

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059329.D
 Acq On : 26 Jun 2018 21:22
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 6.28q/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 6/27/2018 5:48:31 PM

Quant Time: Jun 27 05:38:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	277308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	451051	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	435792	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	247313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	162379	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
35) Dibromofluoromethane	4.28	113	146201	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	
50) Toluene-d8	7.69	98	387209	47.45	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.49	95	199613	43.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	113432	44.77	ug/l	92
3) Chloromethane	1.08	50	81355	47.80	ug/l	96
4) Vinyl Chloride	1.14	62	88496	52.82	ug/l	100
5) Bromomethane	1.34	94	55814	59.89	ug/l	98
6) Chloroethane	1.42	64	42531	50.40	ug/l	92
7) Trichlorofluoromethane	1.48	101	153621m	46.37	ug/l	
8) Diethyl Ether	1.69	74	42331	49.83	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	99747	51.58	ug/l	98
10) Methyl Iodide	1.96	142	178365m	50.58	ug/l	
11) Tert butyl alcohol	2.68	59	56506	236.90	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	88247	53.98	ug/l	87
13) Acrolein	2.08	56	26977	236.13	ug/l	84
14) Allyl chloride	2.18	41	165618	53.96	ug/l	90
15) Acrylonitrile	3.05	53	119359	284.17	ug/l	91
16) Acetone	2.32	43	185597	205.61	ug/l	95
17) Carbon Disulfide	1.83	76	196100	50.99	ug/l #	92
18) Methyl Acetate	2.44	43	84595	52.37	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	307010	50.34	ug/l #	93
20) Methylene Chloride	2.27	84	101816m	50.79	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	93706	53.73	ug/l	92
22) Diisopropyl ether	2.91	45	366985	54.00	ug/l	94
23) Vinyl Acetate	3.31	43	1116584	257.98	ug/l	99
24) 1,1-Dichloroethane	2.98	63	214627	50.94	ug/l	99
25) 2-Butanone	4.49	43	276287	254.97	ug/l	97
26) 2,2-Dichloropropane	3.74	77	140048	48.19	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	144085	54.42	ug/l	81
28) Bromochloromethane	3.87	49	83349	51.65	ug/l	98
29) Tetrahydrofuran	4.23	42	124699	271.36	ug/l	97
30) Chloroform	4.02	83	297596	48.79	ug/l	98
31) Cyclohexane	3.84	56	151152	54.76	ug/l	87
32) 1,1,1-Trichloroethane	4.26	97	219005	49.06	ug/l	99
36) 1,1-Dichloropropene	4.43	75	194700	49.41	ug/l	99
37) Ethyl Acetate	4.27	43	127160	50.46	ug/l #	84
38) Carbon Tetrachloride	4.15	117	215536m	43.34	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	177882	50.94	ug/l	96
40) Benzene	4.79	78	423342	48.46	ug/l	100
41) Methacrylonitrile	4.91	41	62735	46.67	ug/l	95
42) 1,2-Dichloroethane	5.09	62	225504	44.17	ug/l	97
43) Isopropyl Acetate	7.10	43	162095	49.39	ug/l #	93
44) Trichloroethene	5.66	130	138525	46.22	ug/l	94
45) 1,2-Dichloropropane	6.38	63	121402	48.64	ug/l	98
46) Dibromomethane	6.24	93	100696	46.48	ug/l	98
47) Bromodichloromethane	6.53	83	241804	46.11	ug/l	97
48) Methyl methacrylate	6.86	41	104014	47.29	ug/l	94
49) 1,4-Dioxane	6.85	88	15741	1356.33	ug/l	96
51) 4-Methyl-2-Pentanone	8.39	43	565384	232.52	ug/l	97
52) Toluene	7.76	92	307967	47.11	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	205140	42.91	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	229638	44.23	ug/l	90
55) 1,1,2-Trichloroethane	8.62	97	118875	46.83	ug/l	96
56) Ethyl methacrylate	8.74	69	155414	49.43	ug/l	94
57) 1,3-Dichloropropane	8.98	76	203948	46.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	53630	227.42	ug/l	100
59) 2-Hexanone	9.61	43	445782	243.60	ug/l	99
60) Dibromochloromethane	8.84	129	177964	45.42	ug/l	98
61) 1,2-Dibromoethane	9.12	107	137887	44.79	ug/l	97
64) Tetrachloroethene	8.29	164	141900	50.20	ug/l	98
65) Chlorobenzene	9.92	112	386147	47.82	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	163342	46.77	ug/l	99
67) Ethyl Benzene	10.02	91	651812	47.58	ug/l	99
68) m/p-Xylenes	10.25	106	466500	95.67	ug/l	98
69) o-Xylene	10.81	106	264647	48.53	ug/l	97
70) Styrene	10.89	104	398195	47.93	ug/l	98
71) Bromoform	10.87	173	111840	46.72	ug/l	98
73) Isopropylbenzene	11.22	105	752972	52.26	ug/l	98
74) N-amyl acetate	11.45	43	280175	53.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	179759	49.40	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	133221	48.54	ug/l	96
77) Bromobenzene	11.58	156	201748	50.47	ug/l	89
78) n-propylbenzene	11.68	91	882155	50.98	ug/l	100
79) 2-Chlorotoluene	11.80	91	528252	49.97	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	636069	50.40	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	79175	48.46	ug/l	93
82) 4-Chlorotoluene	11.97	91	561832	49.62	ug/l	93
83) tert-Butylbenzene	12.20	119	636543	50.43	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	666754	50.16	ug/l	98
85) sec-Butylbenzene	12.38	105	846760	50.61	ug/l	99
86) p-Isopropyltoluene	12.53	119	719322	51.23	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	354265	54.05	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	355512	49.80	ug/l	98
89) n-Butylbenzene	12.91	91	724101	50.80	ug/l	97
90) Hexachloroethane	12.98	117	179583	51.31	ug/l	78
91) 1,2-Dichlorobenzene	13.01	146	359003	49.47	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	38244	47.41	ug/l	72

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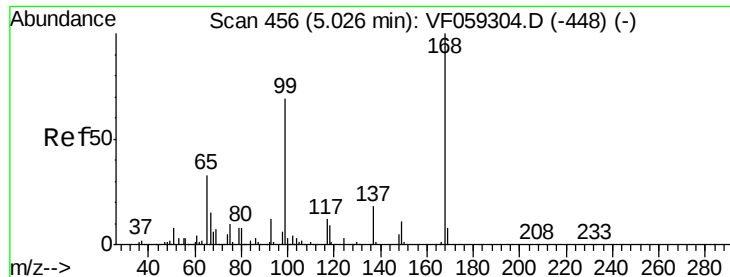
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	268770	50.09	ug/l	97
94) Hexachlorobutadiene	14.24	225	154301	51.48	ug/l	92
95) Naphthalene	14.51	128	585223	52.13	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260265	51.20	ug/l	98

(#) = 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: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 277308

Ion Ratio Lower Upper

168 100

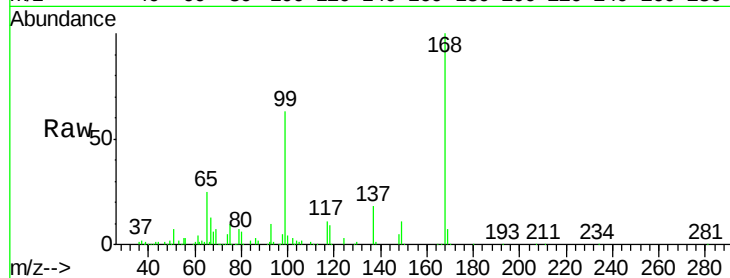
99 63.5 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

60000

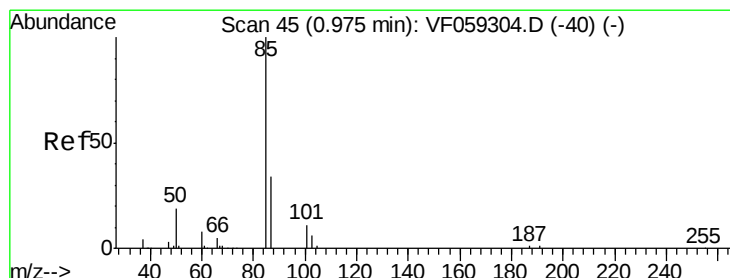
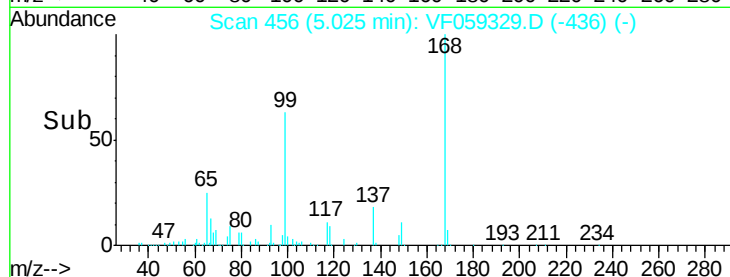
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 44.77 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059329.D

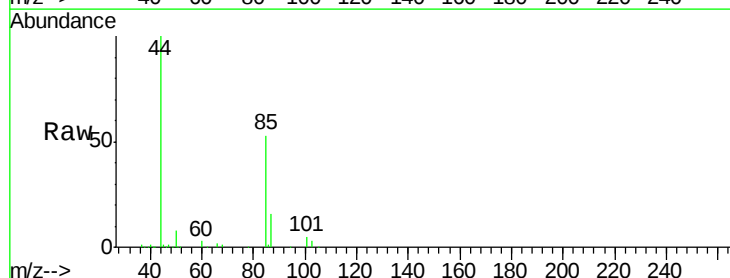
Acq: 26 Jun 2018 21:22

Tgt Ion: 85 Resp: 113432

Ion Ratio Lower Upper

85 100

87 29.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

30000

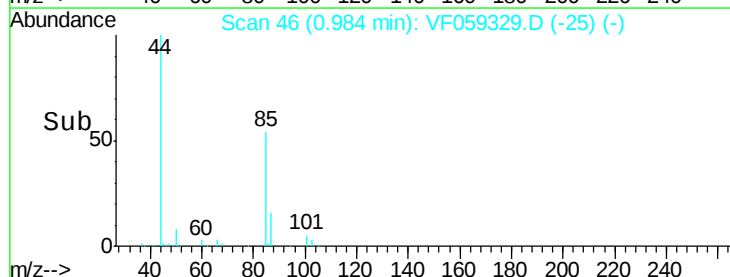
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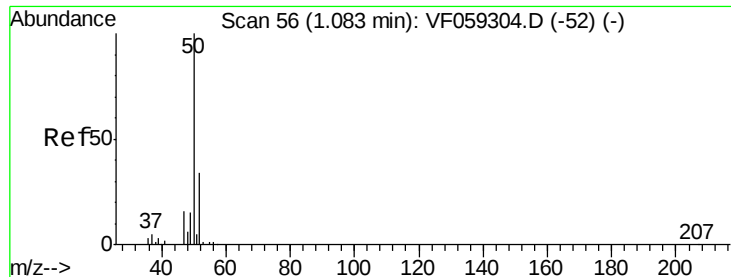
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.80 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 81355

Ion Ratio Lower Upper

50 100

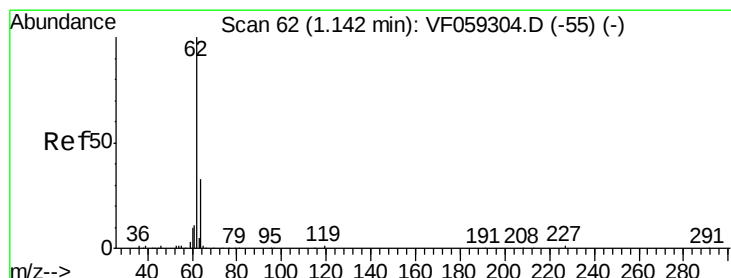
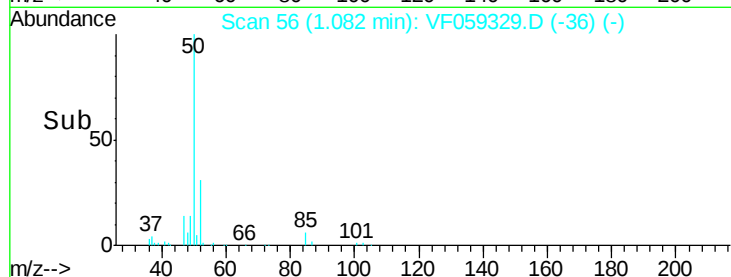
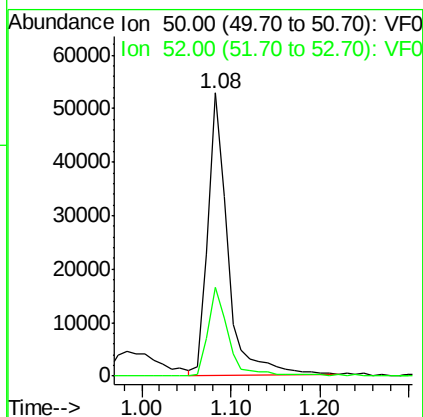
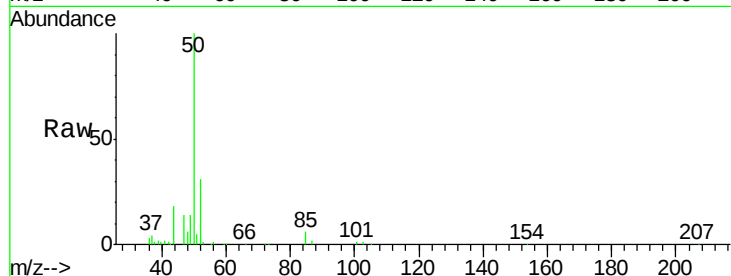
52 31.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.82 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059329.D

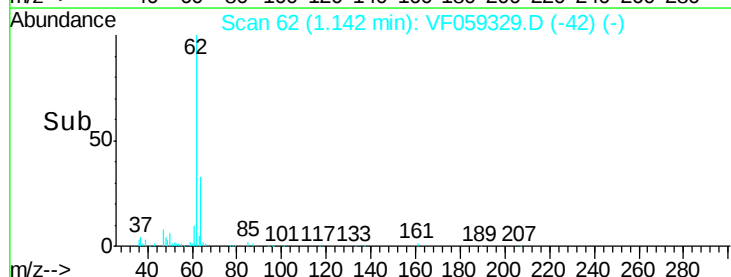
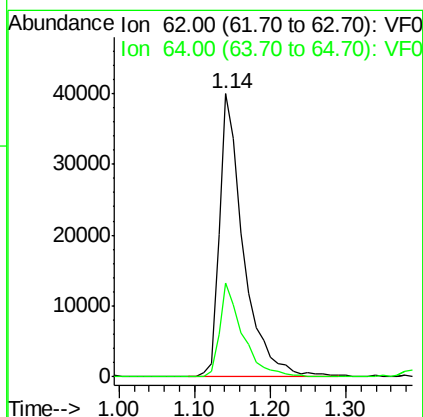
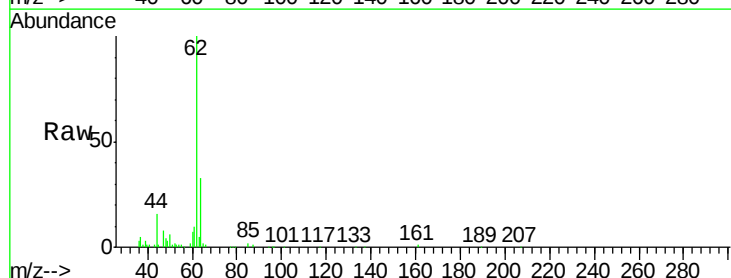
Acq: 26 Jun 2018 21:22

