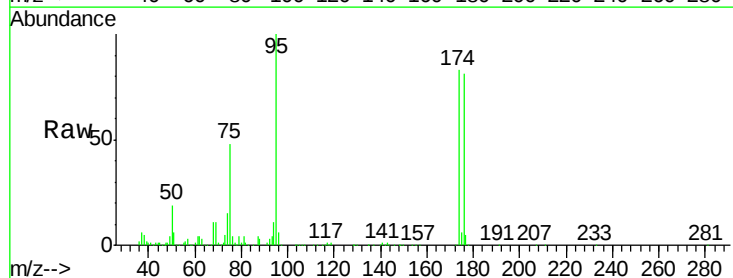
Tgt Ion: 95 Resp: 199644

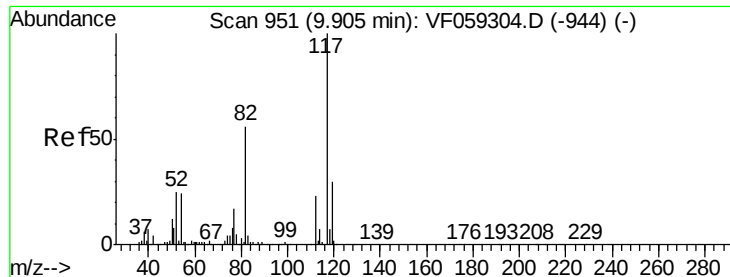
Ion Ratio Lower Upper

95 100

174 82.6 0.0 165.2

176 80.5 0.0 161.0





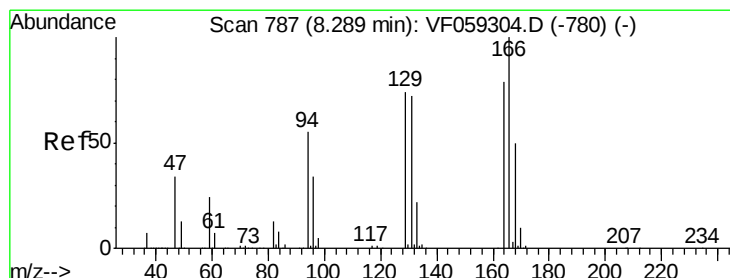
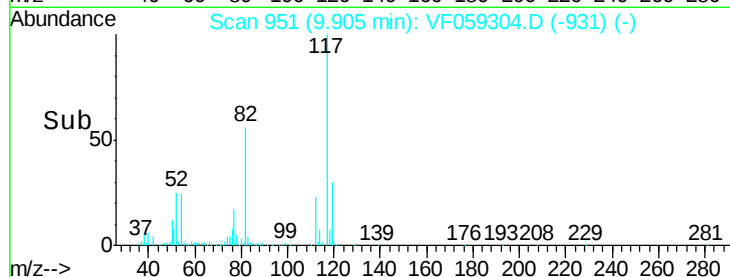
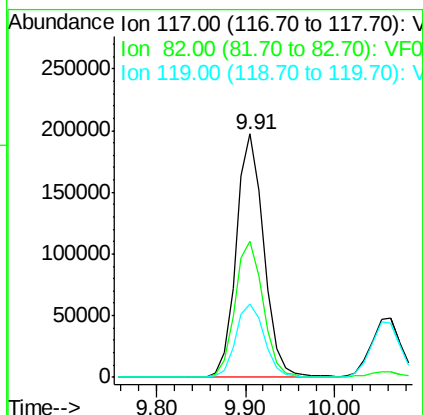
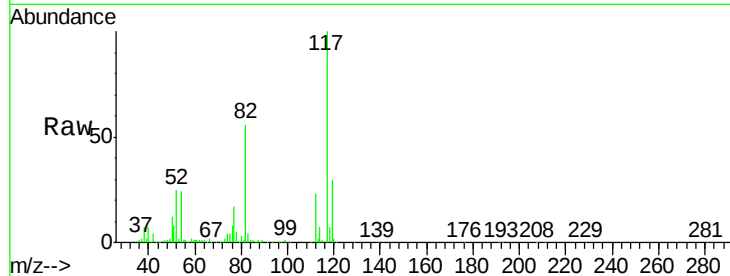
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	30.1	24.1	36.1

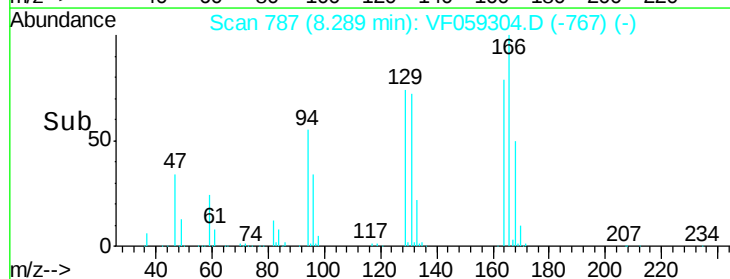
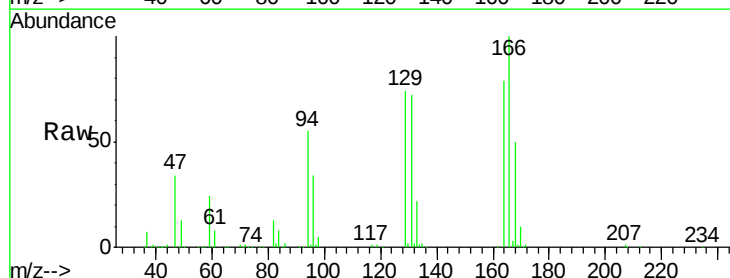
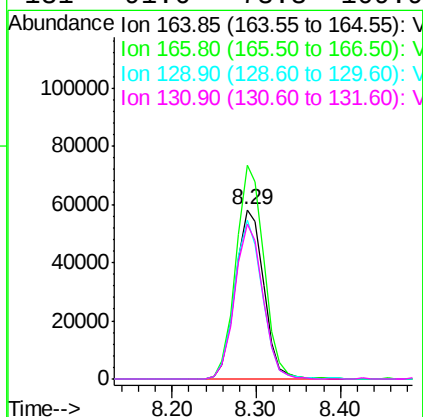
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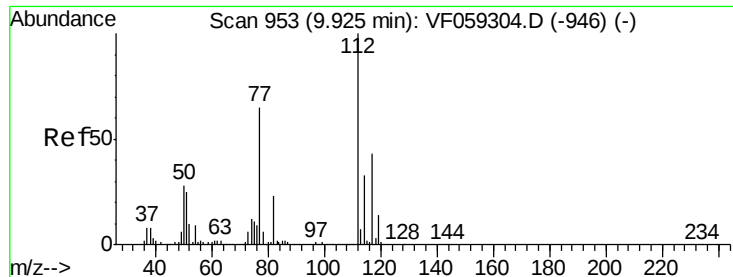
apatel
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#64
Tetrachloroethene
Concen: 43.06 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.1	151.7
129	93.7	75.0	112.4
131	91.6	73.3	109.9





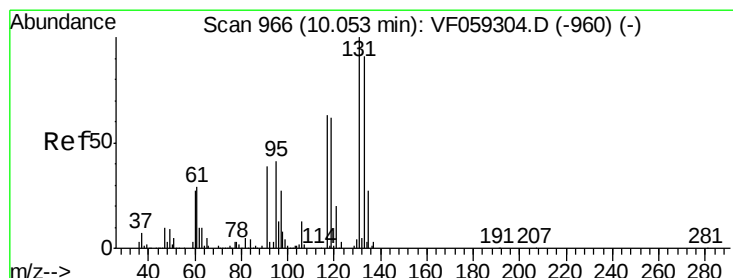
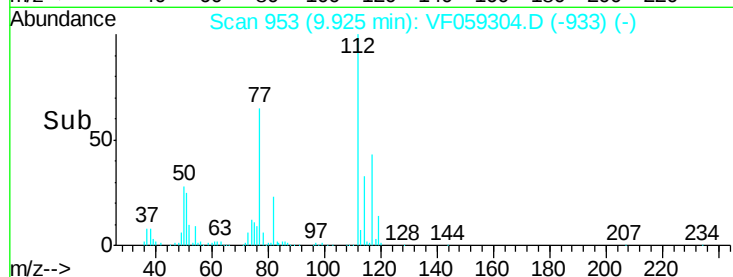
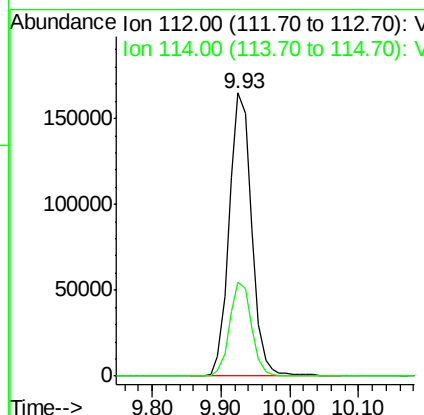
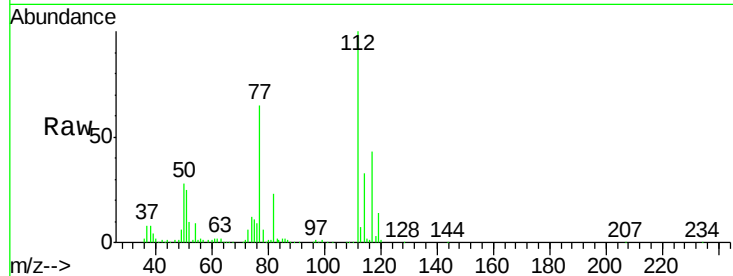
#65
Chlorobenzene
Concen: 42.47 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.5	39.7

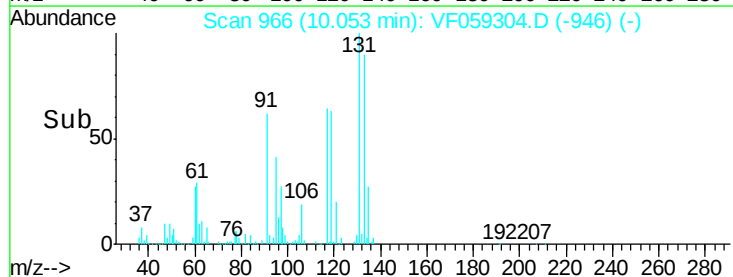
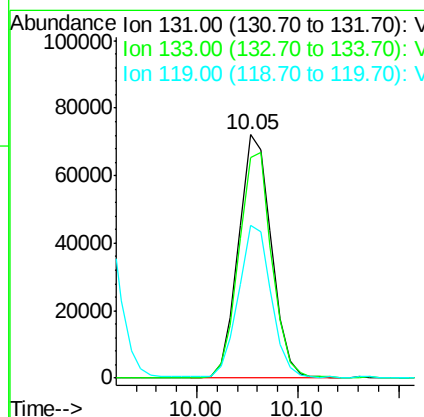
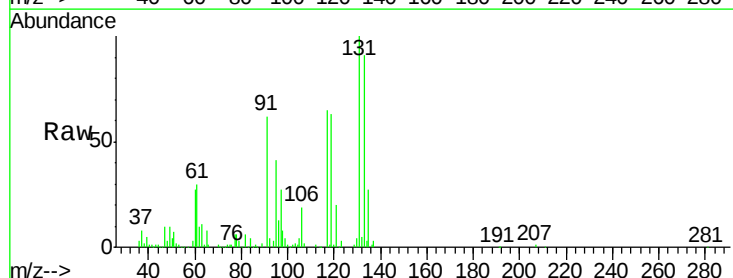
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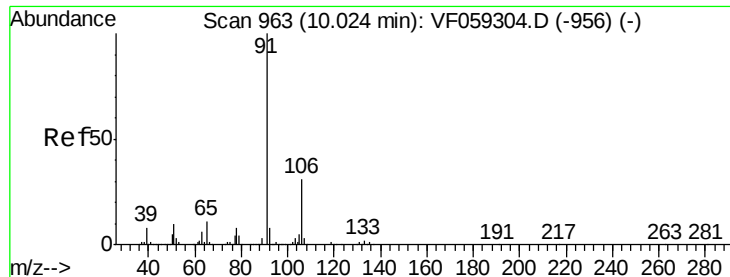
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.23 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.6	45.3	135.9
119	62.6	31.3	93.9





#67

Ethyl Benzene

Concen: 41.75 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 622615

Ion Ratio Lower Upper

91 100

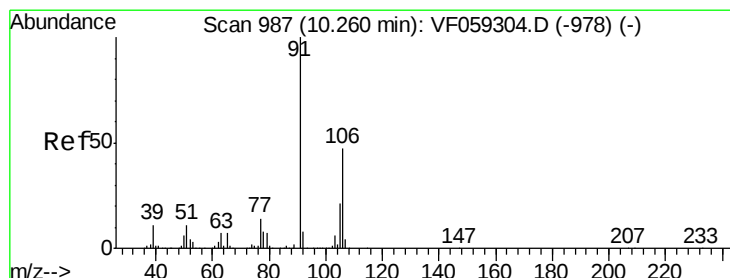
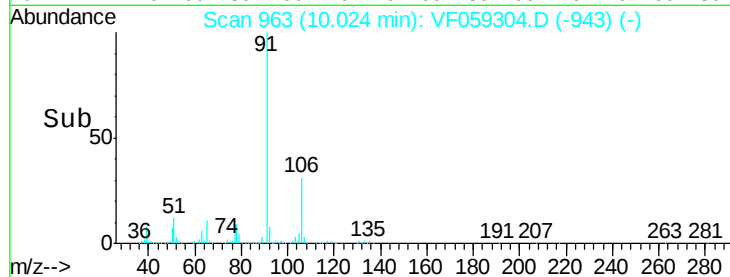
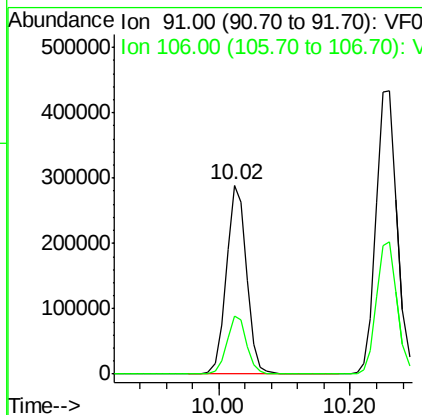
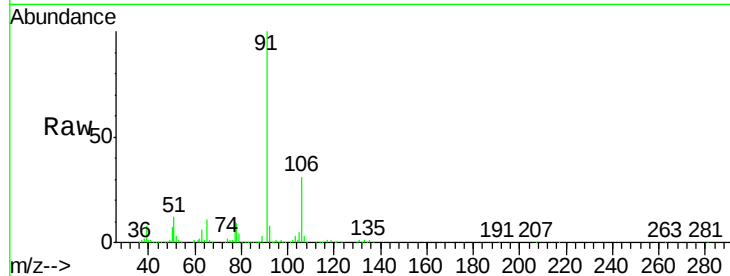
106 31.0 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 83.84 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059304.D

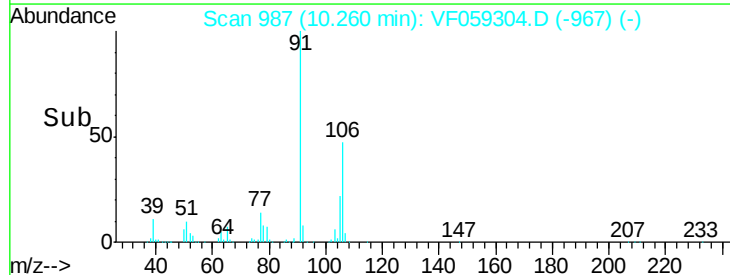
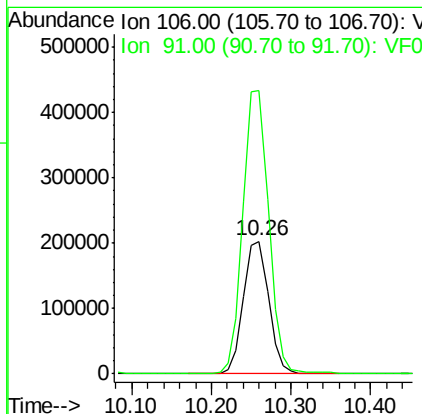
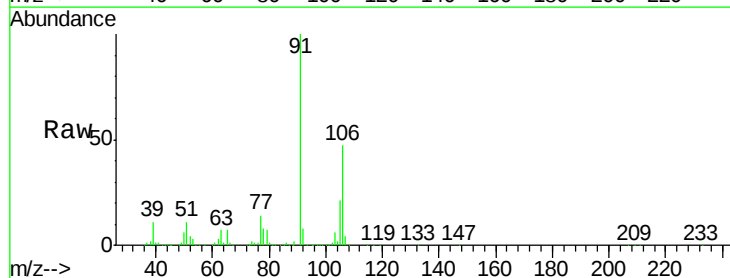
Acq: 25 Jun 2018 16:13

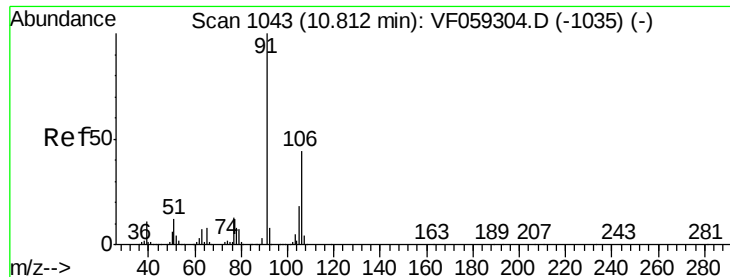
Tgt Ion: 106 Resp: 446556

Ion Ratio Lower Upper

106 100

91 213.5 170.8 256.2





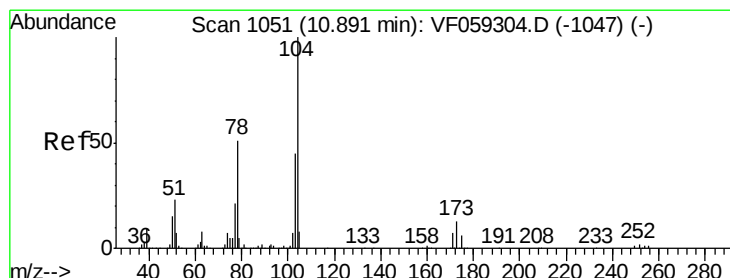
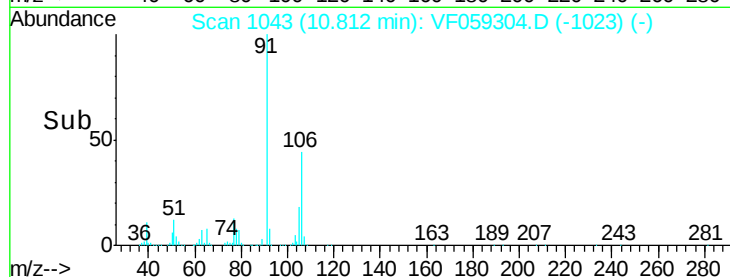
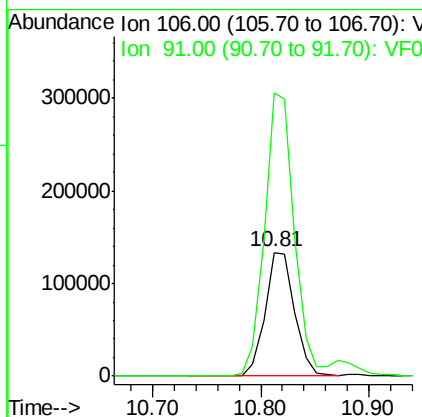
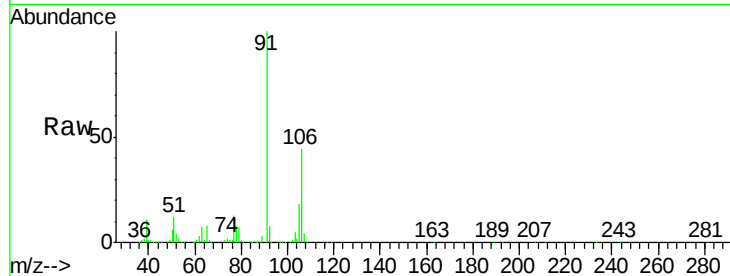
#69
o-Xylene
Concen: 43.48 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 256633
Ion Ratio Lower Upper
106 100
91 229.1 114.6 343.6

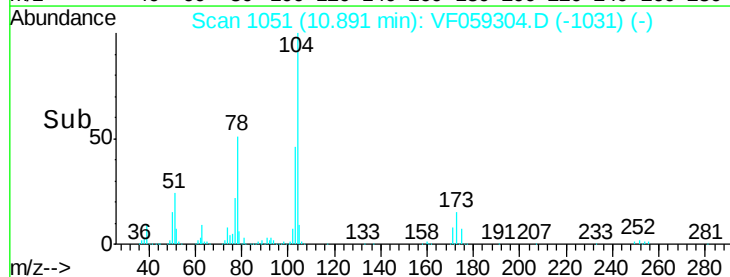
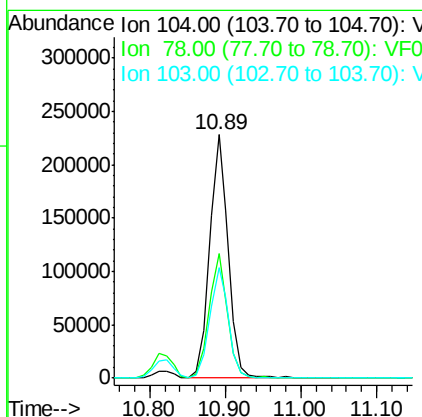
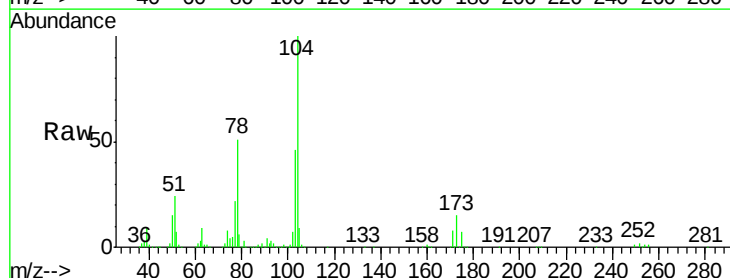
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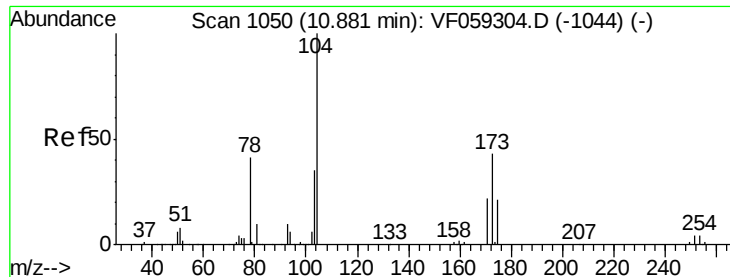
apatel
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#70
Styrene
Concen: 43.75 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion:104 Resp: 392280
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 45.6 36.5 54.7