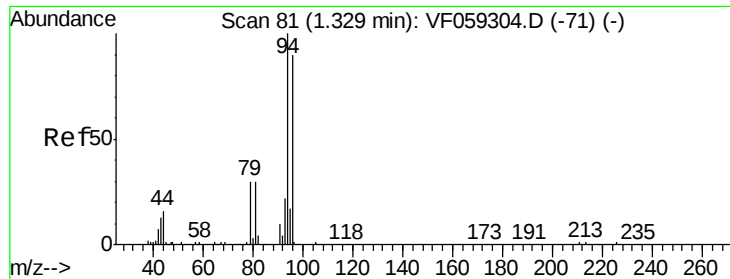
Tgt Ion: 62 Resp: 88496

Ion Ratio Lower Upper

62 100

64 33.1 26.3 39.5





#5

Bromomethane

Concen: 59.89 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 55814

Ion Ratio Lower Upper

94 100

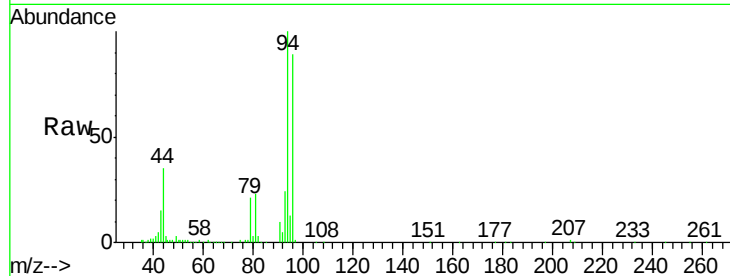
96 89.7 73.4 110.0

Manual Integrations

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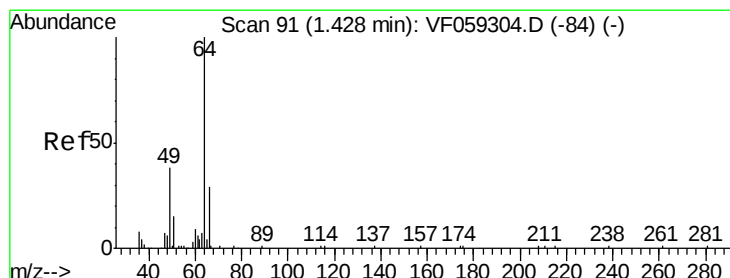
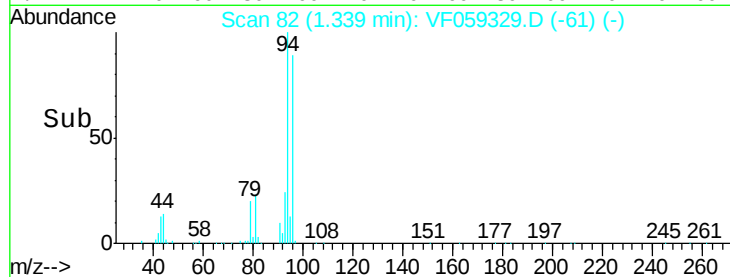
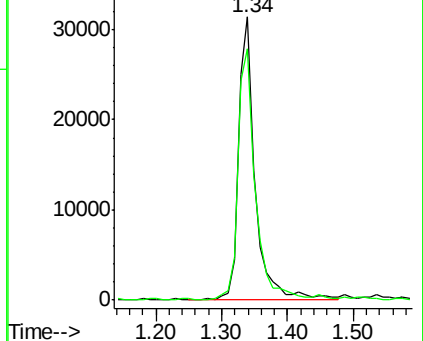
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 50.40 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059329.D

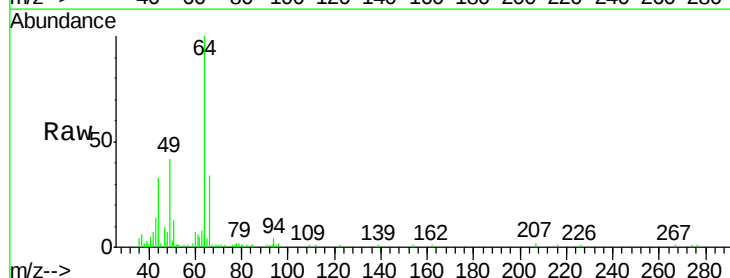
Acq: 26 Jun 2018 21:22

Tgt Ion: 64 Resp: 42531

Ion Ratio Lower Upper

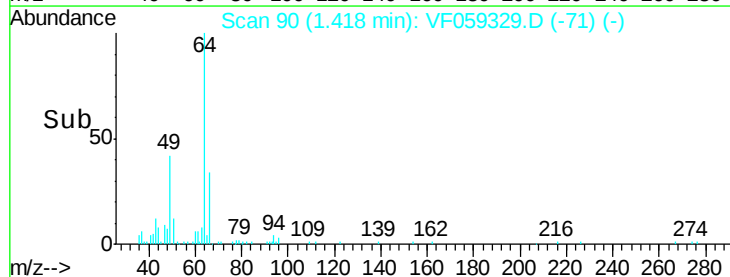
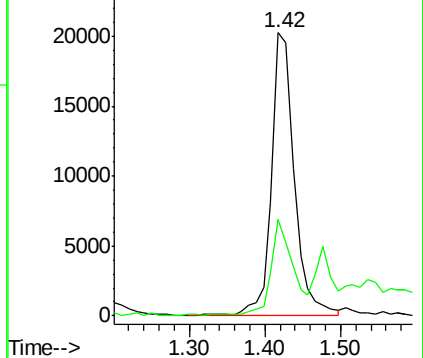
64 100

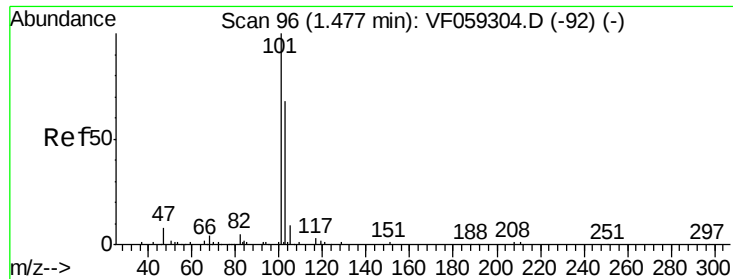
66 34.2 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

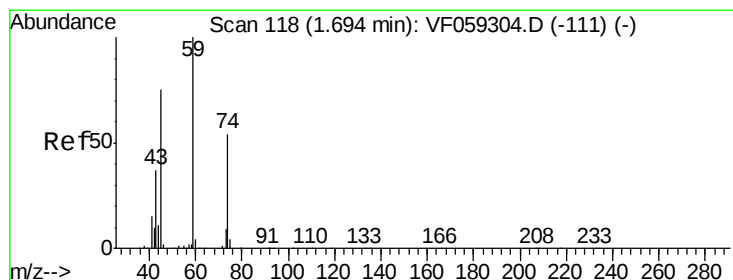
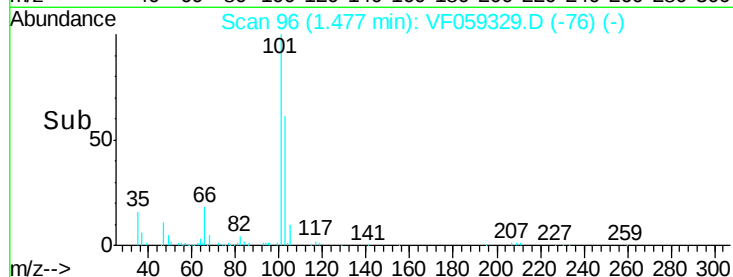
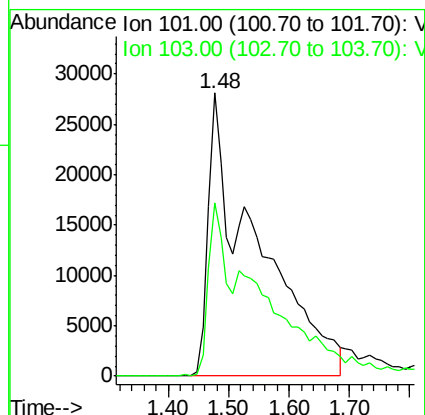
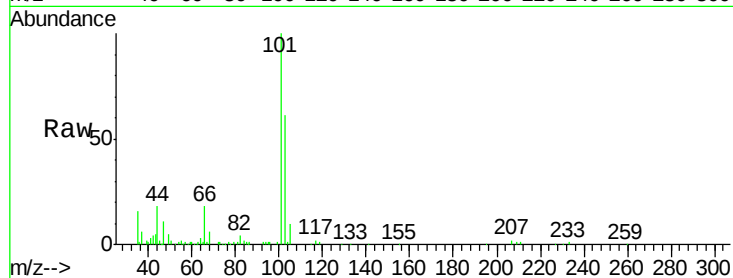
Trichlorofluoromethane
Concen: 46.37 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059329.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	54.2	81.2

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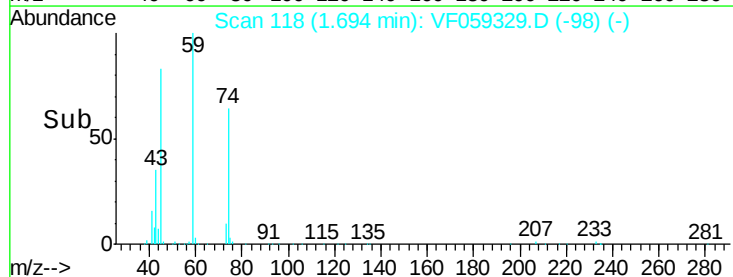
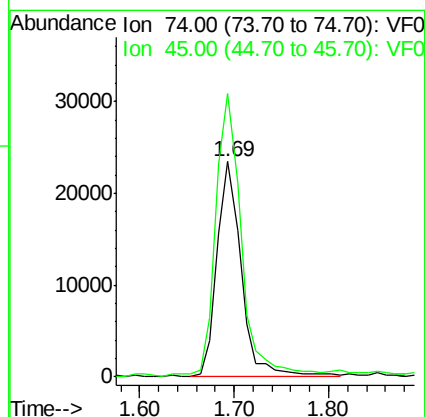
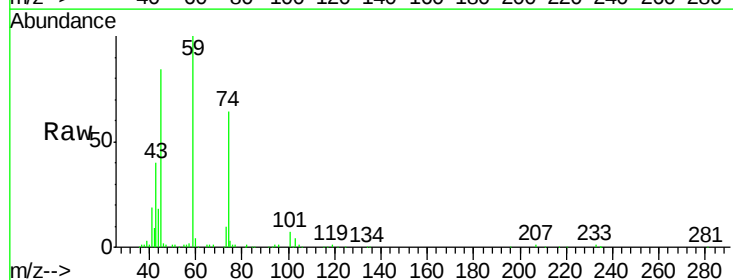
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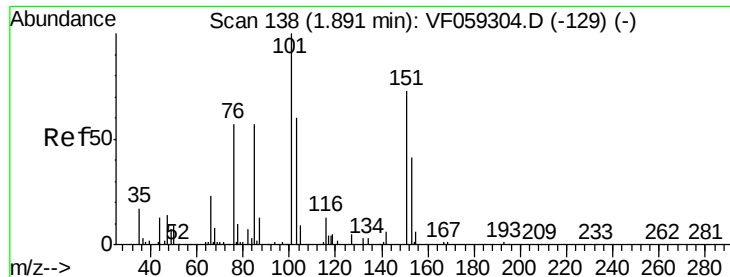


#8

Diethyl Ether
Concen: 49.83 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.4	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.58 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

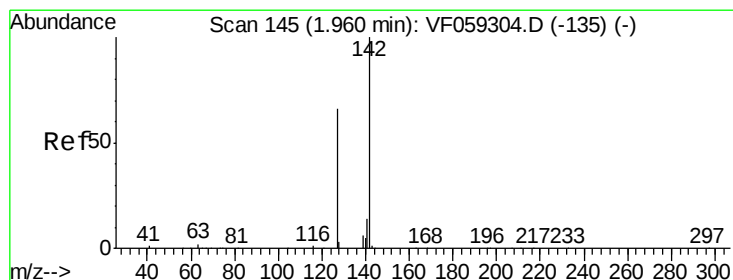
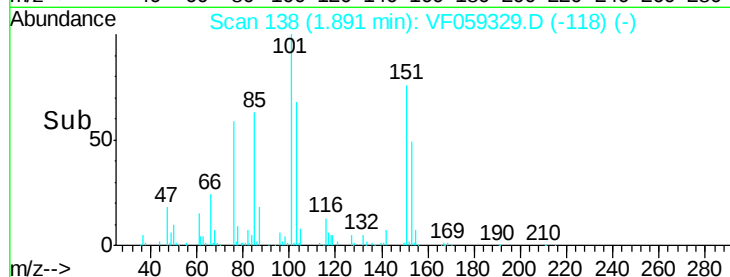
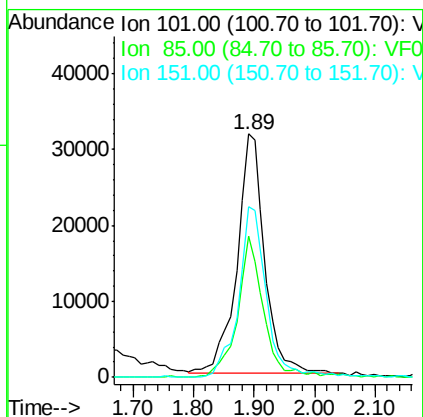
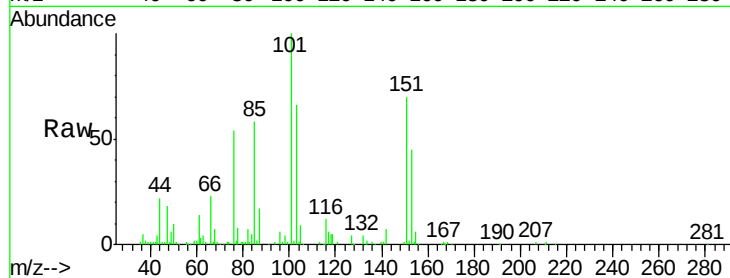
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99747
Ion Ratio	Lower	Upper	
101	100		
85	58.0	44.5	66.7
151	69.9	56.8	85.2

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#10

Methyl Iodide

Concen: 50.58 ug/l m

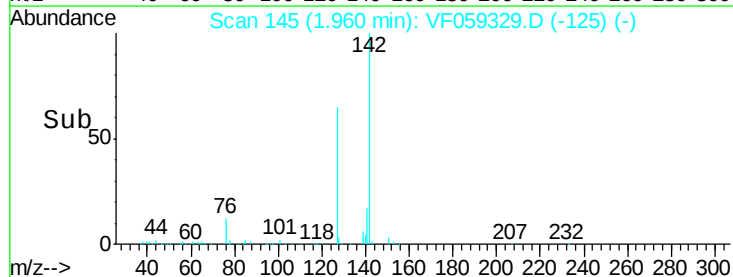
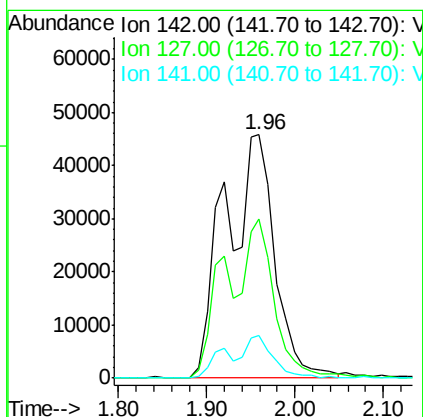
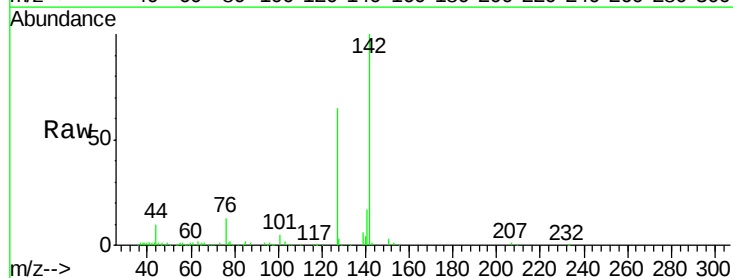
RT: 1.96 min Scan# 145

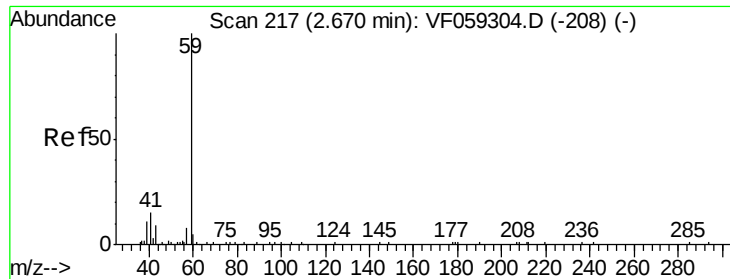
Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	142	Resp:	178365
Ion Ratio	Lower	Upper	
142	100		
127	65.5	52.5	78.7
141	17.3	11.5	17.3#





#11

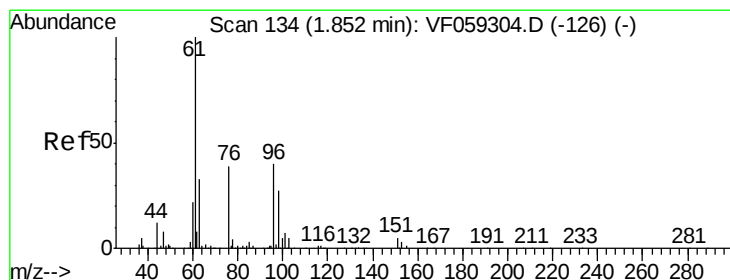
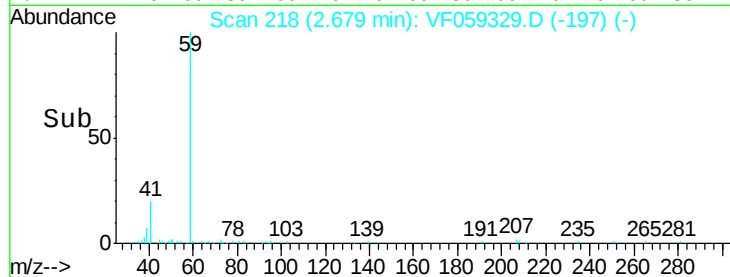
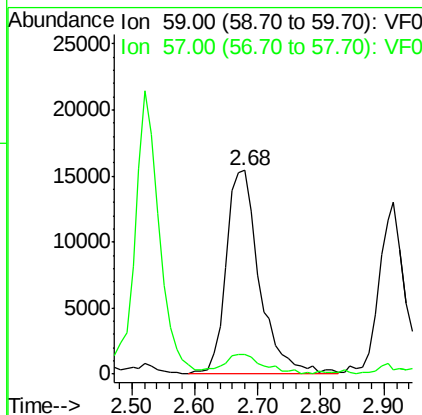
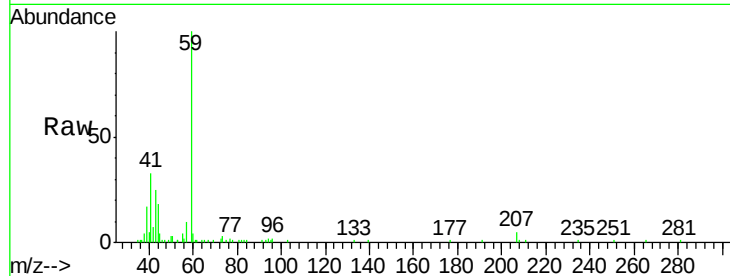
Tert butyl alcohol
Concen: 236.90 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	11.0	16.4#