#71

Bromoform

Concen: 44.87 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 118075

Ion Ratio Lower Upper

173 100

175 49.5 24.8 74.3

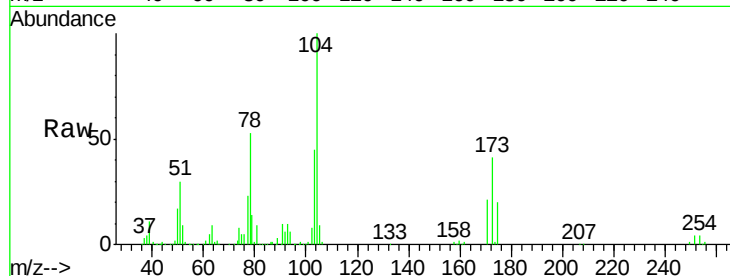
254 0.0 0.0 0.0

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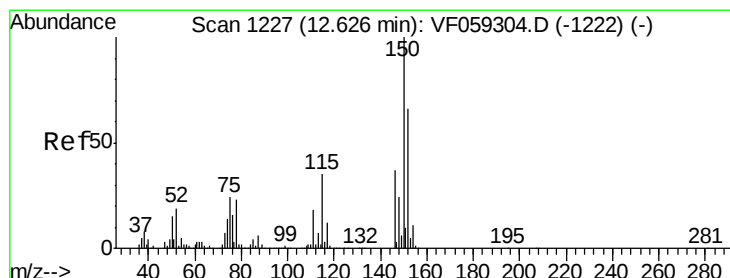
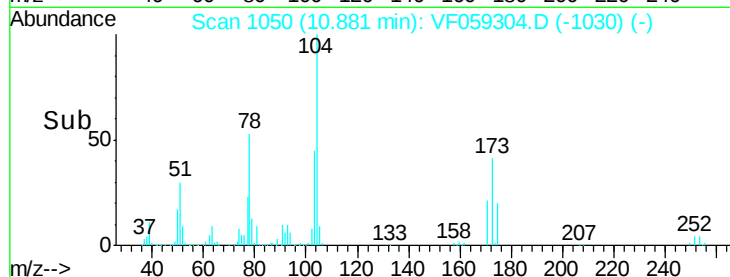
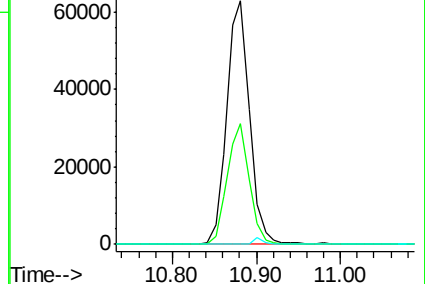
6/26/2018 10:03:17 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

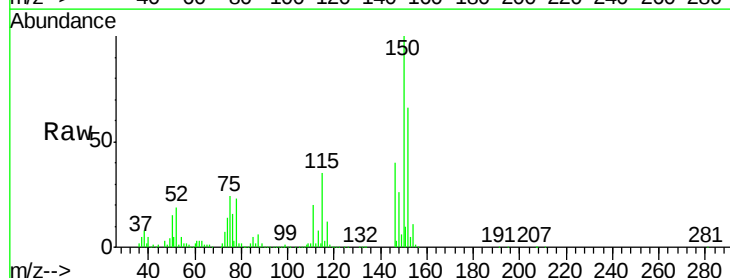
Tgt Ion:152 Resp: 262541

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.3

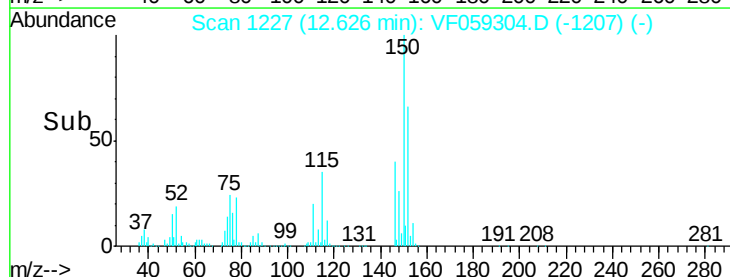
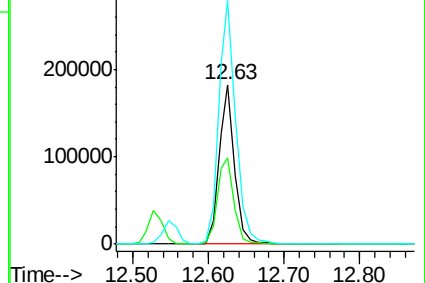
150 152.6 0.0 305.2

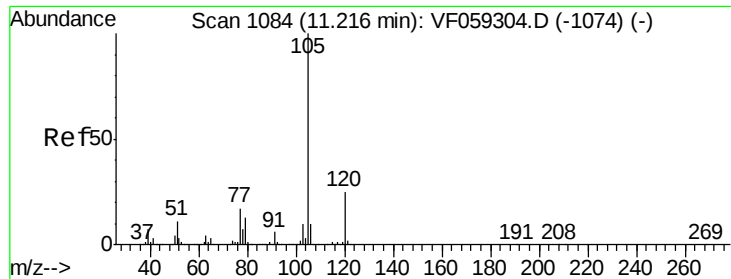


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 42.70 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 747713

Ion Ratio Lower Upper

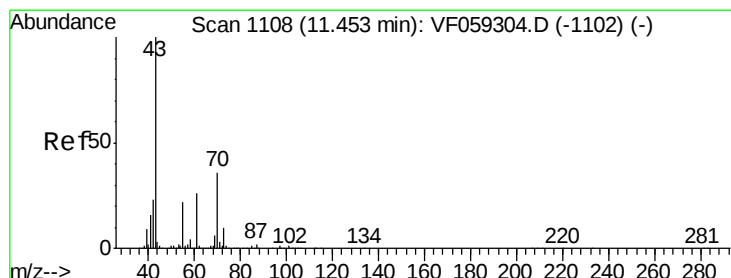
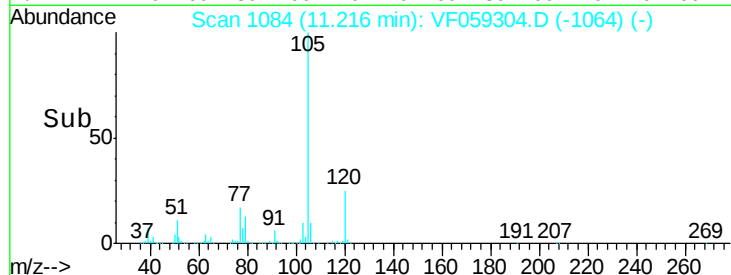
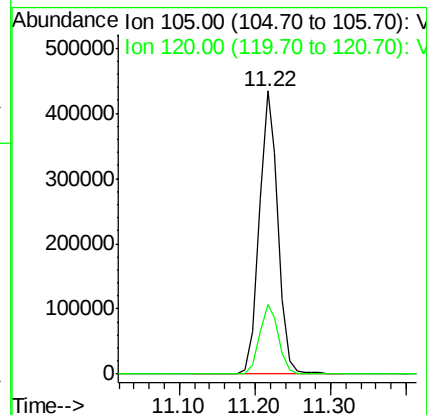
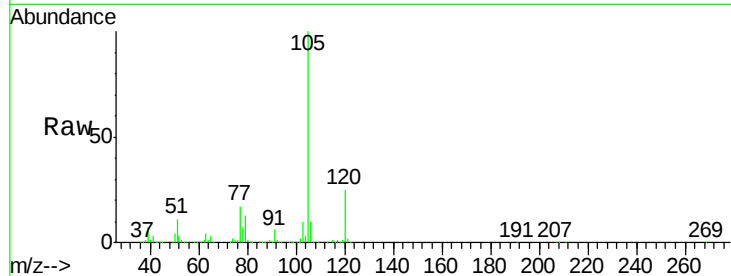
105 100

120 24.5 12.3 36.8

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#74

N-ethyl acetate

Concen: 47.27 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion: 43 Resp: 276080

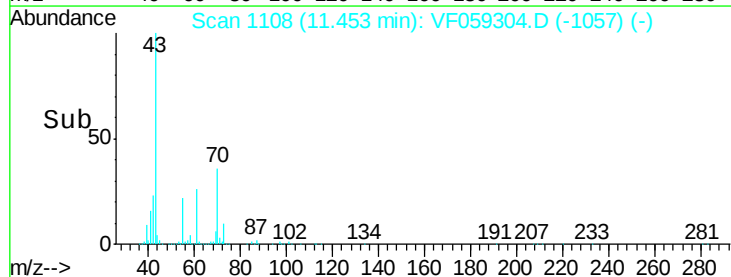
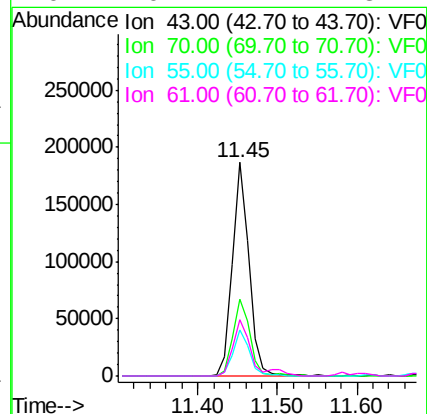
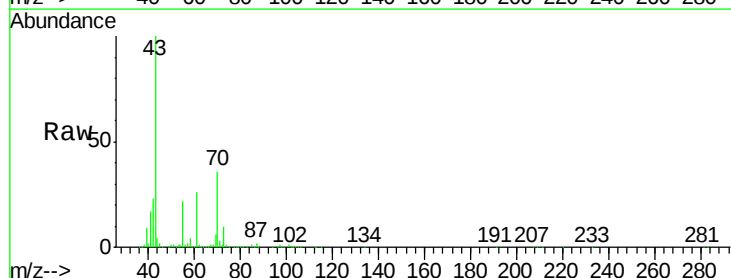
Ion Ratio Lower Upper

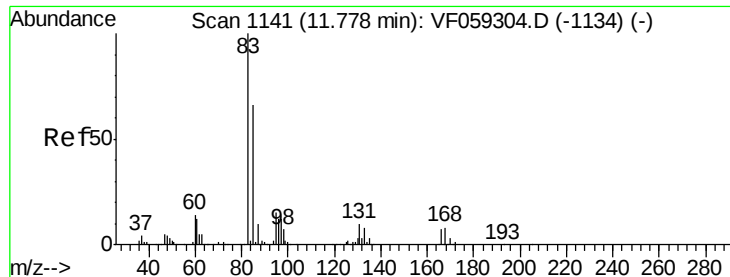
43 100

70 36.0 28.8 43.2

55 21.7 17.4 26.0

61 26.4 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 46.06 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

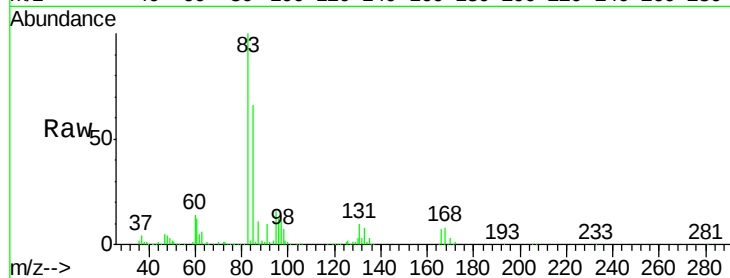
Tot Ion: 83 Resp: 193098
Ion Ratio Lower Upper

83	100		
131	9.7	4.9	14.6
85	65.6	32.8	98.4

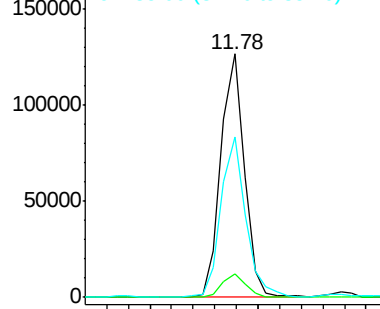
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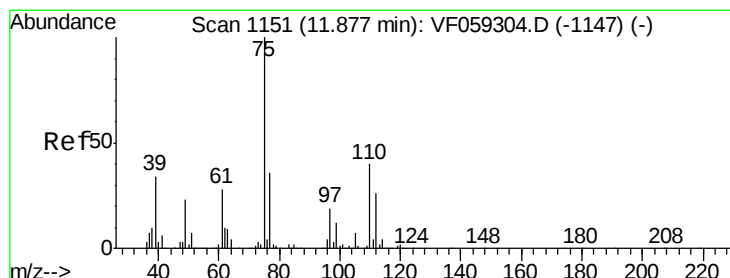
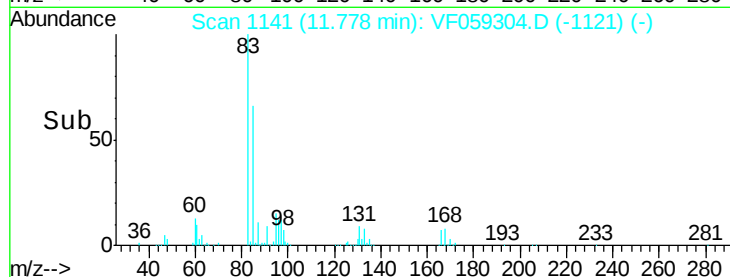
6/26/2018 10:03:17 AM



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): VF0
Ion 85.00 (84.70 to 85.70): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 46.22 ug/l

RT: 11.88 min Scan# 1151

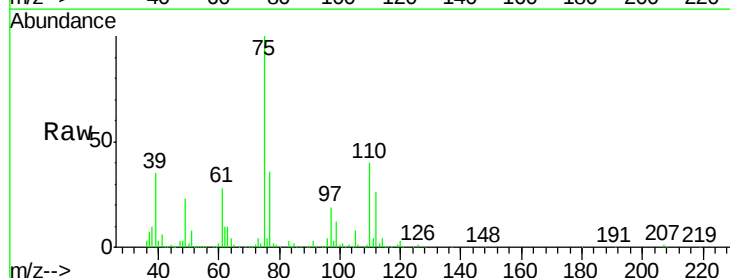
Delta R.T. 0.00 min

Lab File: VF059304.D

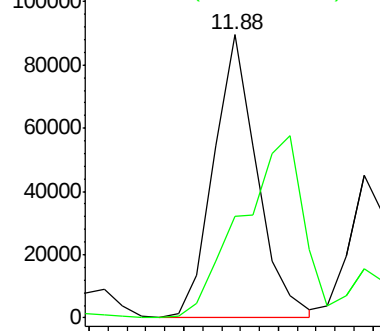
Acq: 25 Jun 2018 16:13

Tgt Ion: 75 Resp: 141654
Ion Ratio Lower Upper

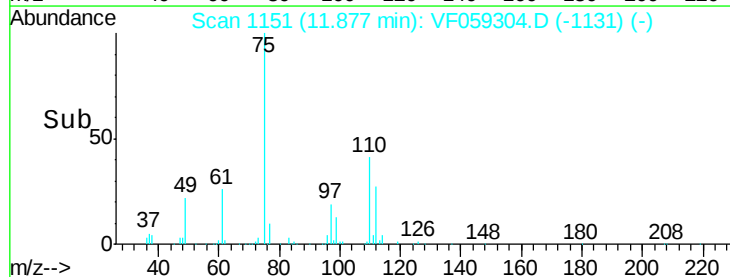
75	100		
77	36.0	18.0	54.0



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



Time-->





#77

Bromobenzene

Concen: 42.99 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 203948

Ion Ratio Lower Upper

156 100

77 159.3 79.7 238.9

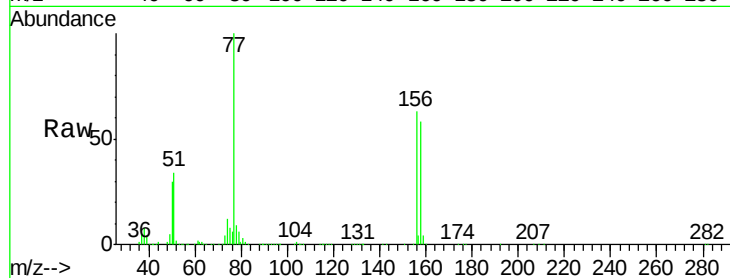
158 92.4 46.2 138.6

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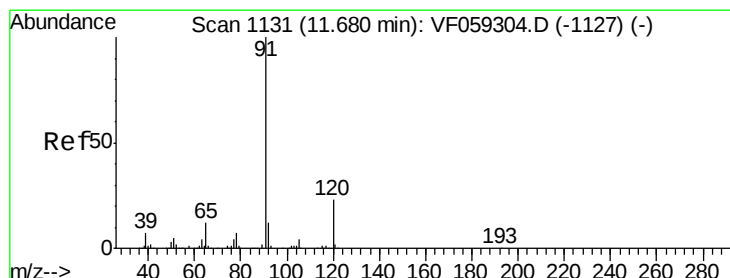
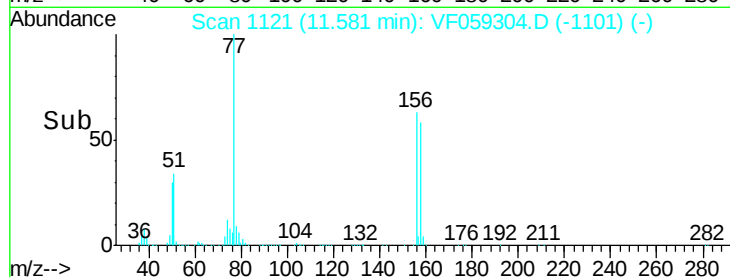
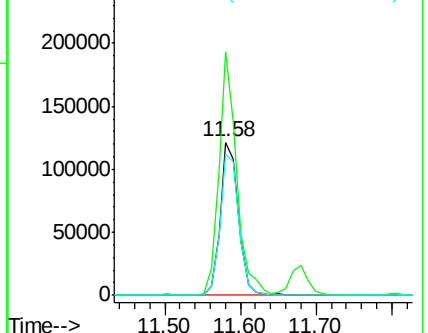
6/26/2018 10:03:17 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 41.37 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059304.D

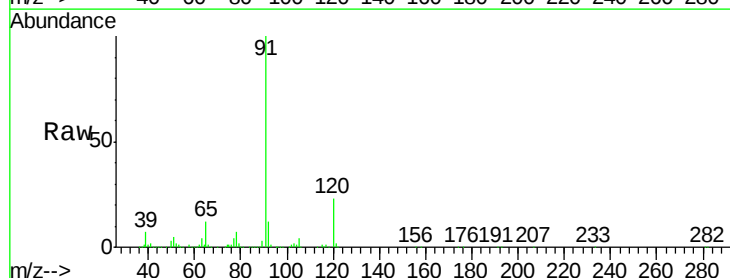
Acq: 25 Jun 2018 16:13

Tgt Ion: 91 Resp: 852931

Ion Ratio Lower Upper

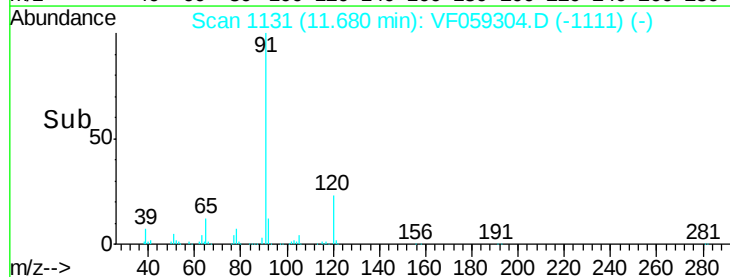
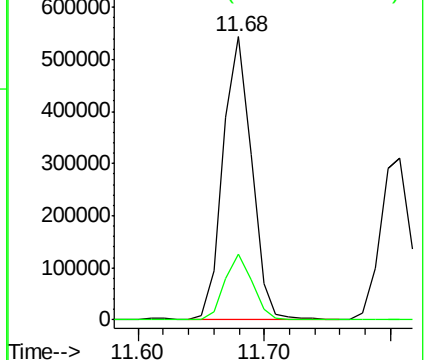
91 100

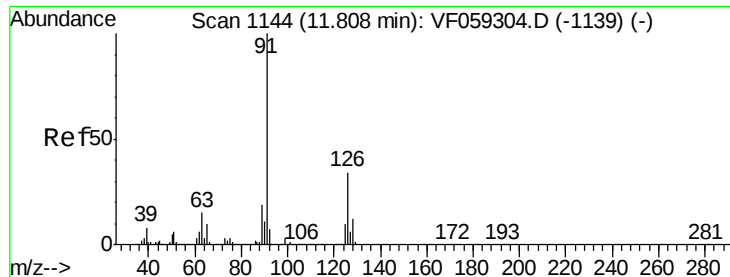
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.77 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 518329