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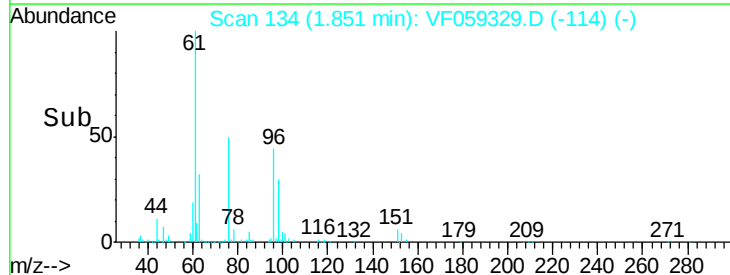
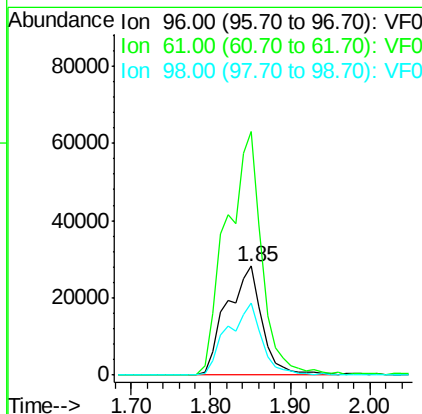
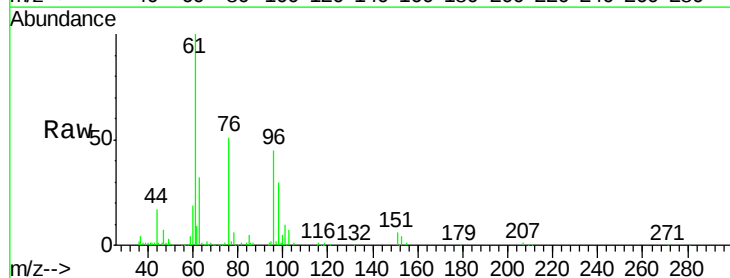
apatel
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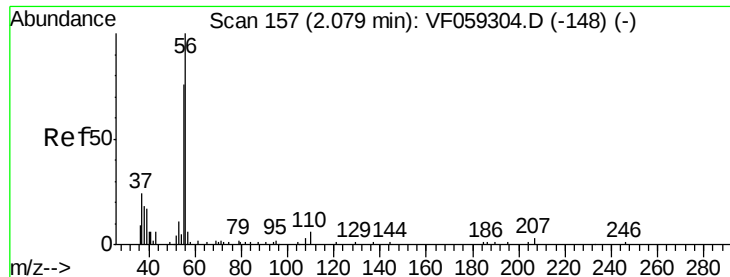


#12

1,1-Dichloroethene
Concen: 53.98 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.8	201.1	301.7
98	66.2	53.9	80.9





#13

Acrolein

Concen: 236.13 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 26977

Ion Ratio Lower Upper

56 100

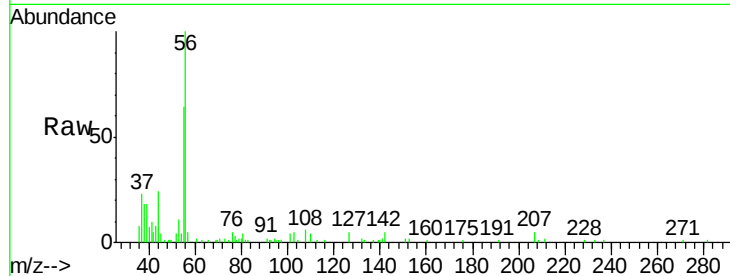
55 64.1 62.4 93.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

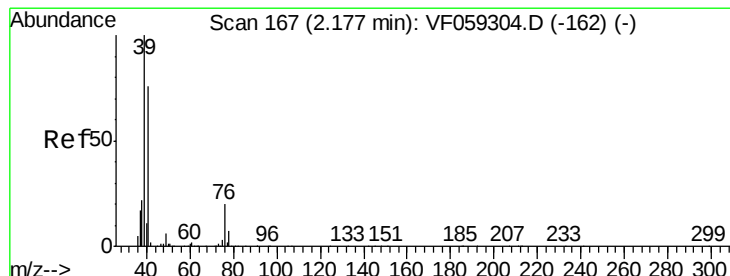
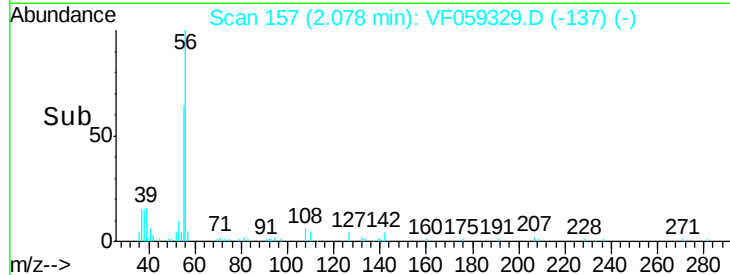
2.08

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 53.96 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

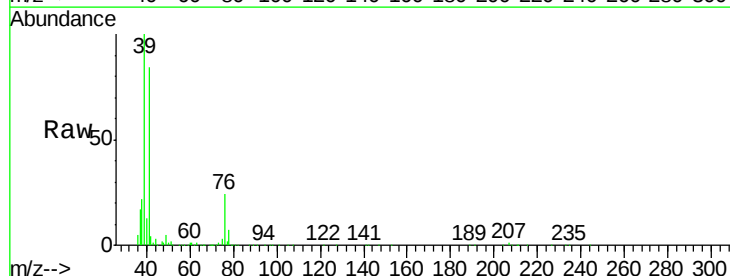
Tgt Ion: 41 Resp: 165618

Ion Ratio Lower Upper

41 100

39 119.3 105.6 158.4

76 28.7 21.6 32.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

120000

100000

80000

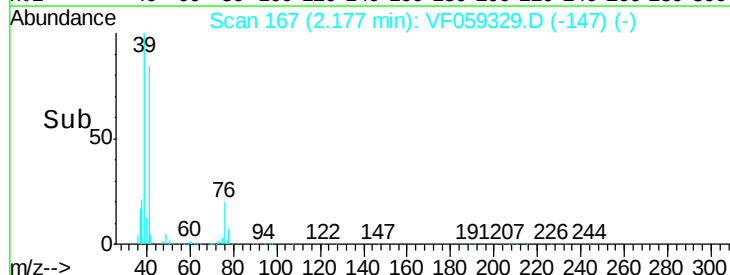
60000

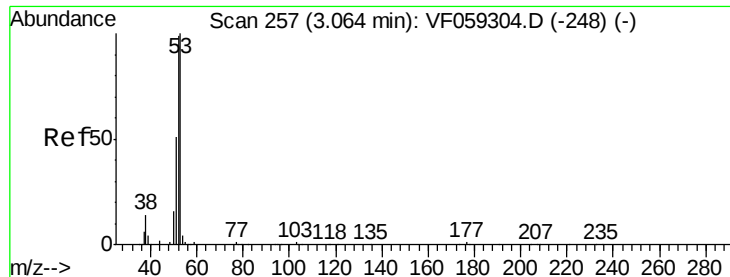
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 284.17 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

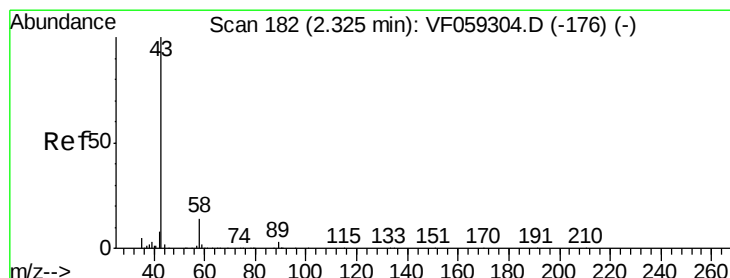
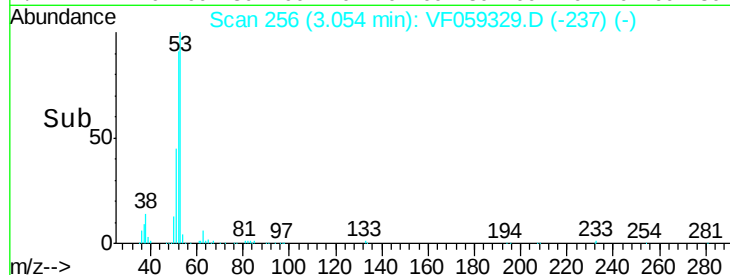
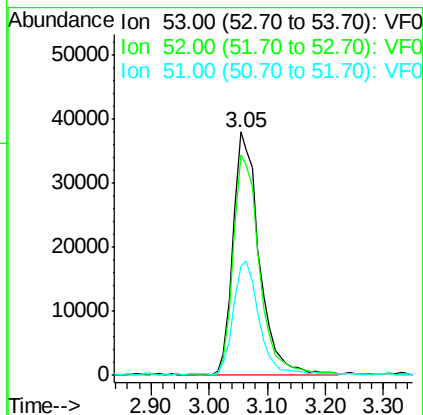
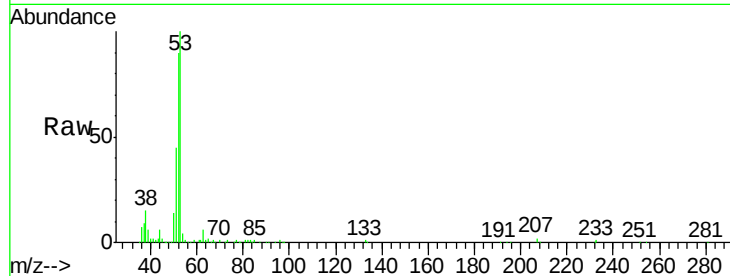
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	119359
Ion	Ratio	Lower	Upper
53	100		
52	90.4	79.2	118.8
51	45.0	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 205.61 ug/l

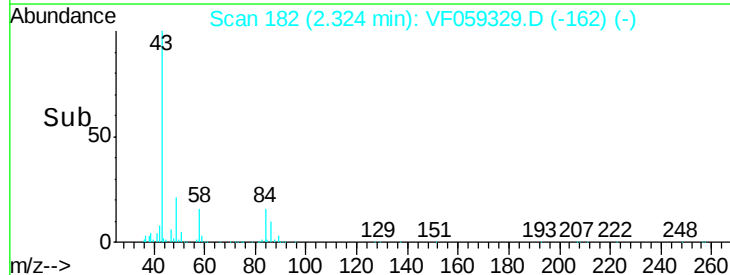
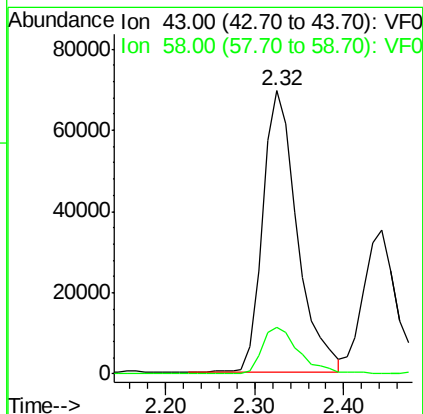
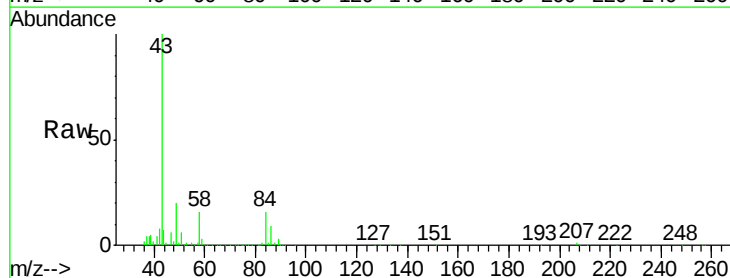
RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	43	Resp:	185597
Ion	Ratio	Lower	Upper
43	100		
58	16.3	11.4	17.0





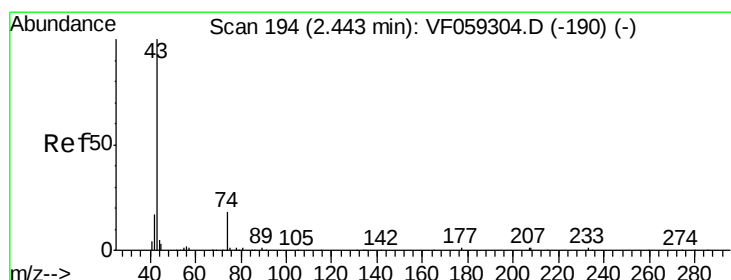
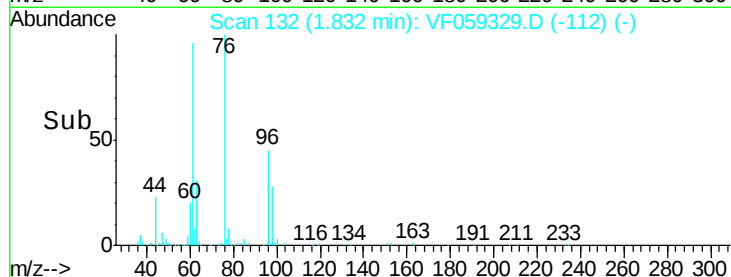
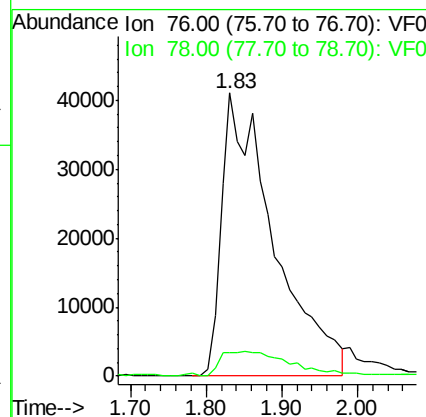
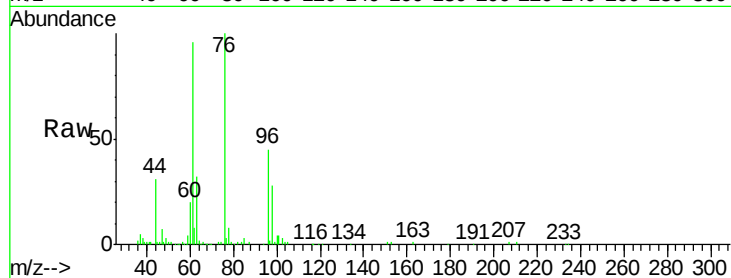
#17
Carbon Disulfide
Concen: 50.99 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	8.9	13.3#

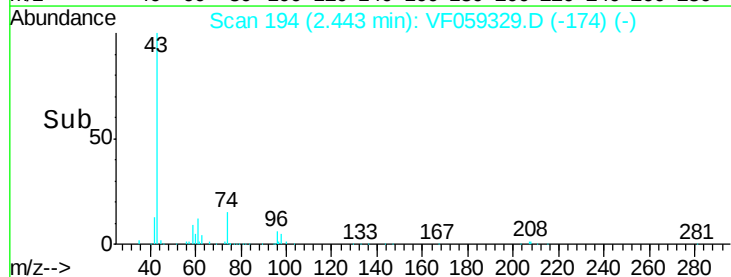
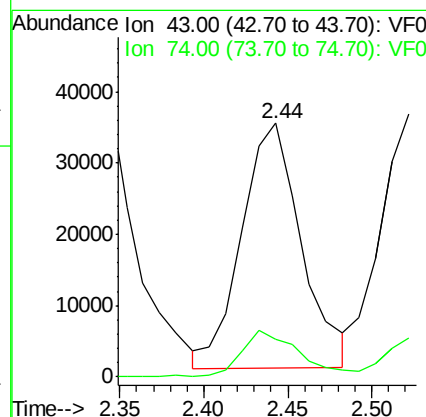
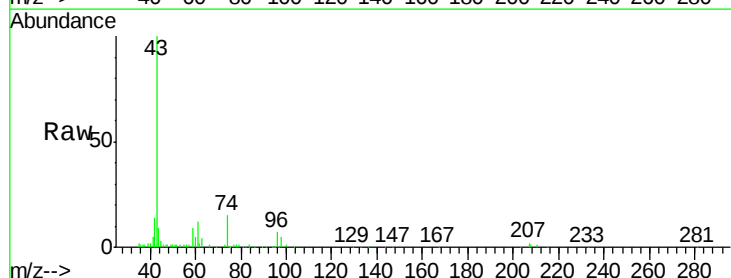
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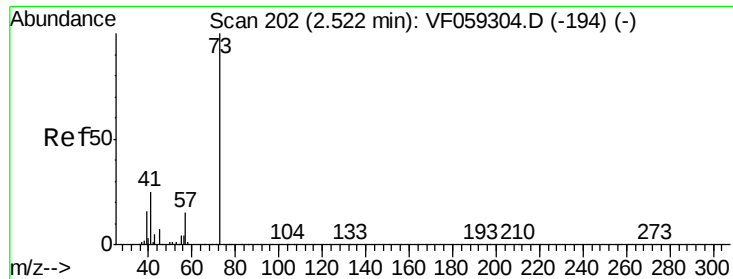
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#18
Methyl Acetate
Concen: 52.37 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.0	13.3	19.9