Ion Ratio Lower Upper

91 100

126 34.3

17.2

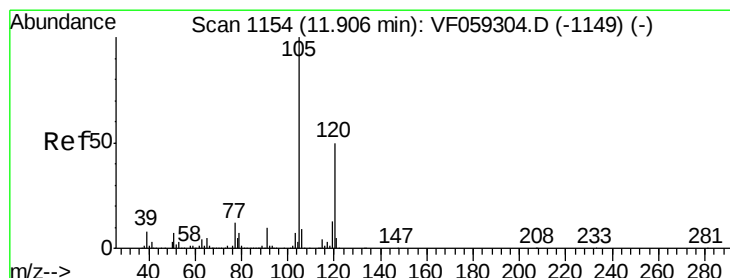
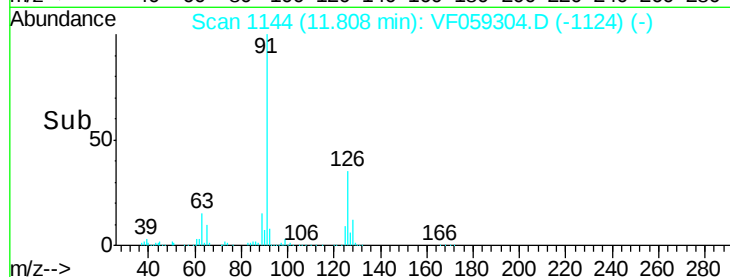
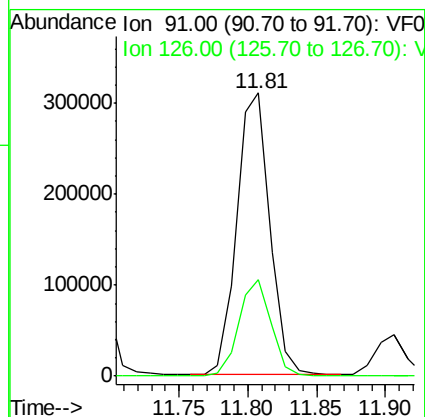
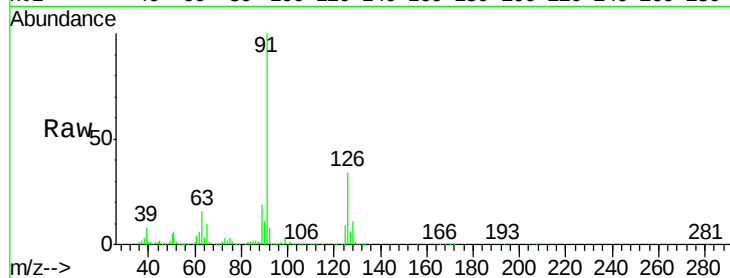
51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 42.92 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion: 105 Resp: 634644

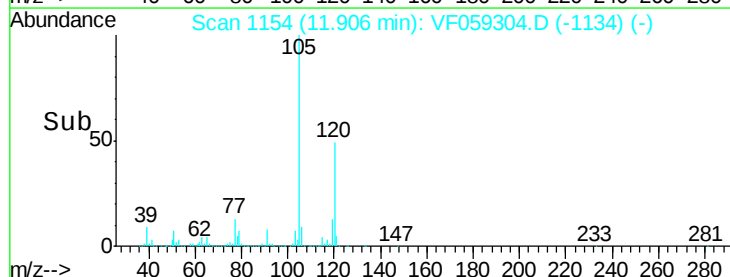
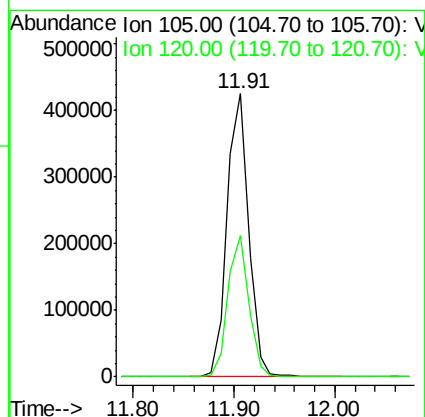
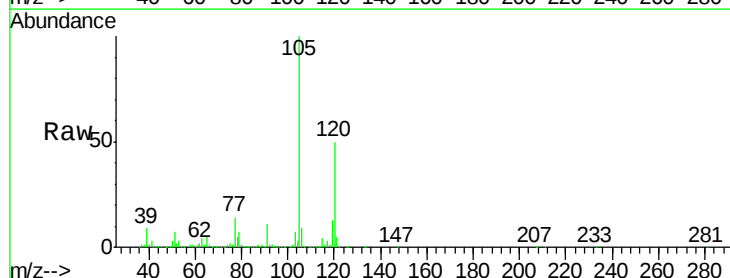
Ion Ratio Lower Upper

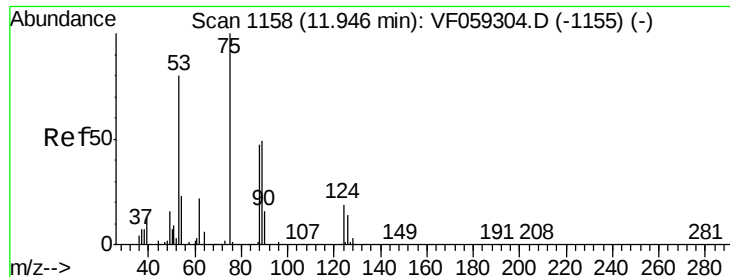
105 100

120 49.8

24.9

74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 44.48 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 86166

Ion Ratio Lower Upper

75 100

53 86.0 68.8 103.2

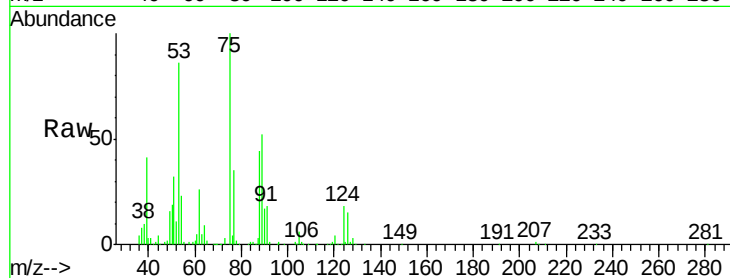
89 52.5 42.0 63.0

Manual Integrations

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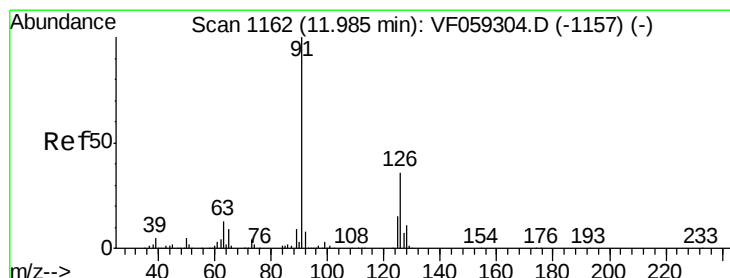
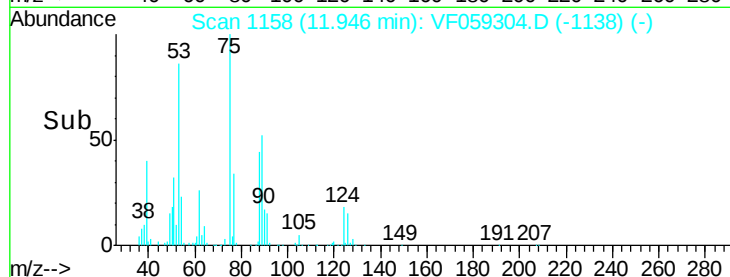
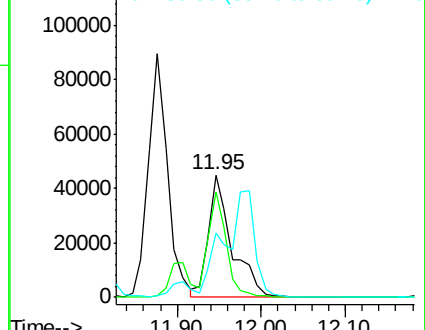
6/26/2018 10:03:17 AM



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 43.10 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059304.D

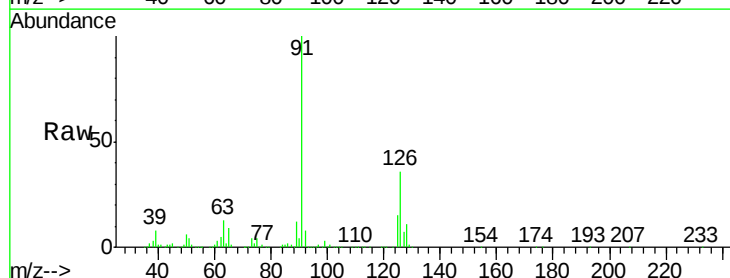
Acq: 25 Jun 2018 16:13

Tgt Ion: 91 Resp: 577914

Ion Ratio Lower Upper

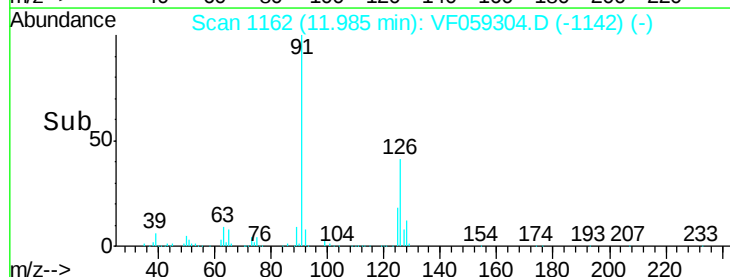
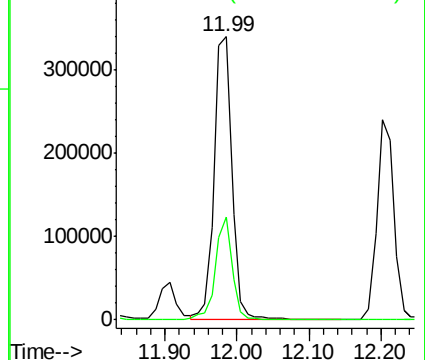
91 100

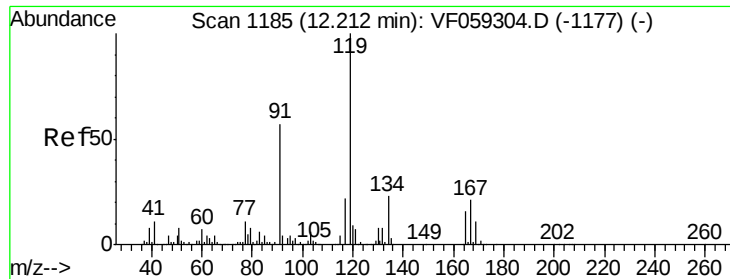
126 36.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





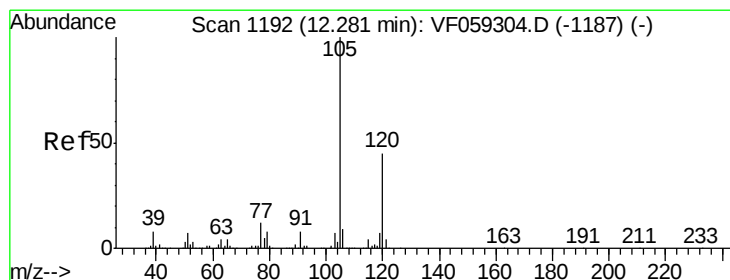
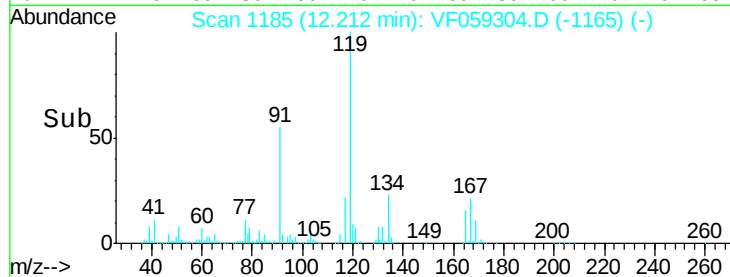
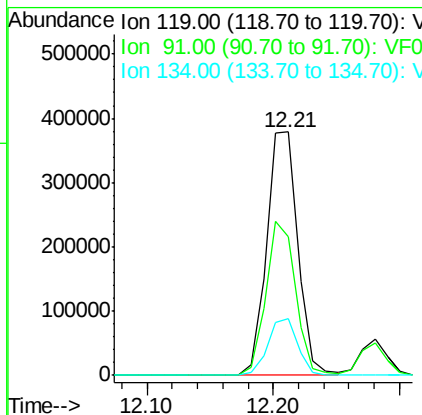
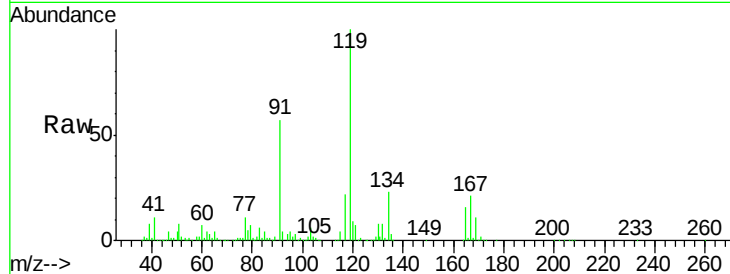
#83
 tert-Butylbenzene
 Concen: 43.70 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	652566		
91	56.8	28.4	85.2	
134	23.4	11.7	35.1	

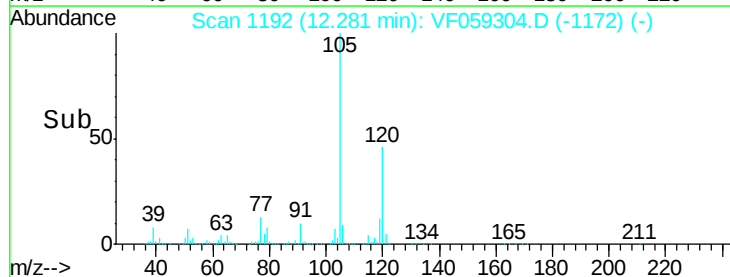
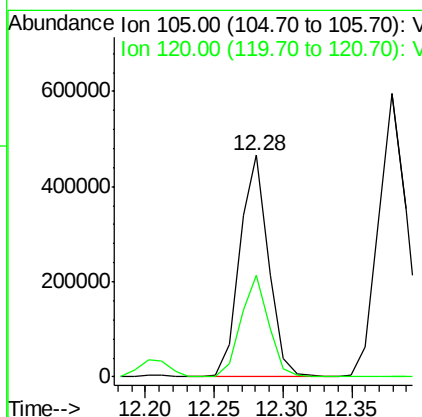
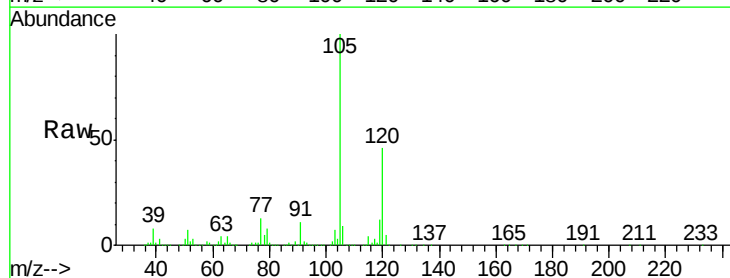
Manual Integrations
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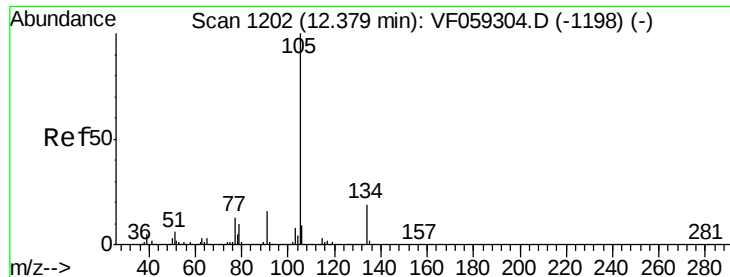
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#84
 1,2,4-Trimethylbenzene
 Concen: 43.19 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	675679		
120	45.6	22.8	68.4	





#85

sec-Butylbenzene

Concen: 42.72 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 856917

Ion Ratio Lower Upper

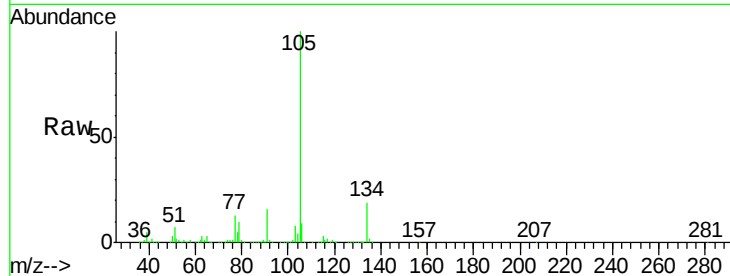
105 100

134 18.9 9.4 28.3

Manual Integrations
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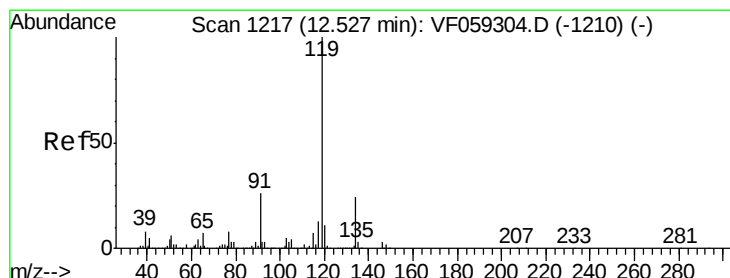
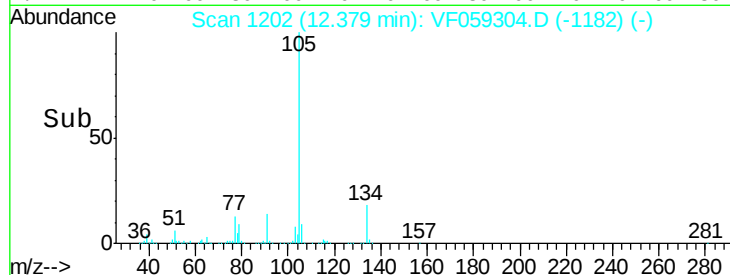
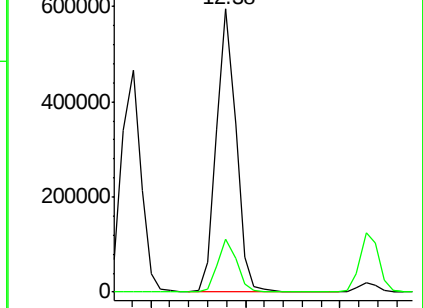
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.75 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

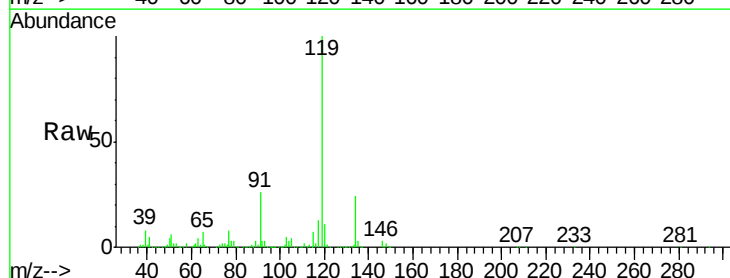
Tgt Ion:119 Resp: 719727

Ion Ratio Lower Upper

119 100

134 24.3 12.2 36.4

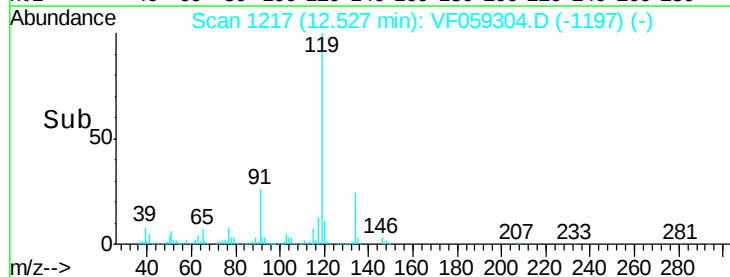
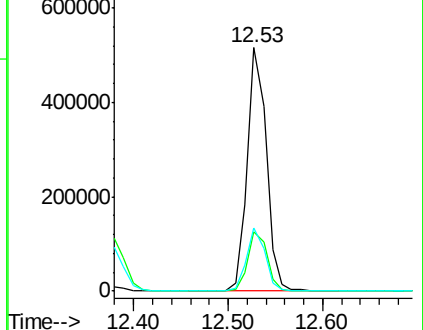
91 25.7 12.9 38.6

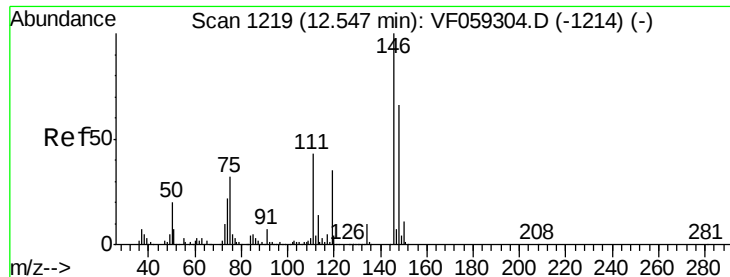


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





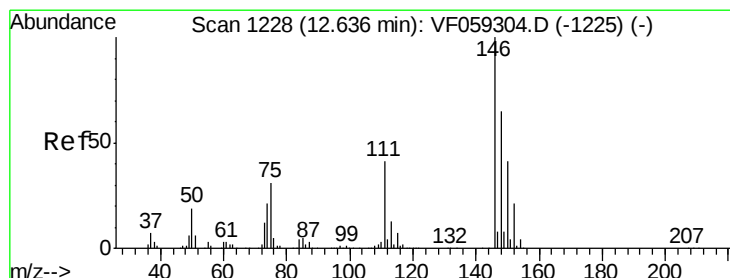
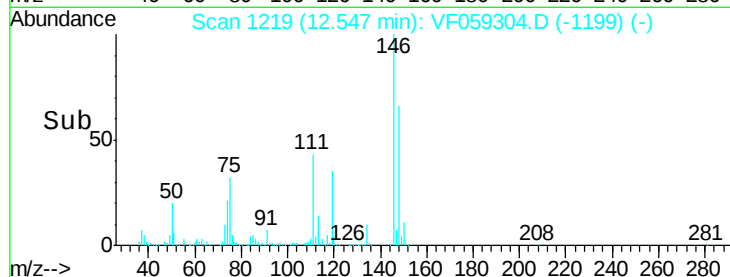
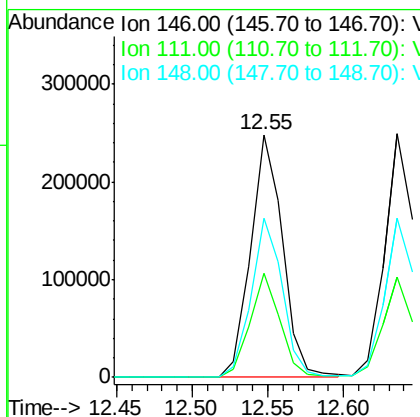
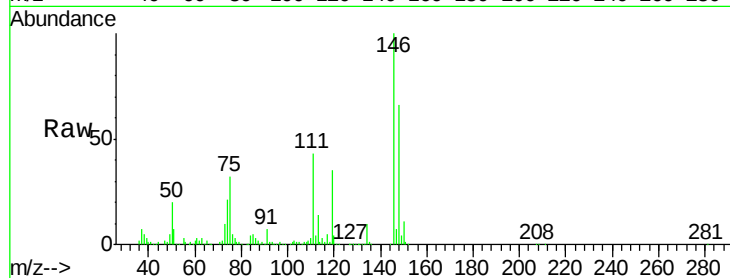
#87
 1,3-Dichlorobenzene
 Concen: 42.97 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	65.6	32.8	98.4