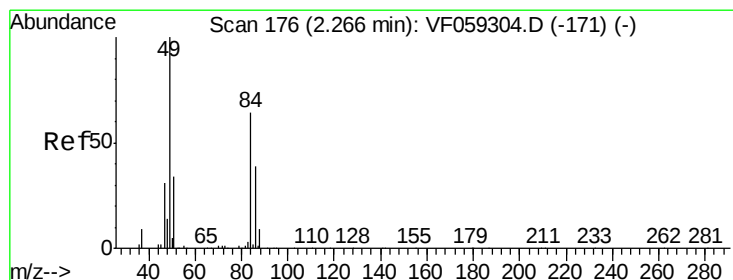
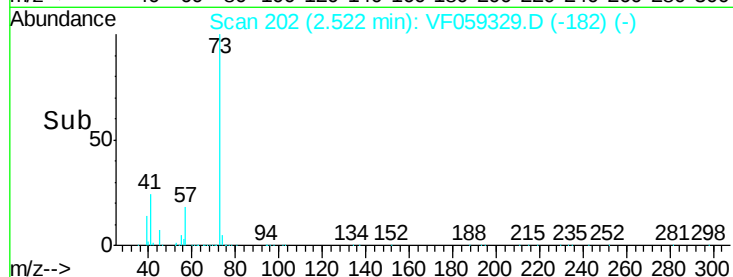
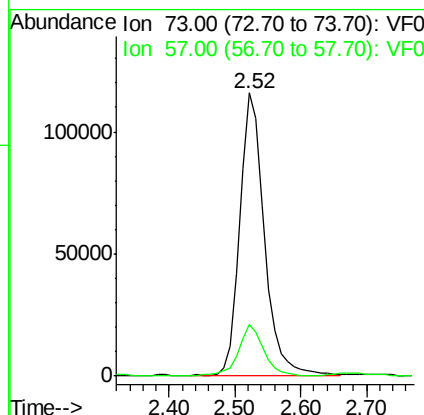
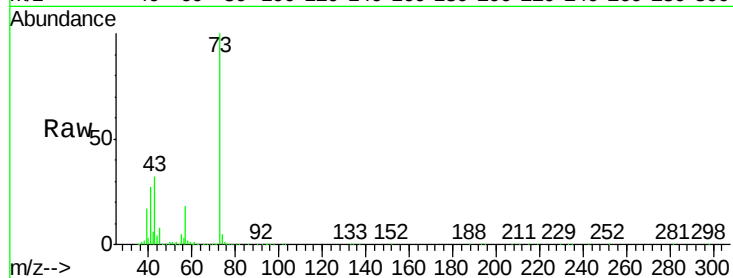
#19
Methyl tert-butyl Ether
Concen: 50.34 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	12.3	18.5#

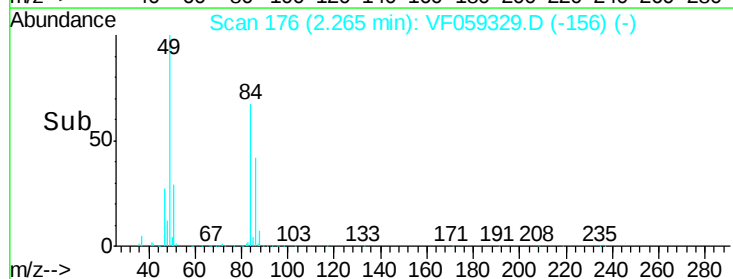
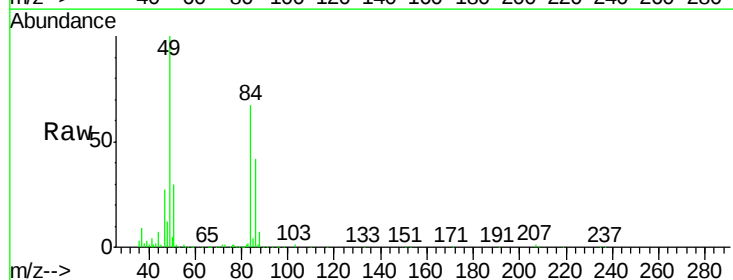
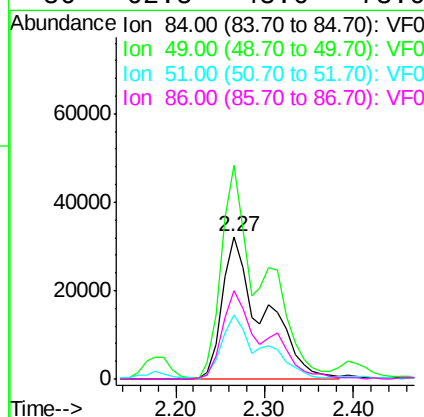
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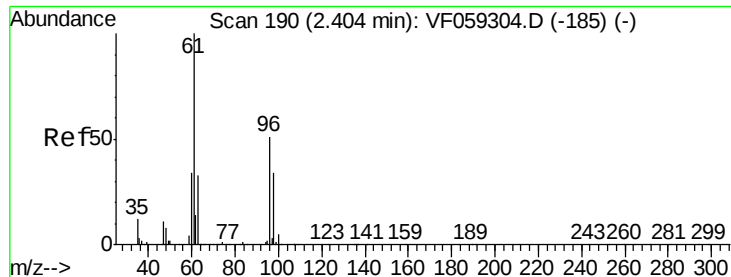
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#20
Methylene Chloride
Concen: 50.79 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.3	126.5	189.7
51	44.9	42.9	64.3
86	62.5	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 53.73 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

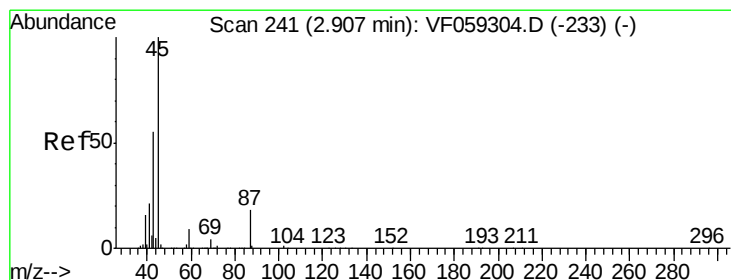
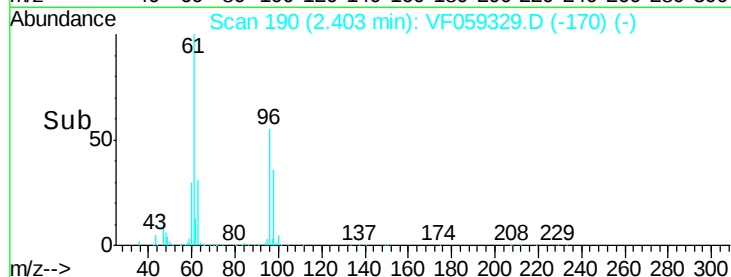
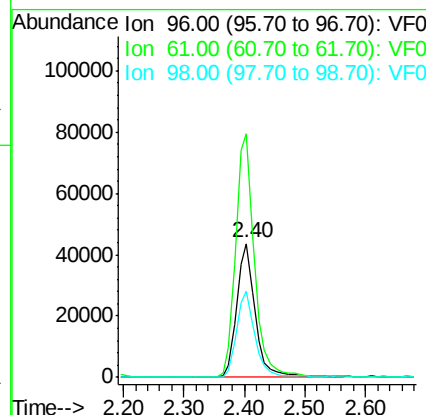
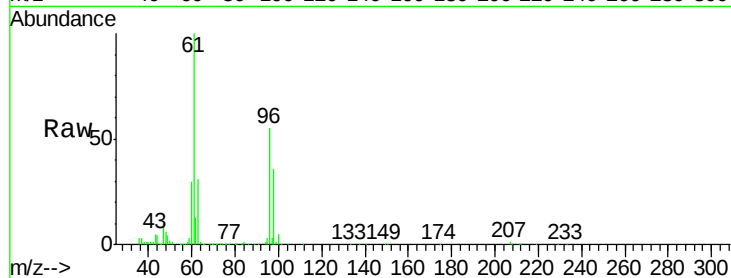
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	93706
Ion	Ratio	Lower	Upper
96	100		
61	181.7	157.4	236.2
98	64.7	53.7	80.5

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#22

Diisopropyl ether

Concen: 54.00 ug/l

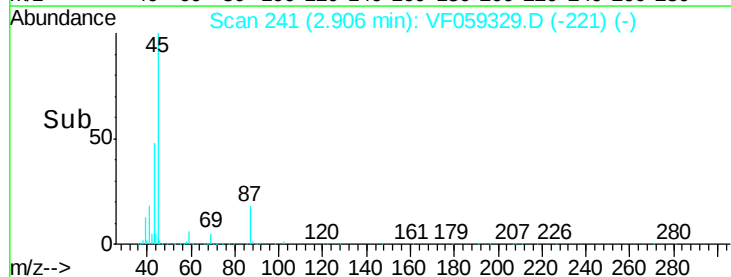
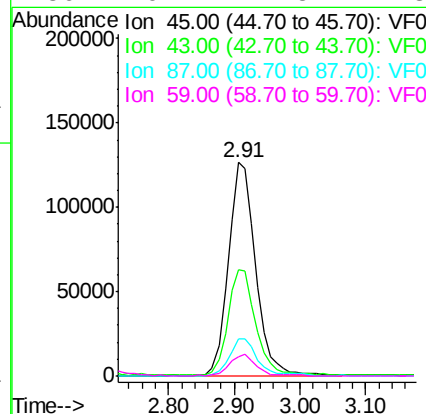
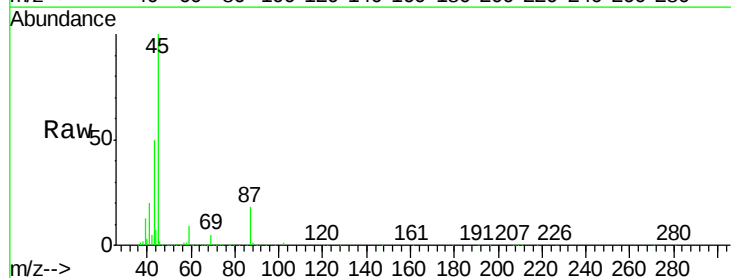
RT: 2.91 min Scan# 241

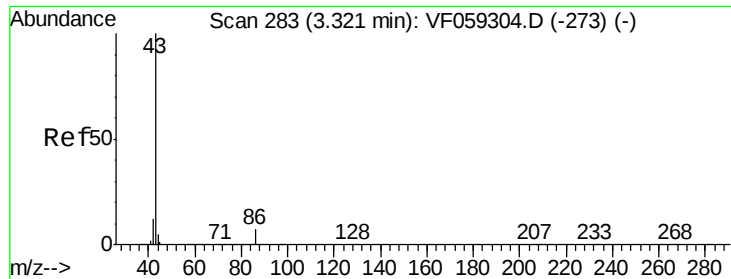
Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	45	Resp:	366985
Ion	Ratio	Lower	Upper
45	100		
43	49.6	44.6	66.8
87	17.5	14.3	21.5
59	9.2	7.5	11.3





#23

Vinyl Acetate

Concen: 257.98 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1116584

Ion Ratio Lower Upper

43 100

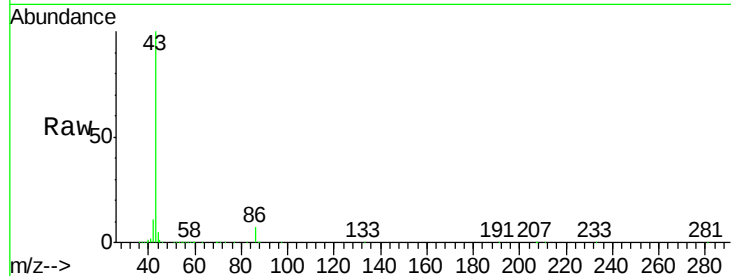
86 6.8 5.8 8.6

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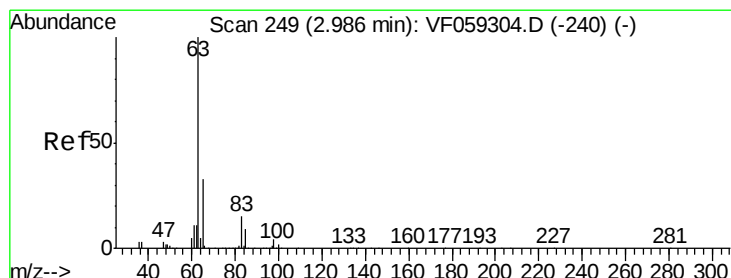
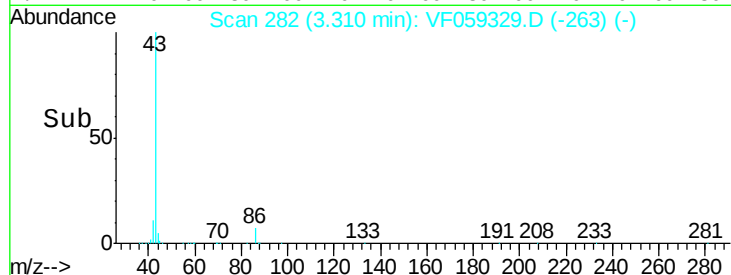
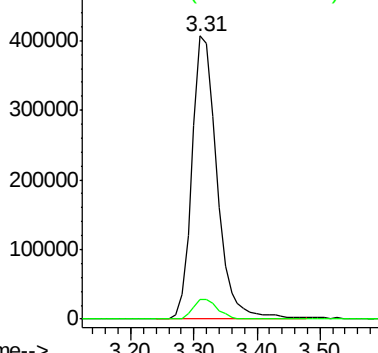
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 50.94 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

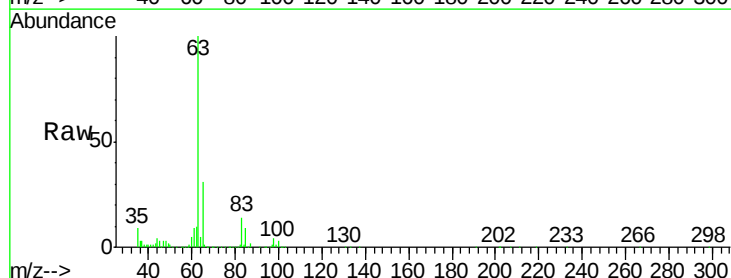
Tgt Ion: 63 Resp: 214627

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

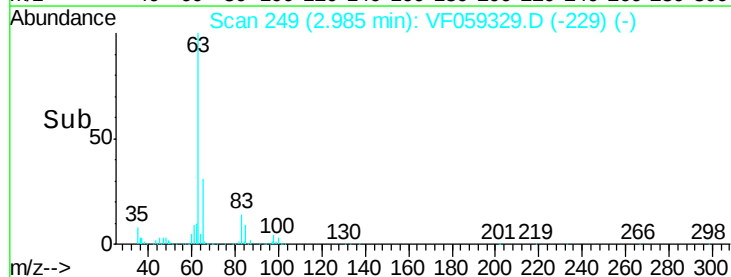
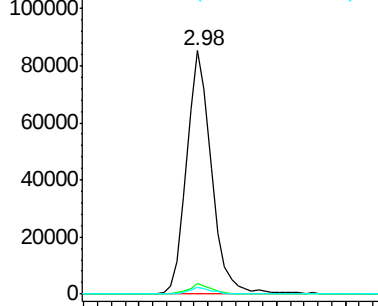
100 2.6 1.3 3.9

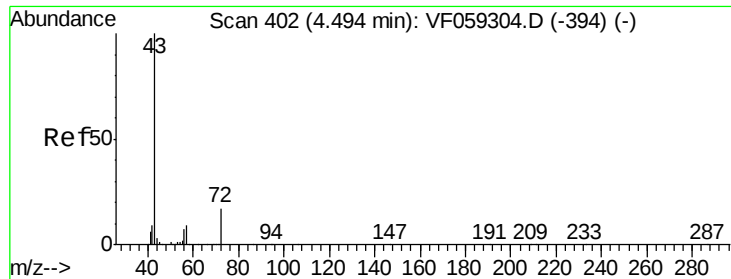


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 254.97 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 276287