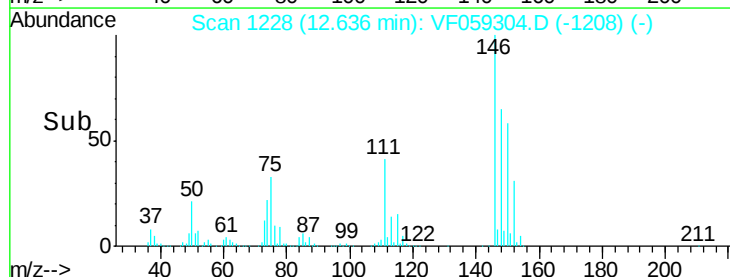
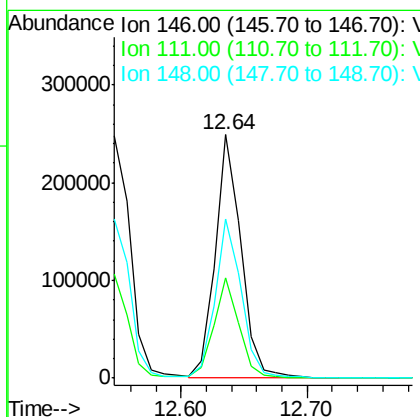
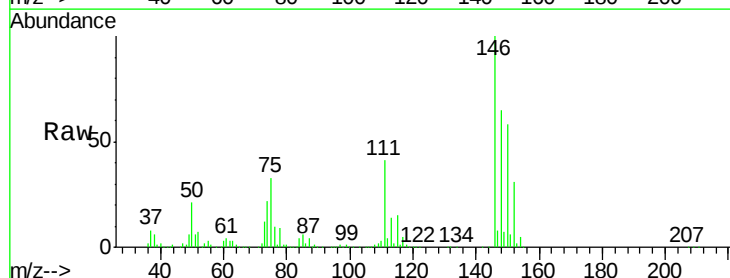
Manual Integrations
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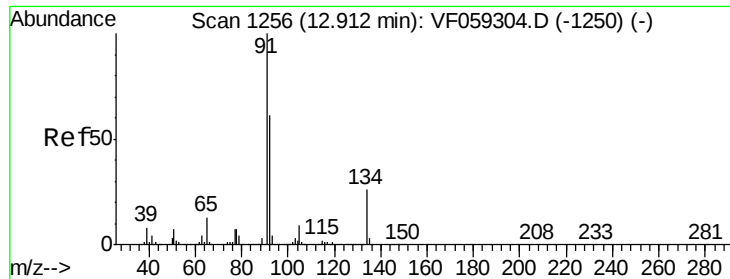
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#88
 1,4-Dichlorobenzene
 Concen: 42.24 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	65.5	32.8	98.3





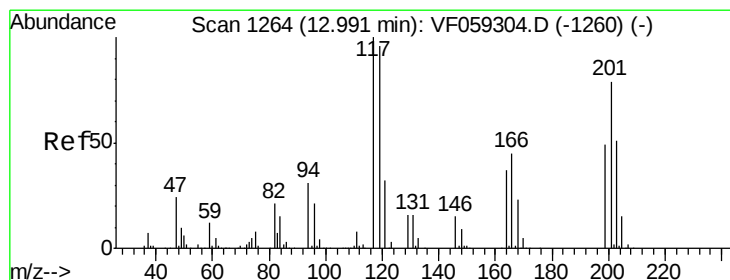
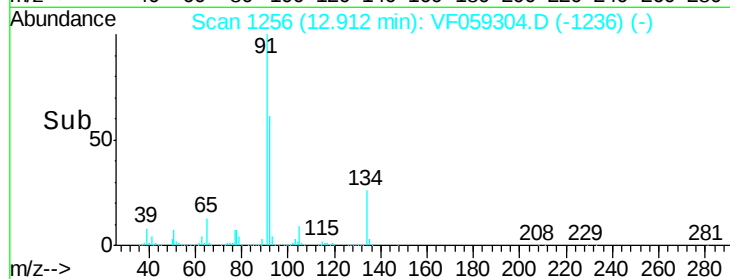
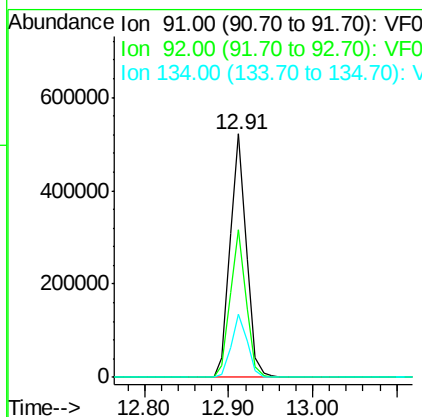
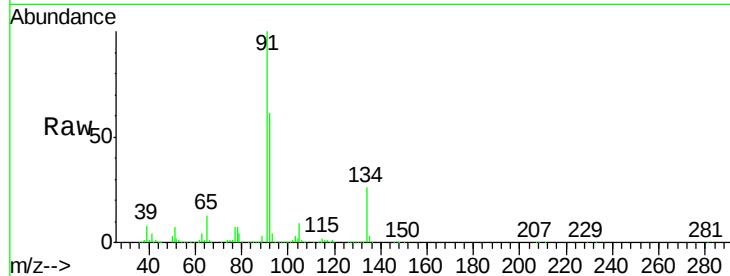
#89
n-Butylbenzene
Concen: 41.89 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.7	30.3	91.0
134	25.8	12.9	38.7

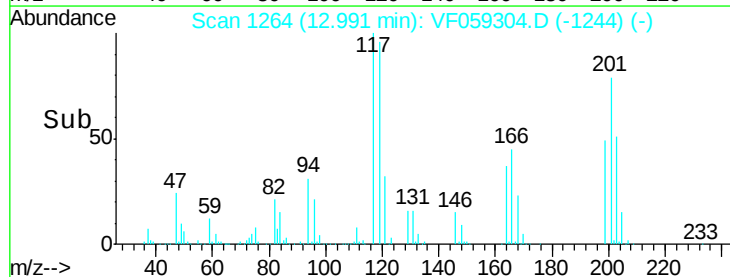
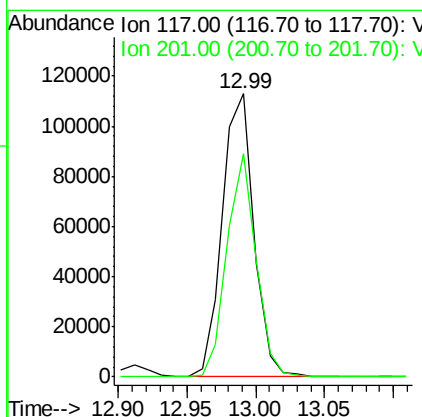
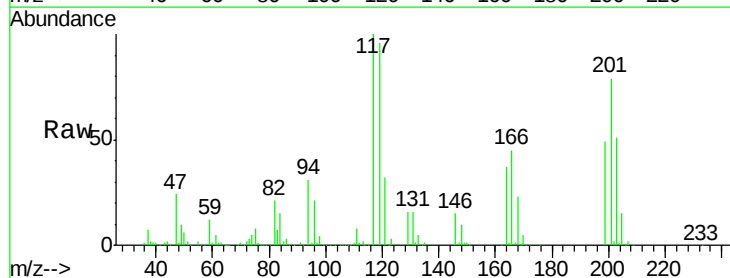
Manual Integrations
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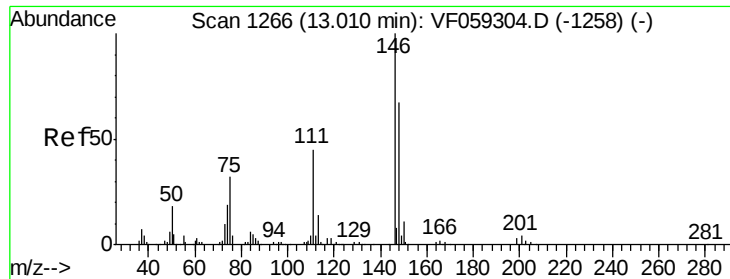
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#90
Hexachloroethane
Concen: 43.13 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059304.D
Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.5	118.5





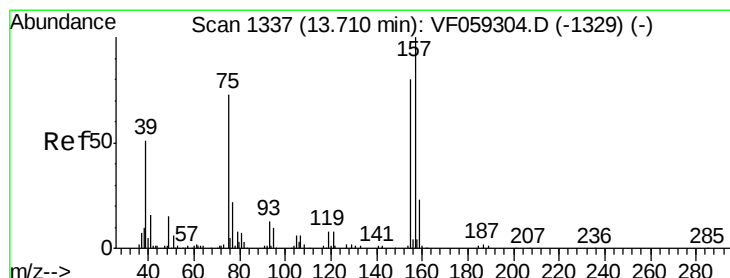
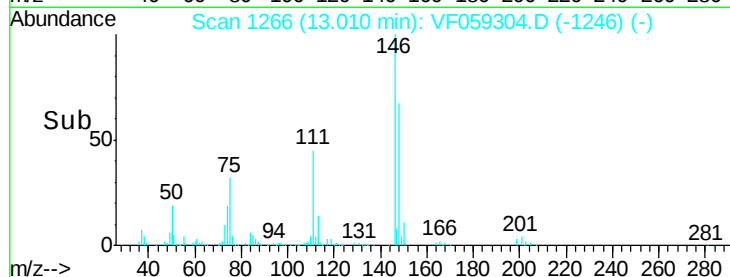
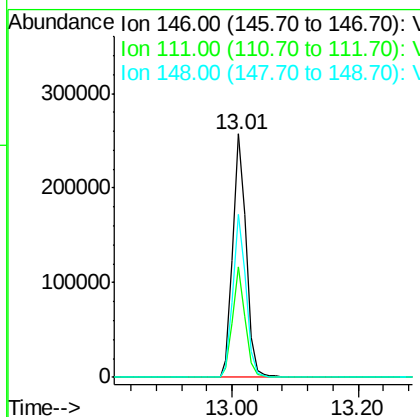
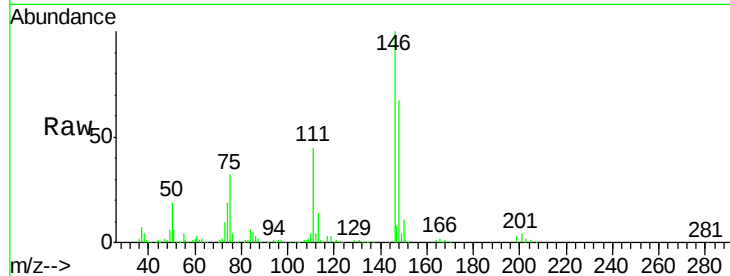
#91
 1,2-Dichlorobenzene
 Concen: 43.86 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	66.9	33.5	100.4

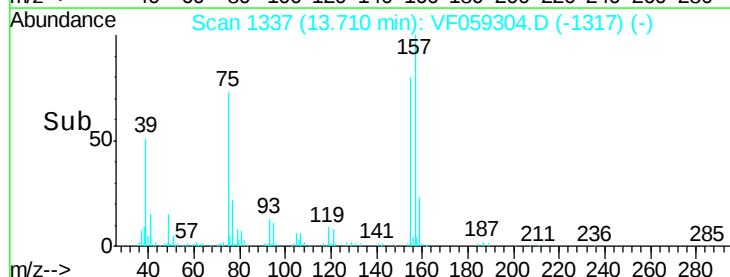
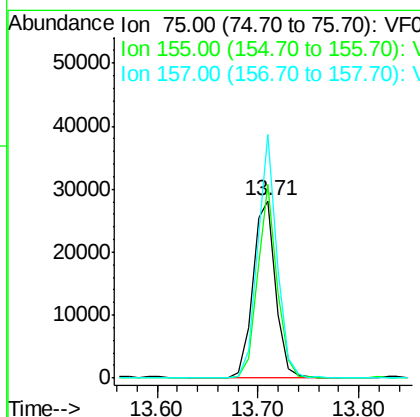
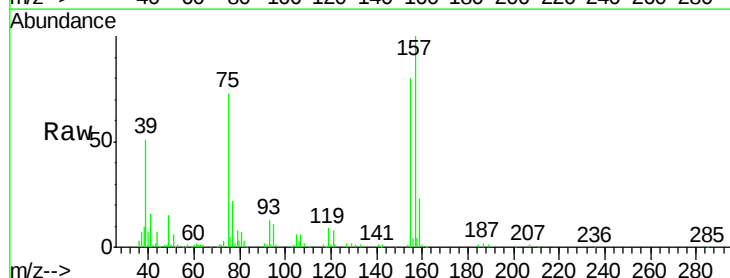
Manual Integrations
 APPROVED

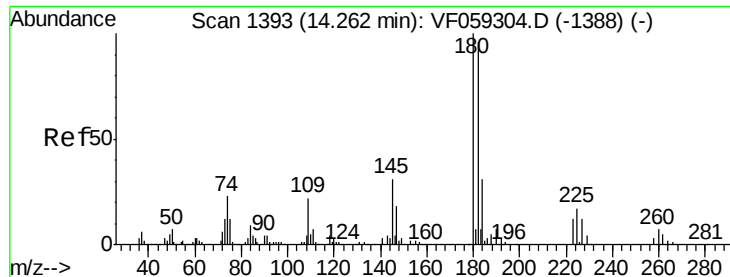
apatel
 6/26/2018 10:03:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.03 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.2	54.6	163.8
157	137.3	68.7	205.9





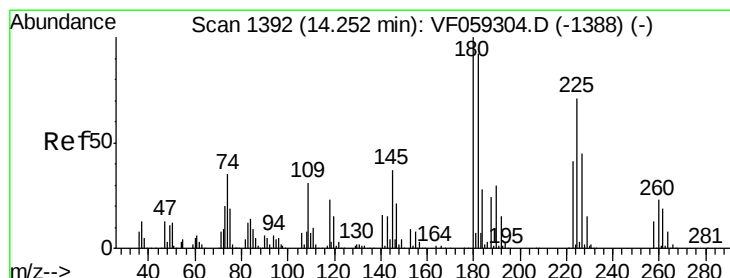
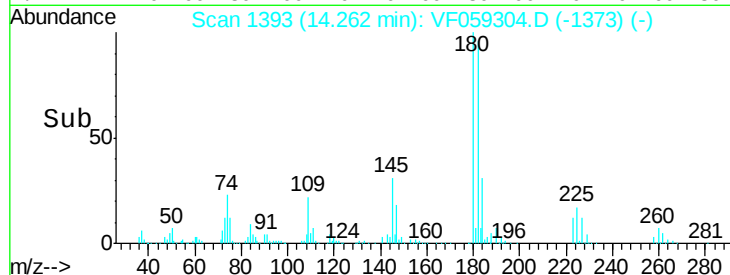
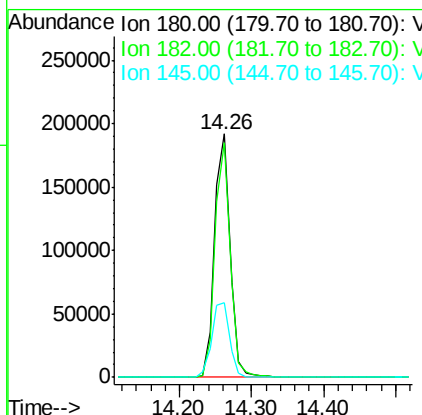
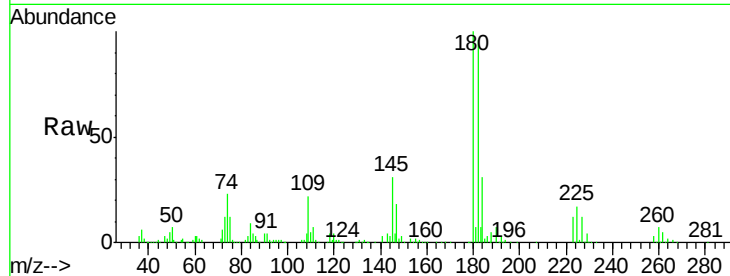
#93
 1,2,4-Trichlorobenzene
 Concen: 46.12 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285485		
182	96.2	48.1	144.3	
145	30.5	15.3	45.8	

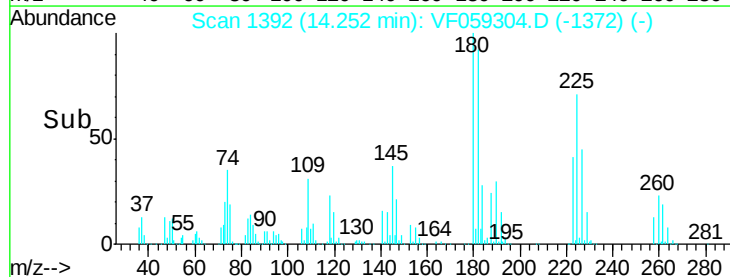
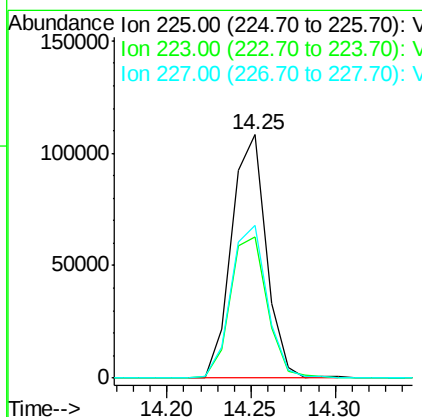
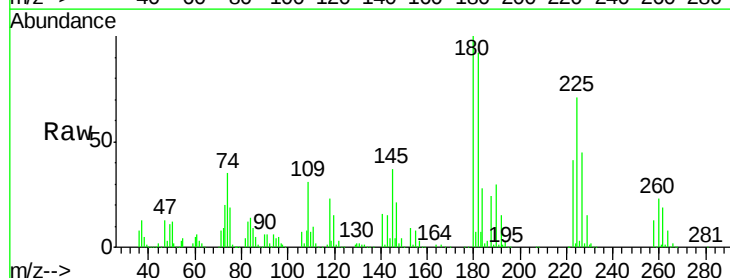
Manual Integrations
 APPROVED

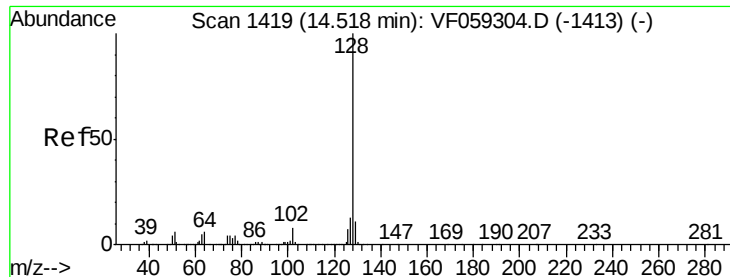
apatel
 6/26/2018 10:03:17 AM



#94
 Hexachlorobutadiene
 Concen: 42.67 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059304.D
 Acq: 25 Jun 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154575		
223	57.9	28.9	86.8	
227	62.5	31.3	93.8	





#95

Naphthalene

Concen: 49.46 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Instrument :

MSVOA_F

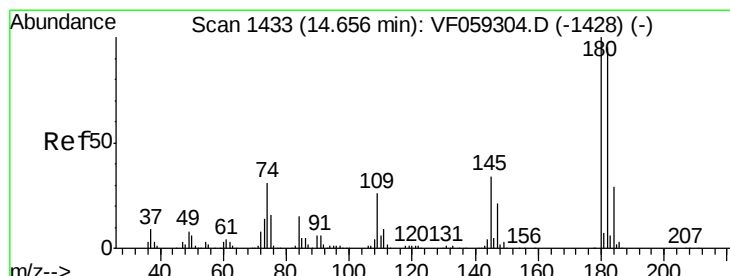
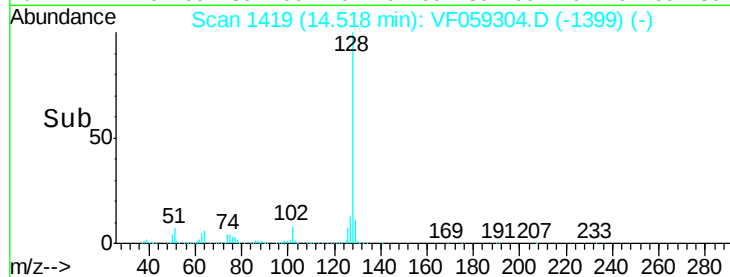
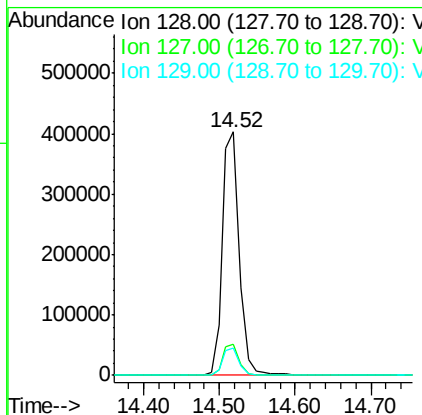
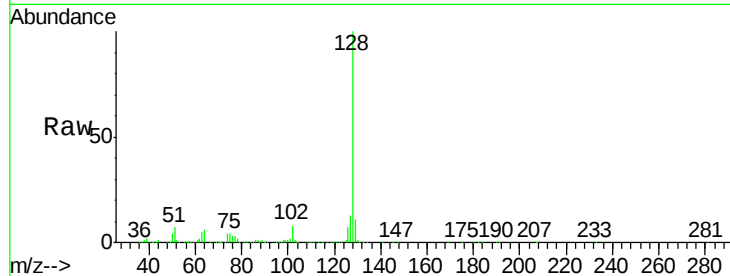
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	631108
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
6/26/2018 10:03:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.56 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VF059304.D

Acq: 25 Jun 2018 16:13

Tgt Ion:	180	Resp:	276912
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	33.9	17.0	50.9