Ion Ratio Lower Upper

43 100

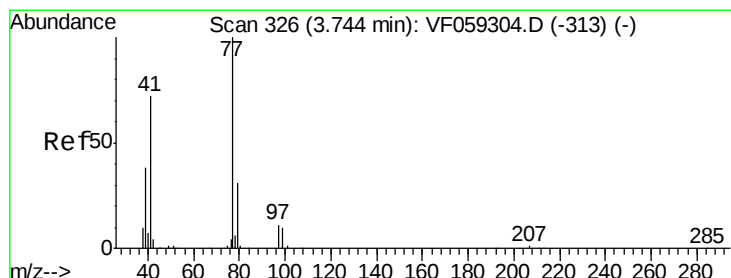
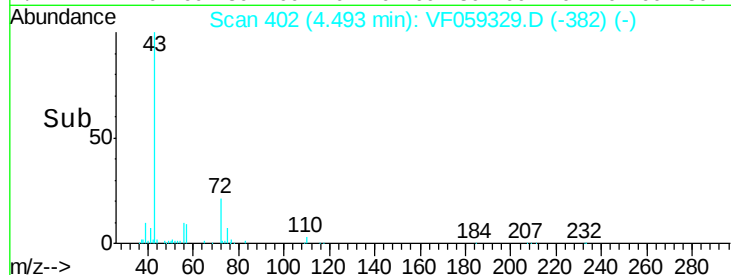
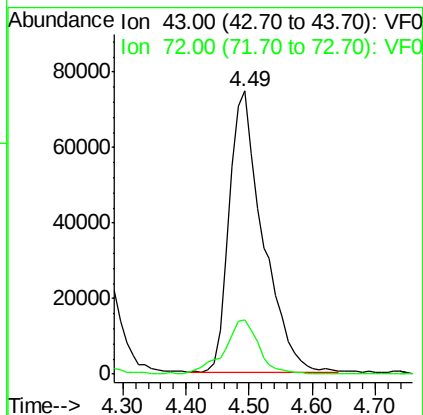
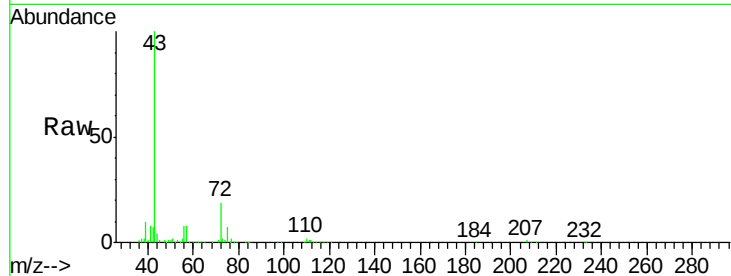
72 19.2 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 48.19 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059329.D

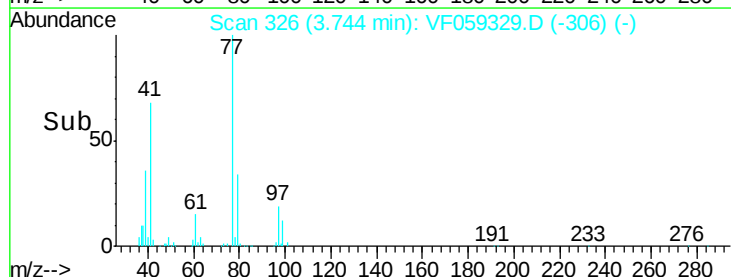
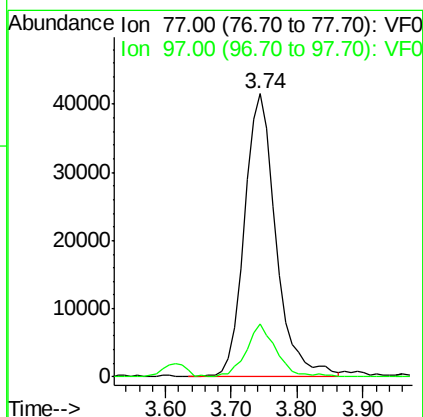
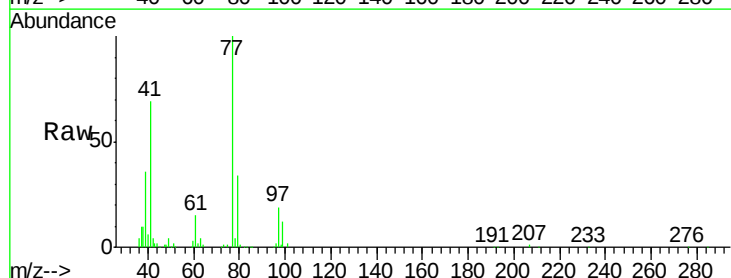
Acq: 26 Jun 2018 21:22

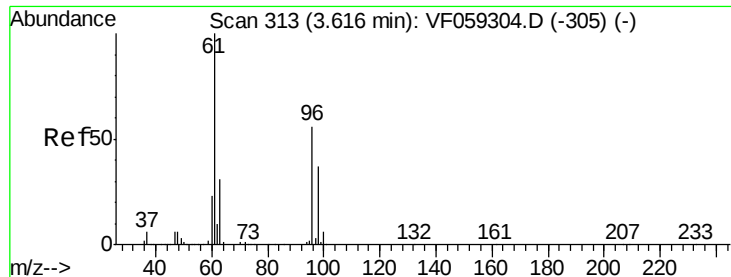
Tgt Ion: 77 Resp: 140048

Ion Ratio Lower Upper

77 100

97 18.8 8.0 23.8





#27

cis-1,2-Dichloroethene

Concen: 54.42 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

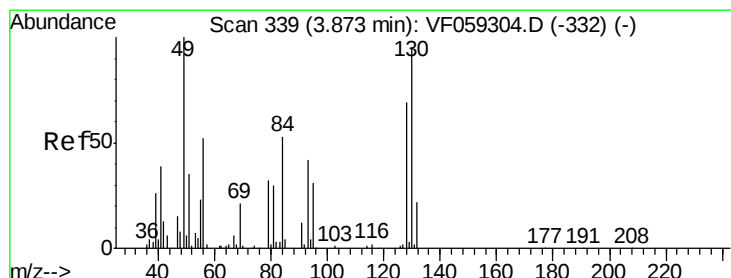
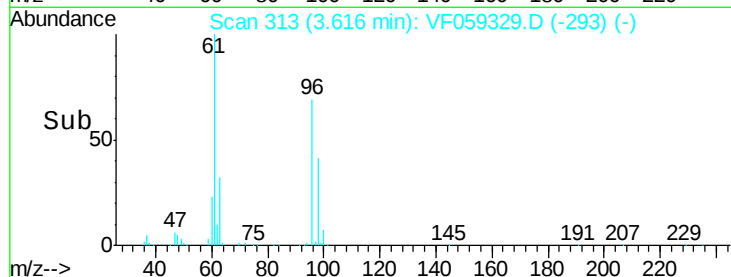
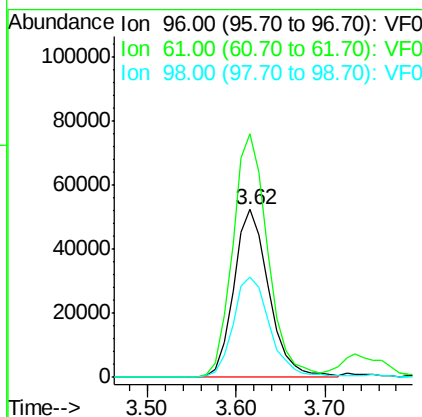
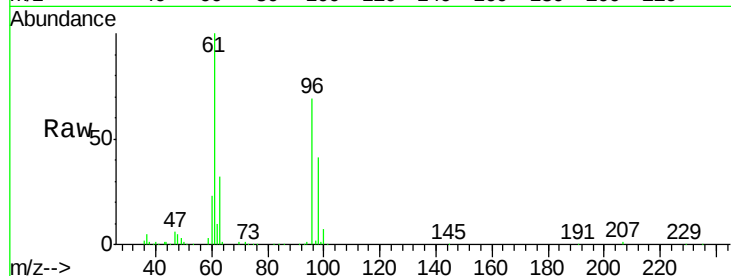
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	144085
Ion Ratio	Lower	Upper	
96	100		
61	145.2	0.0	355.4
98	60.0	0.0	131.0

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#28

Bromochloromethane

Concen: 51.65 ug/l

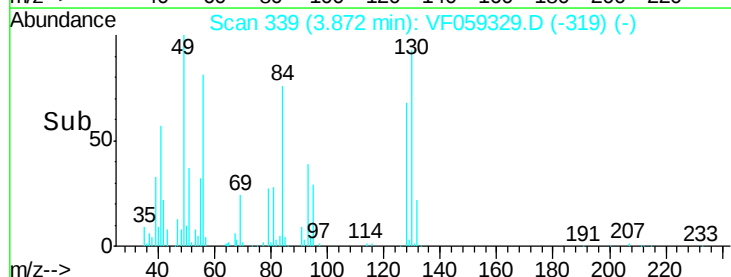
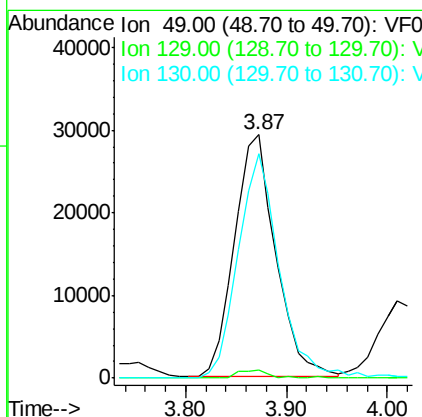
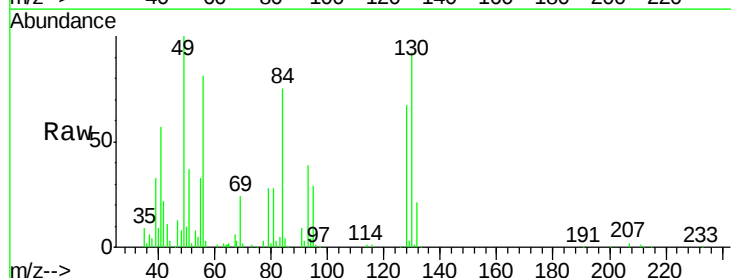
RT: 3.87 min Scan# 339

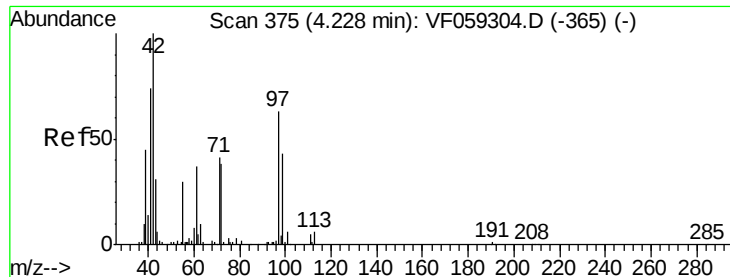
Delta R.T. 0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	49	Resp:	83349
Ion Ratio	Lower	Upper	
49	100		
129	3.1	0.0	6.4
130	92.4	75.1	112.7





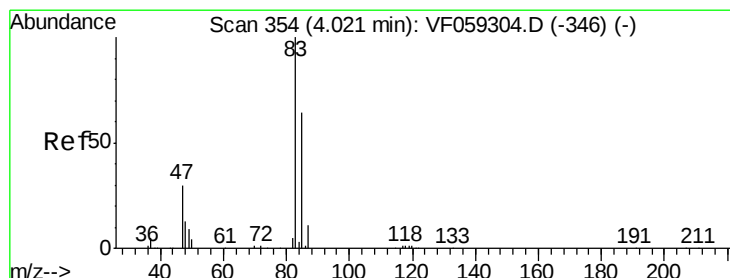
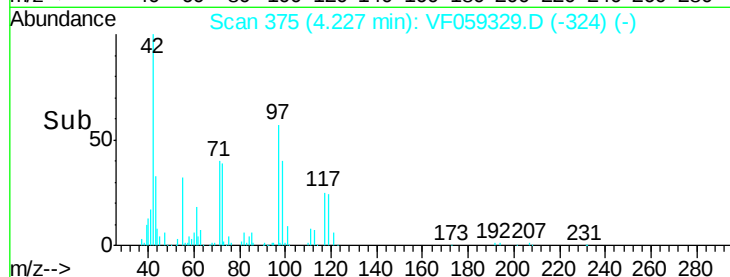
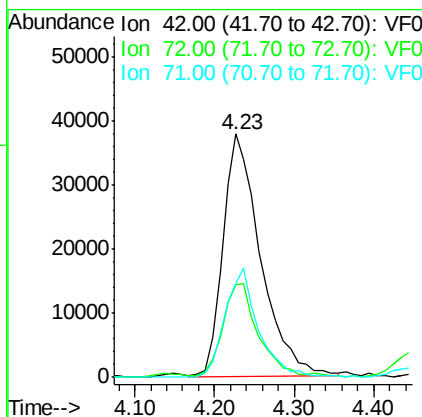
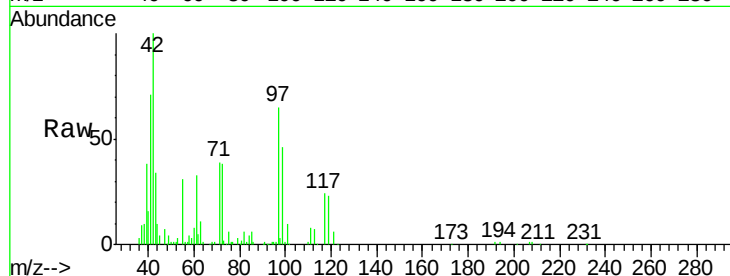
#29
Tetrahydrofuran
Concen: 271.36 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	30.5	45.7
71	40.7	32.5	48.7

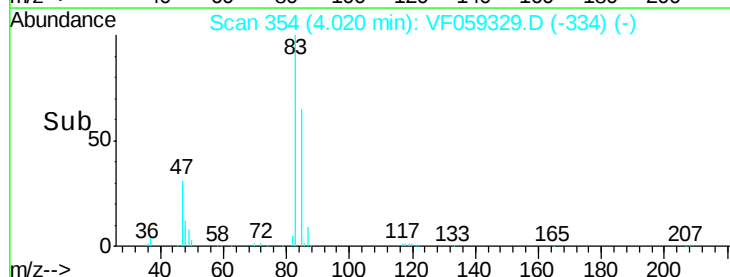
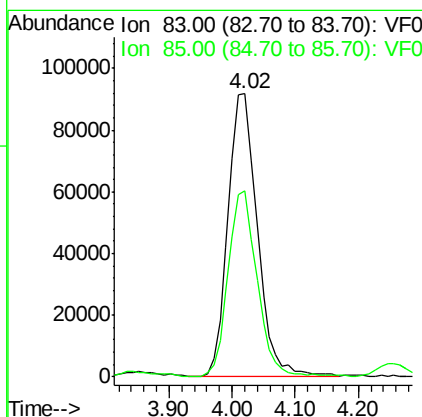
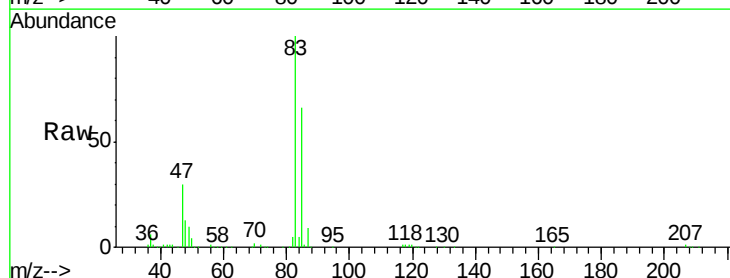
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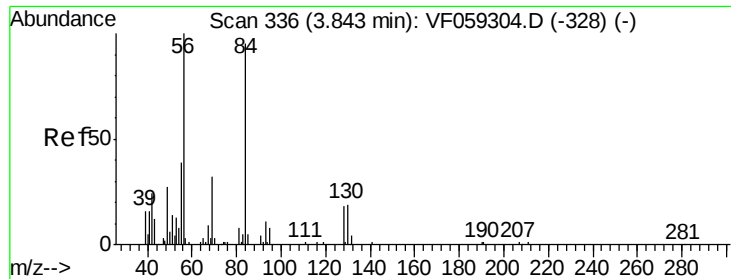
apatel
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#30
Chloroform
Concen: 48.79 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





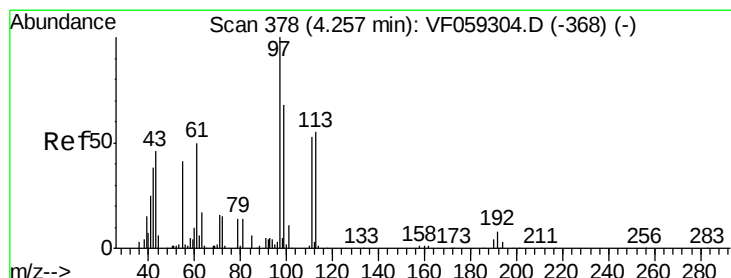
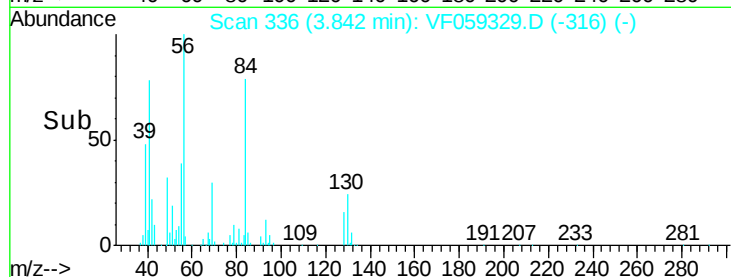
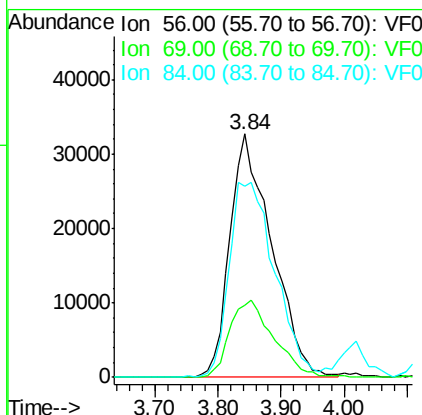
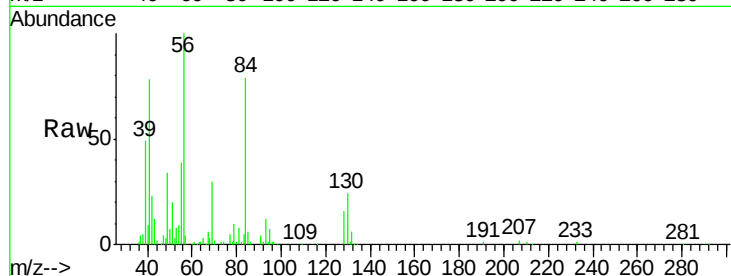
#31
Cyclohexane
Concen: 54.76 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.8	38.8
84	78.6	75.6	113.4

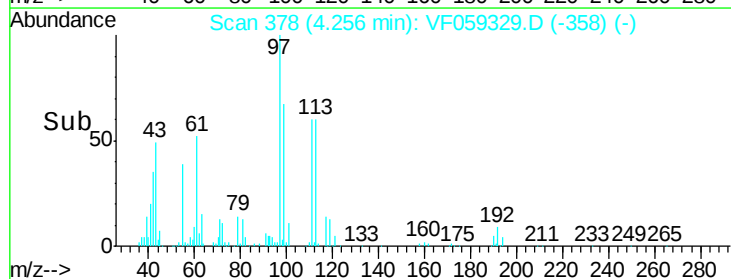
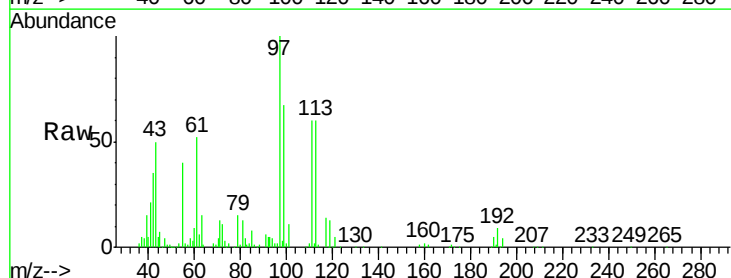
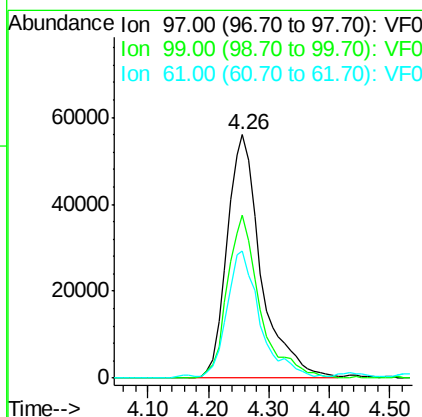
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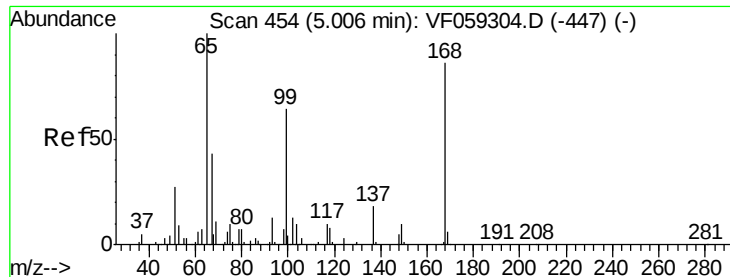
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#32
1,1,1-Trichloroethane
Concen: 49.06 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	54.1	81.1
61	52.3	41.2	61.8





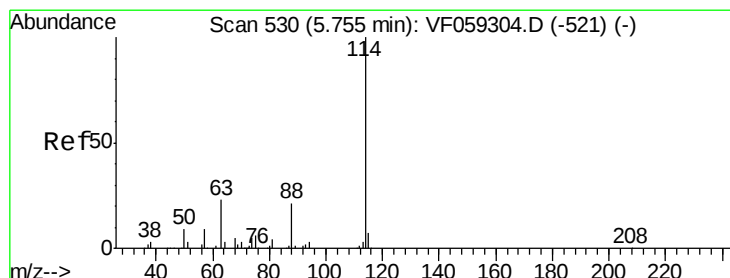
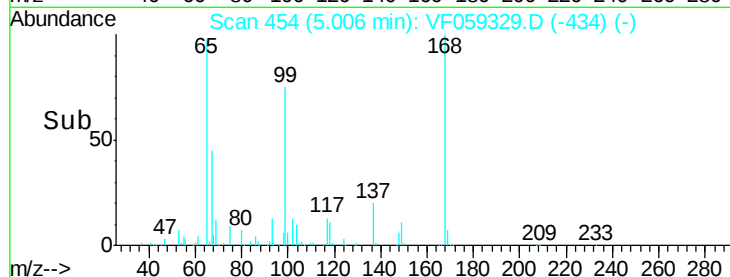
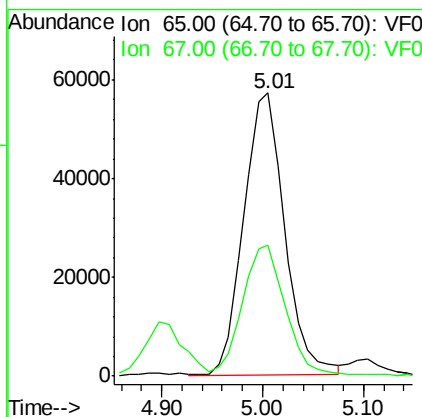
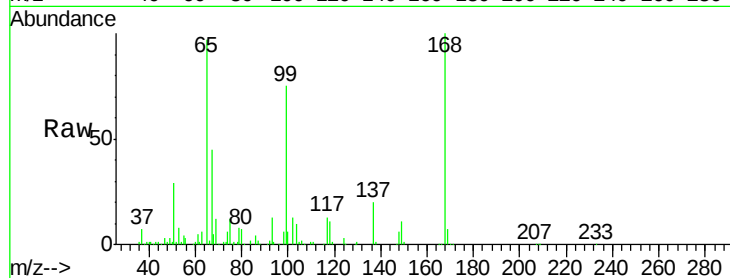
#33
 1,2-Dichloroethane-d4
 Concen: 45.32 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162379		
67	46.4	0.0	96.8	

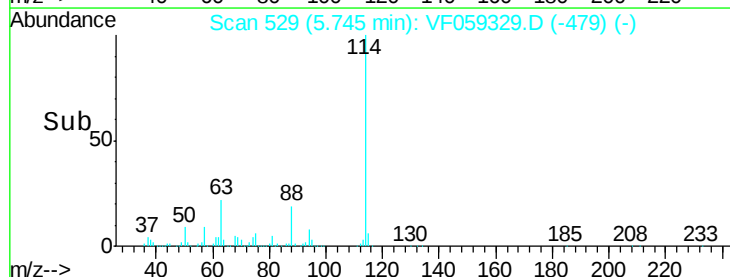
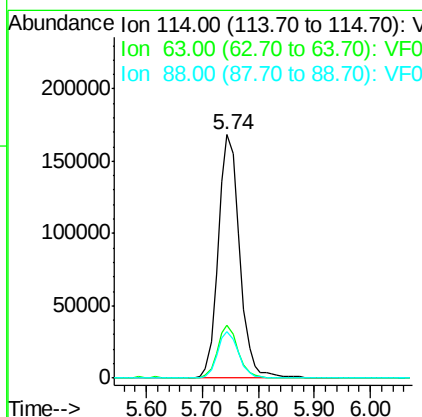
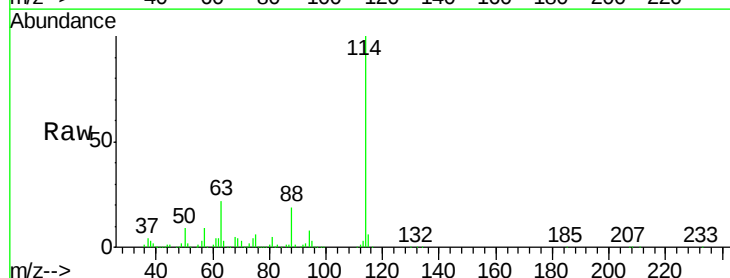
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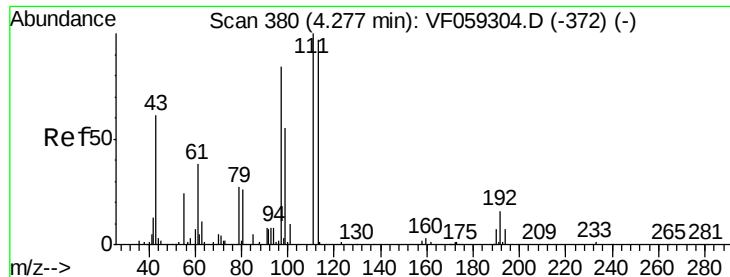
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451051		
63	22.0	0.0	45.8	
88	19.3	0.0	41.2	





#35

Dibromofluoromethane

Concen: 44.36 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

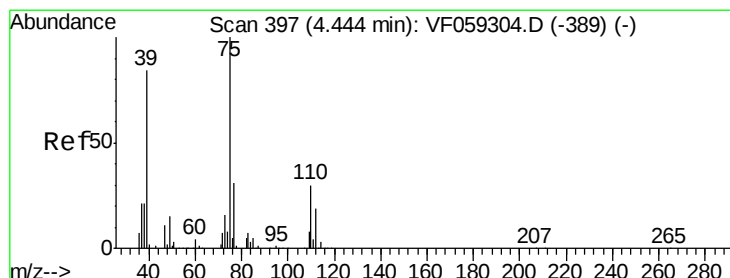
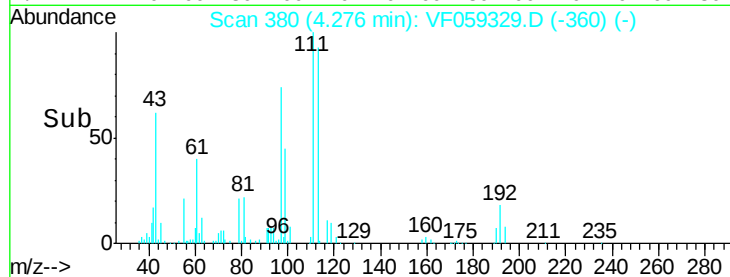
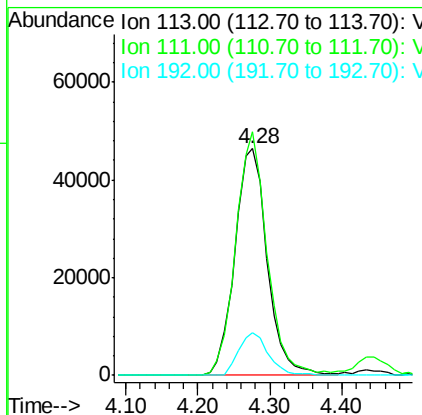
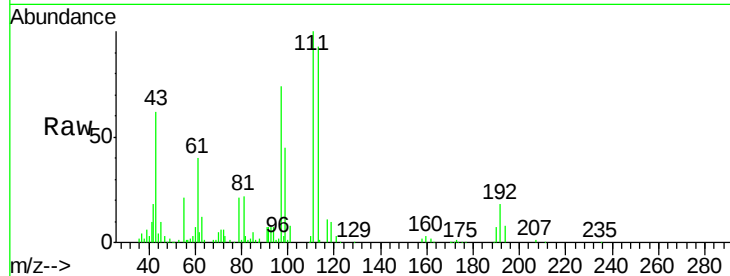
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	146201
Ion Ratio	Lower	Upper	
113	100		
111	107.4	82.1	123.1
192	18.8	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.41 ug/l

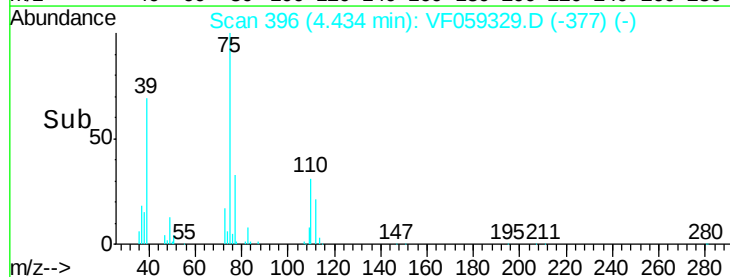
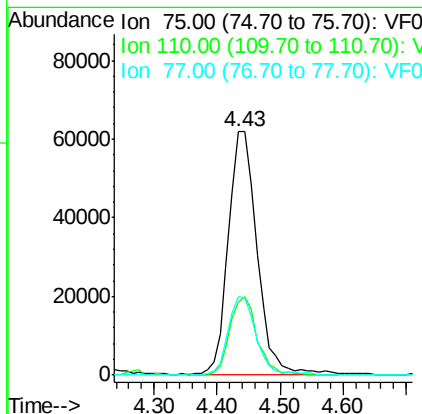
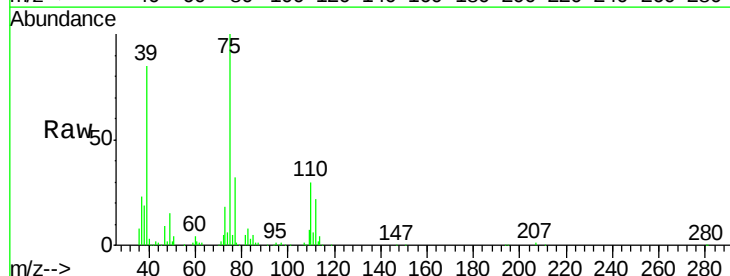
RT: 4.43 min Scan# 396

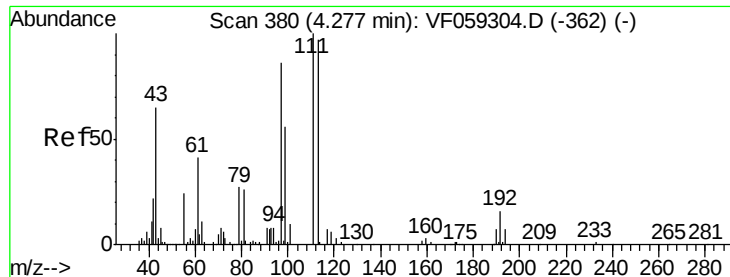
Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	75	Resp:	194700
Ion Ratio	Lower	Upper	
75	100		
110	29.9	14.8	44.4
77	32.3	25.2	37.8





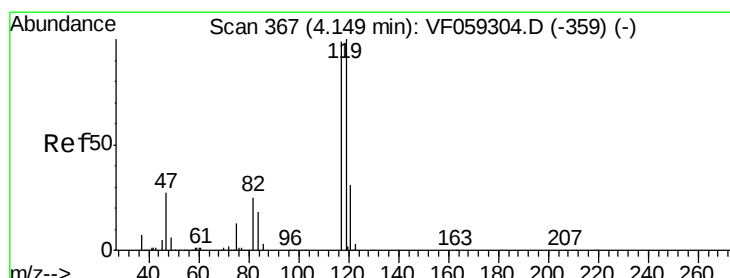
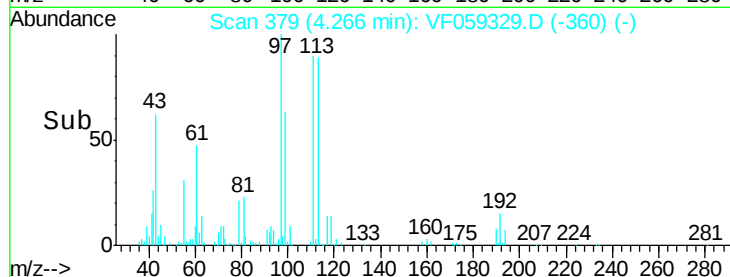
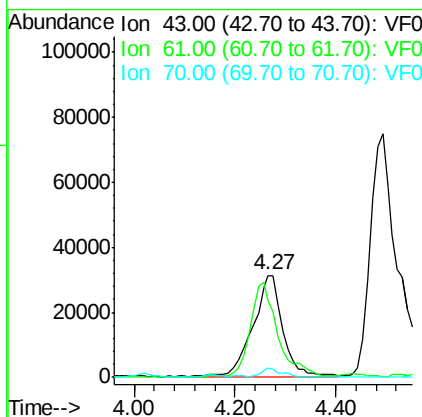
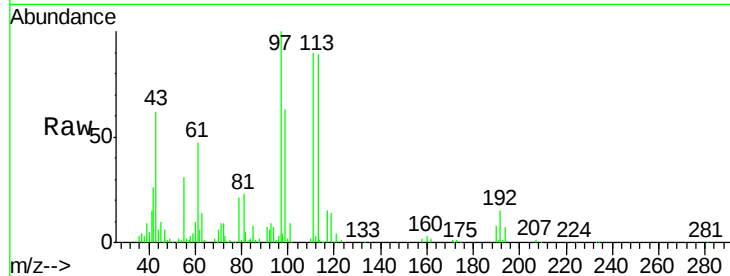
#37
Ethyl Acetate
Concen: 50.46 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	75.7	50.1	75.1#
70	9.6	6.2	9.4#

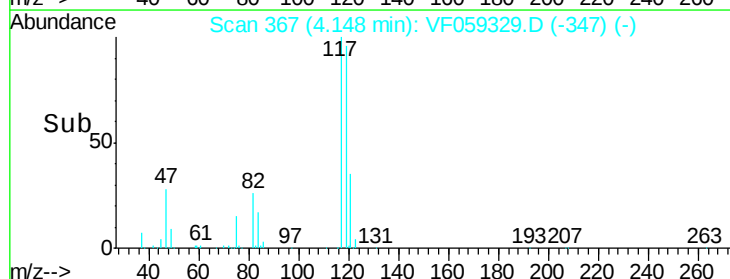
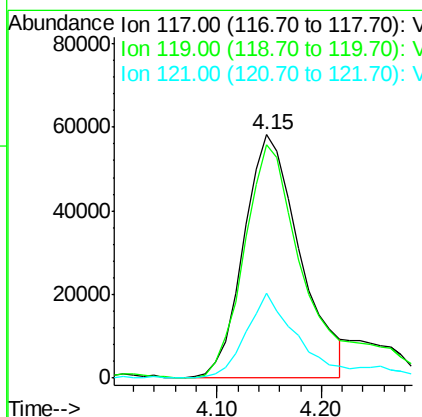
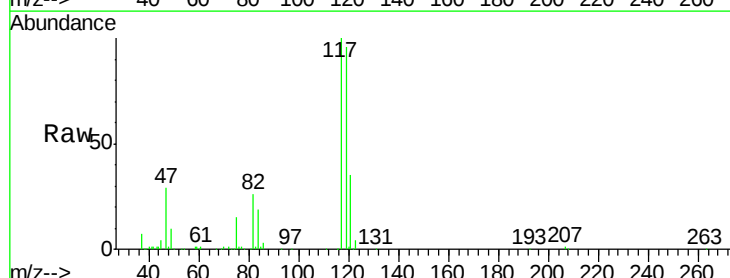
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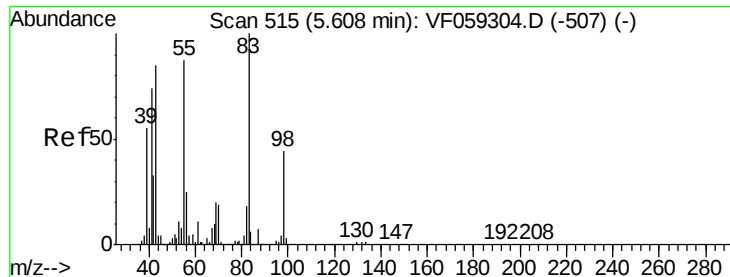
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#38
Carbon Tetrachloride
Concen: 43.34 ug/l m
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	81.0	121.4
121	34.8	24.7	37.1





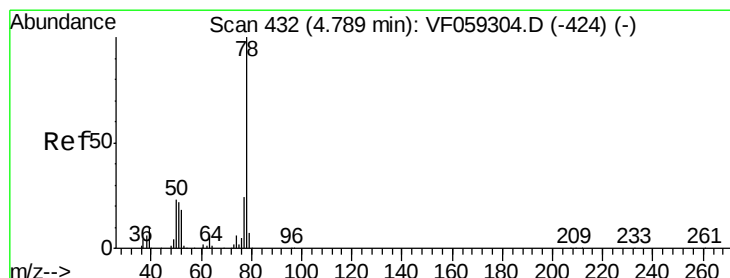
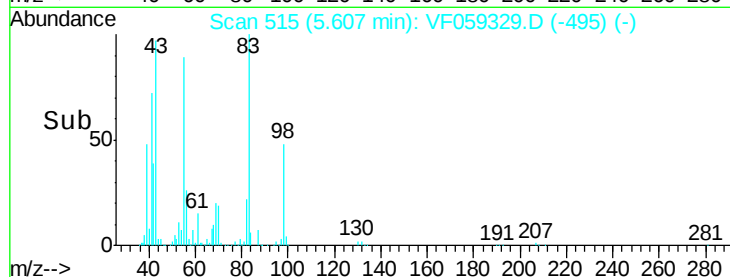
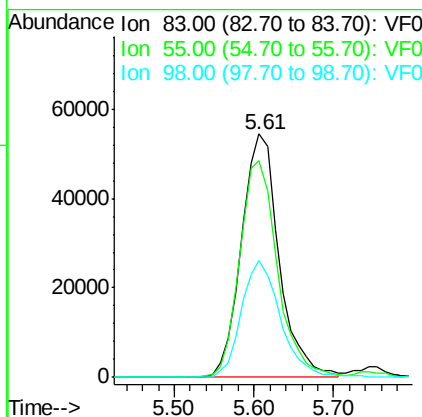
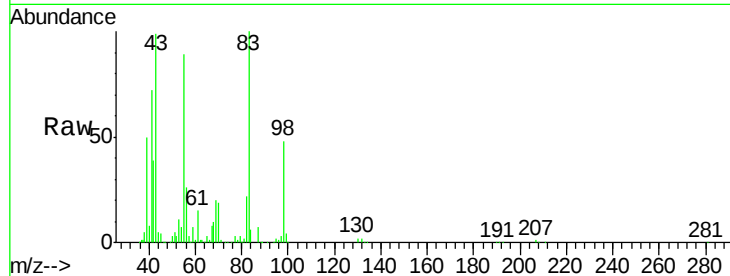
#39
Methvlcvclohexane
Concen: 50.94 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	177882
Ion Ratio	Lower	Upper	
83	100		
55	88.8	69.2	103.8
98	48.2	35.0	52.6

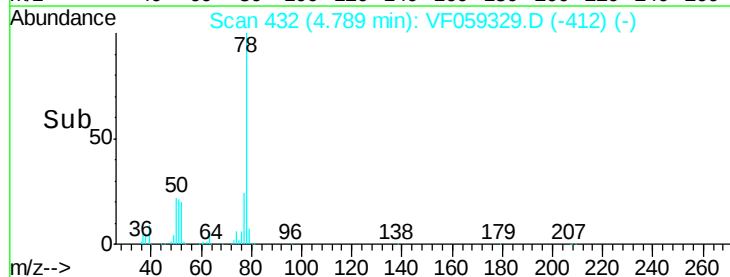
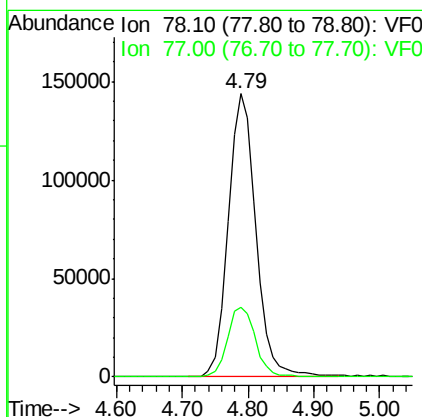
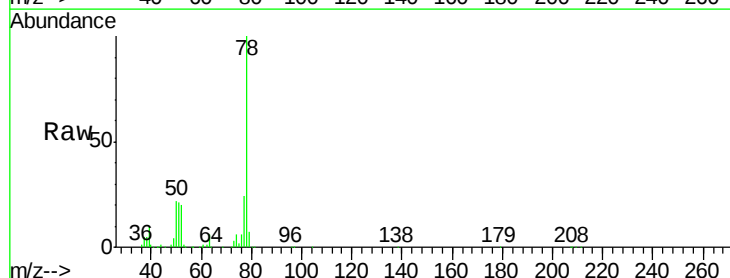
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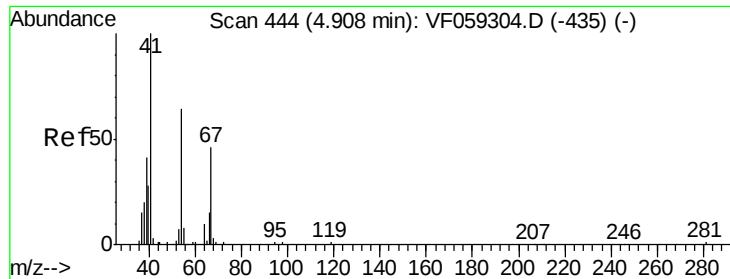
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#40
Benzene
Concen: 48.46 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	78	Resp	423342
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.6	29.4





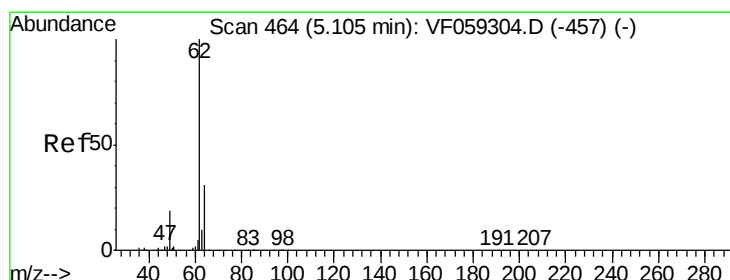
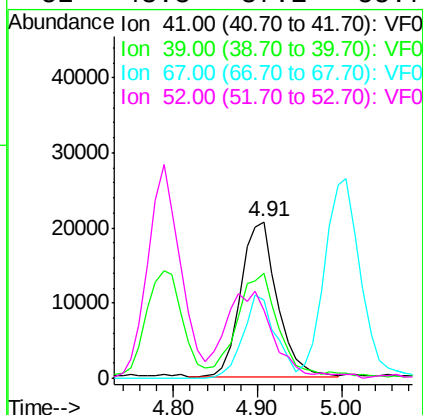
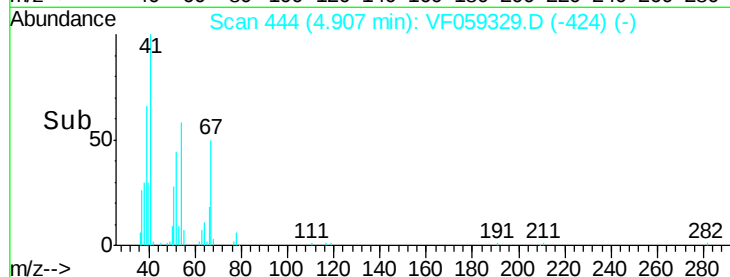
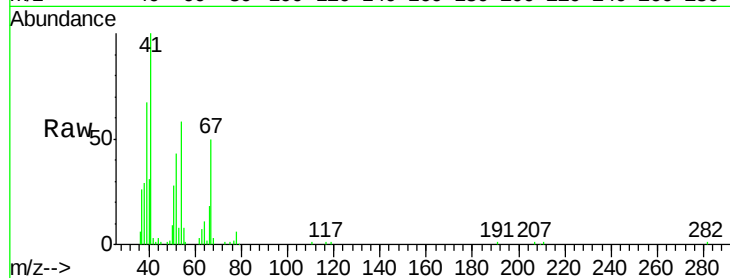
#41
Methacrylonitrile
Concen: 46.67 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.7	50.0	75.0	
67	49.8	37.0	55.6	
52	43.3	37.1	55.7	

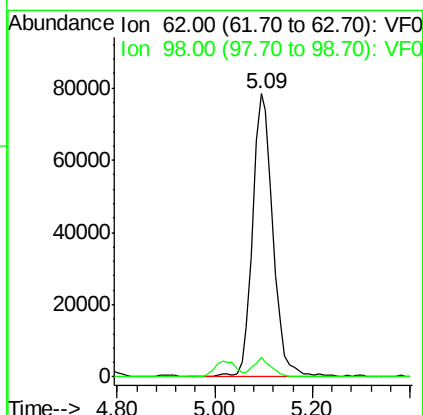
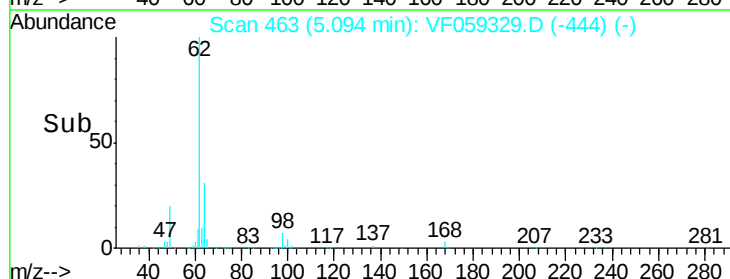
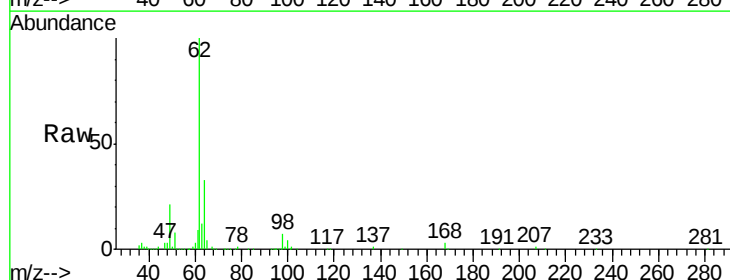
Manual Integrations
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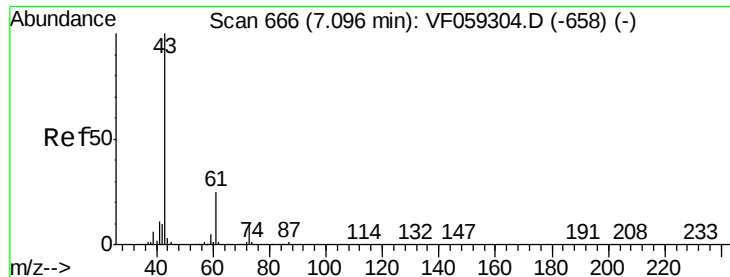
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#42
1,2-Dichloroethane
Concen: 44.17 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.8	0.0	11.4	





#43

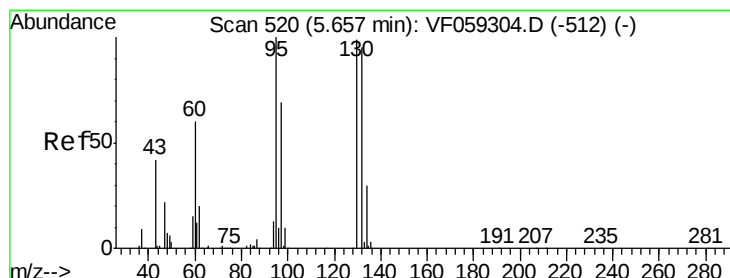
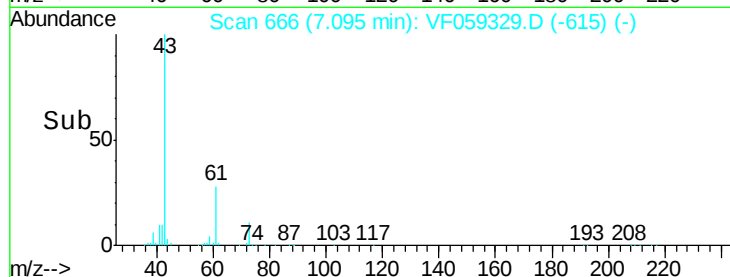
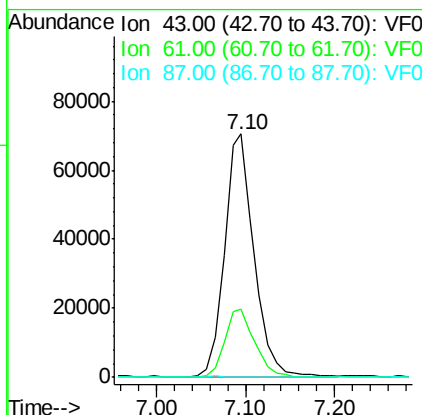
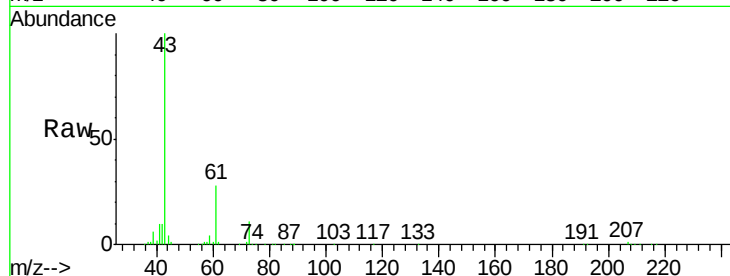
Isopropyl Acetate
 Concen: 49.39 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	19.7	29.5
87	0.3	0.5	0.7

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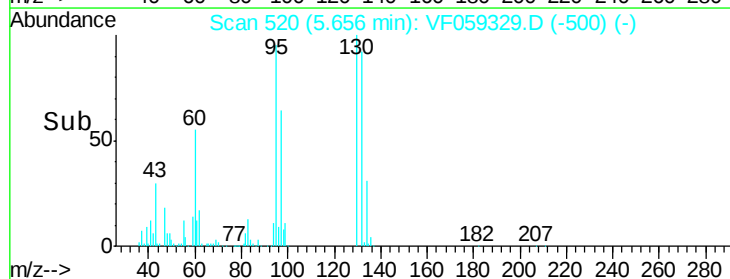
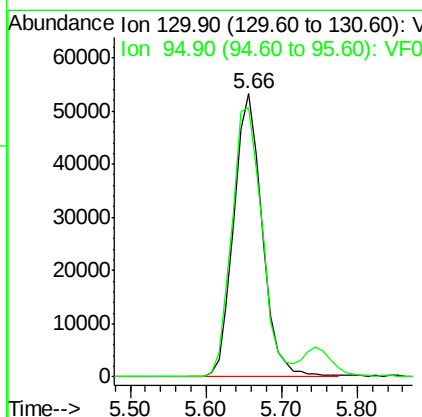
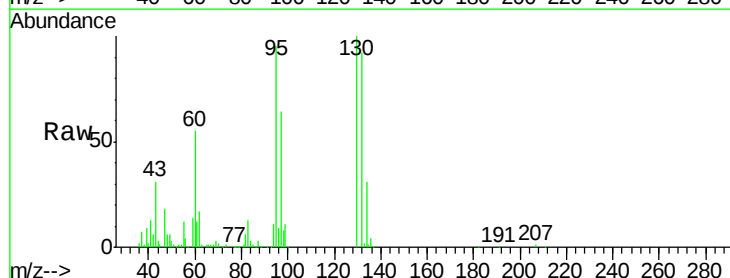
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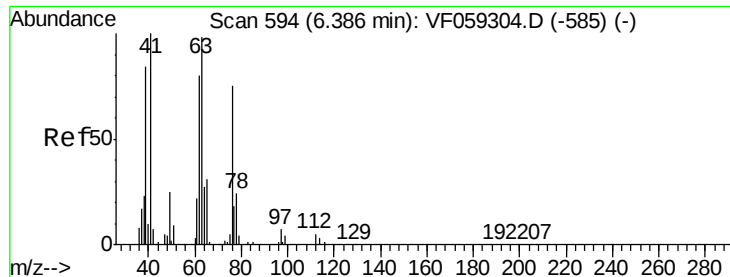


#44

Trichloroethene
 Concen: 46.22 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	202.4





#45

1,2-Dichloropropane

Concen: 48.64 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 121402

Ion Ratio Lower Upper

63 100

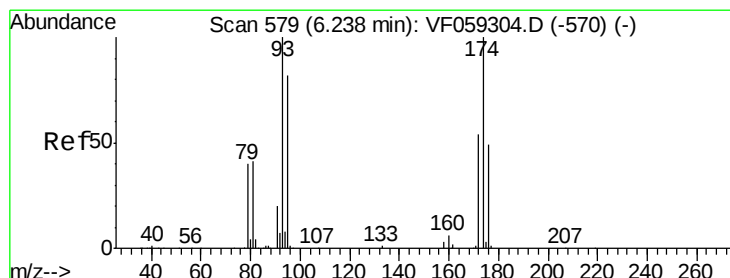
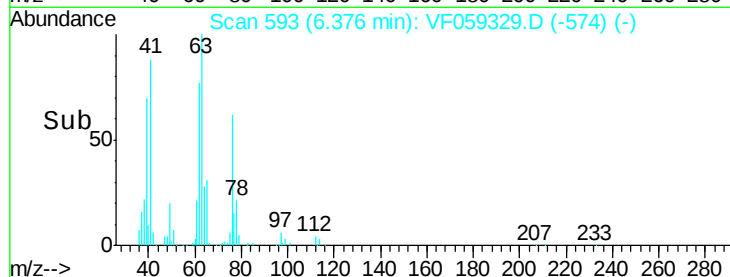
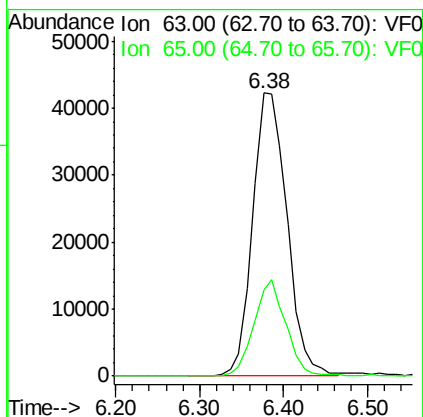
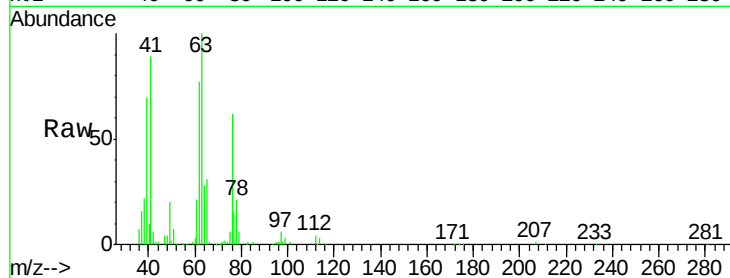
65 30.5 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 46.48 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

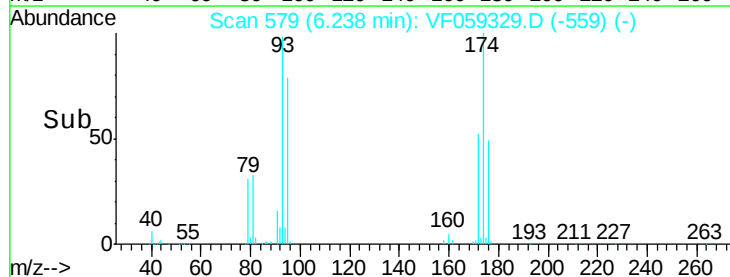
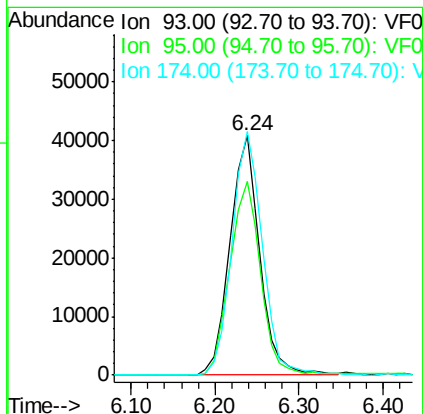
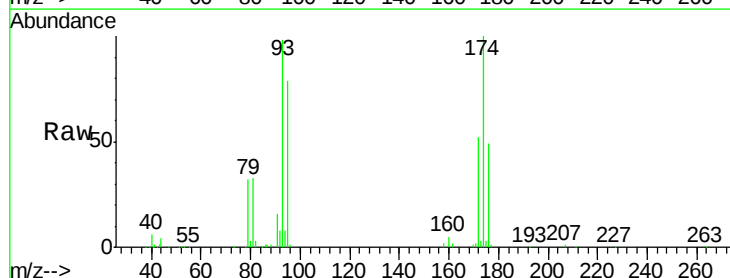
Tgt Ion: 93 Resp: 100696

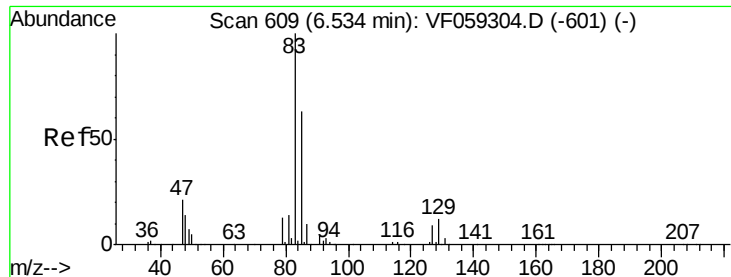
Ion Ratio Lower Upper

93 100

95 80.7 65.6 98.4

174 101.6 80.0 120.0





#47

Bromodichloromethane

Concen: 46.11 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

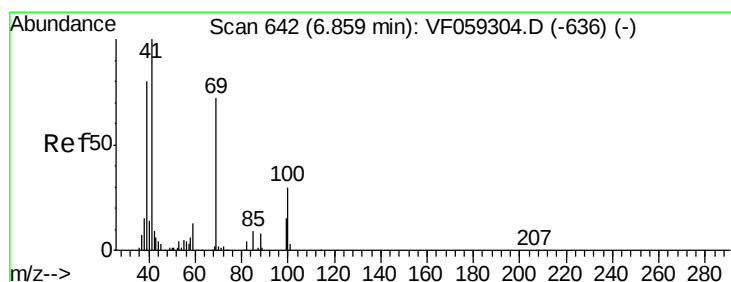
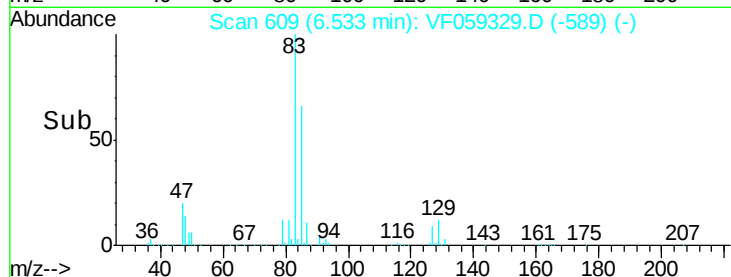
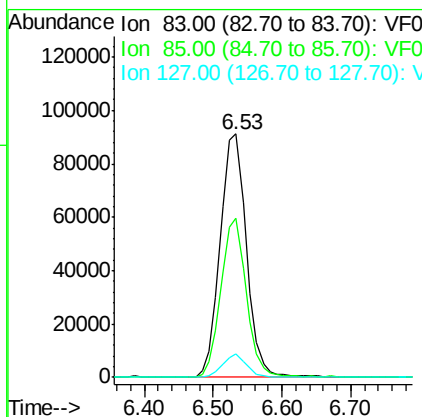
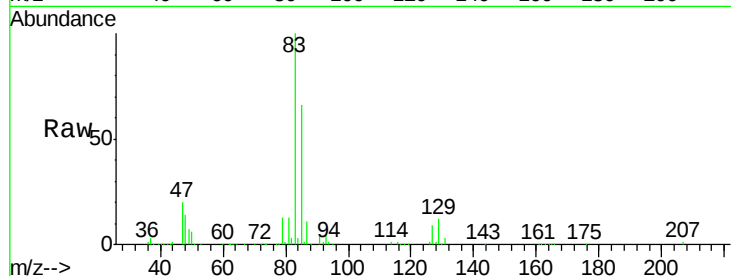
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	241804
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.2	75.2
127	9.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.29 ug/l

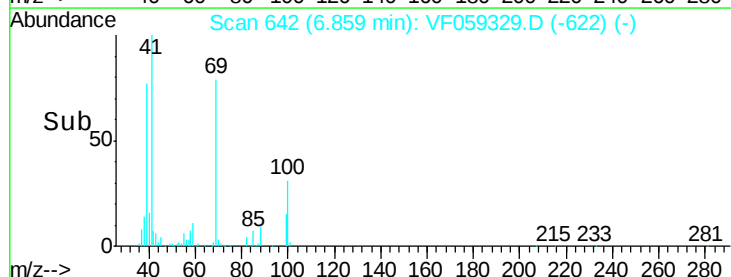
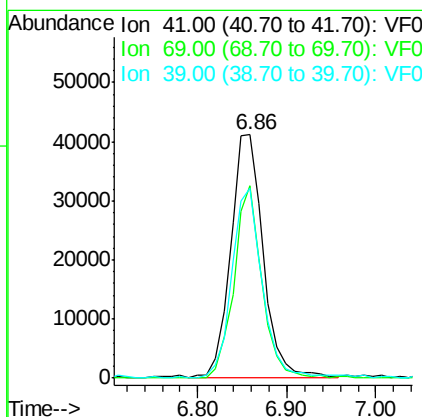
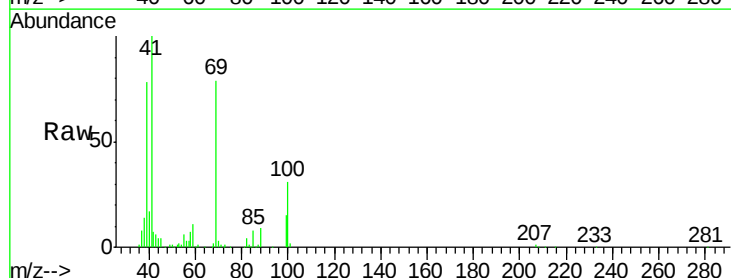
RT: 6.86 min Scan# 642

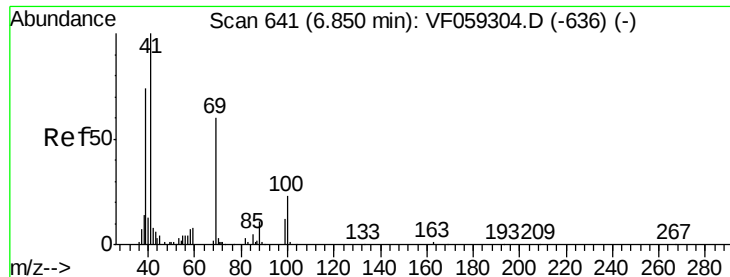
Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	41	Resp:	104014
Ion Ratio	Lower	Upper	
41	100		
69	78.9	57.3	85.9
39	78.0	64.4	96.6





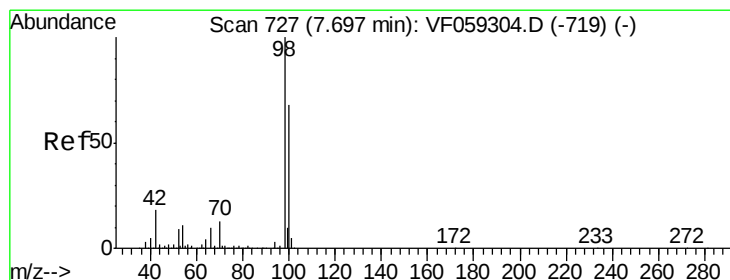
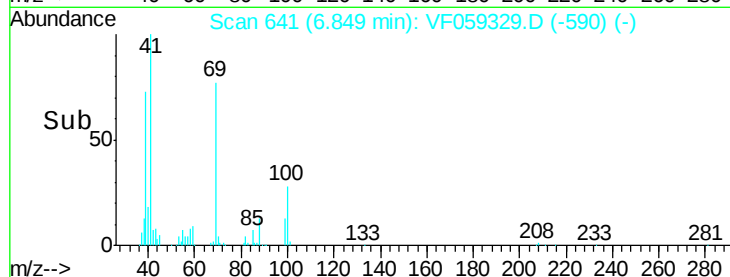
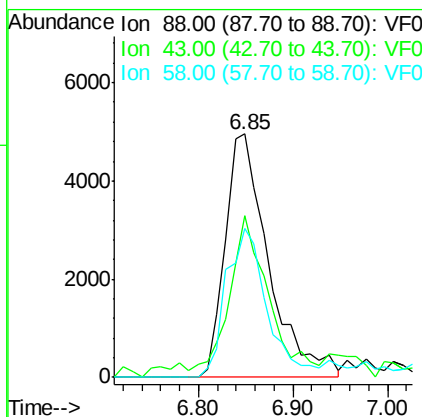
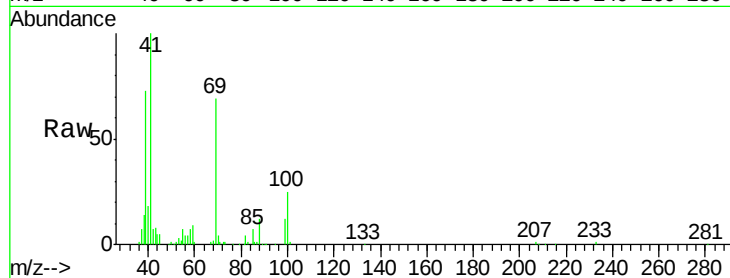
#49
1,4-Dioxane
Concen: 1356.33 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	15741
Ion Ratio	Lower	Upper	
88	100		
43	66.4	50.6	75.8
58	61.3	46.6	69.8

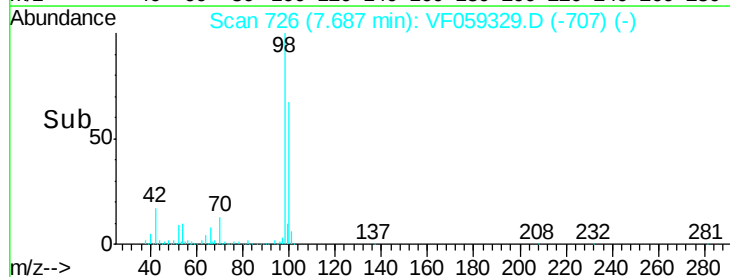
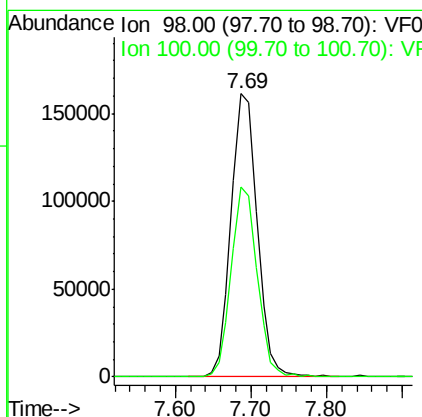
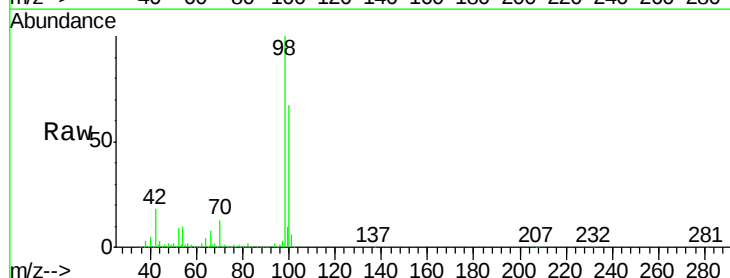
Manual Integrations
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#50
Toluene-d8
Concen: 47.45 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	98	Resp	387209
Ion Ratio	Lower	Upper	
98	100		
100	67.3	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 232.52 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 565384

Ion Ratio Lower Upper

43 100

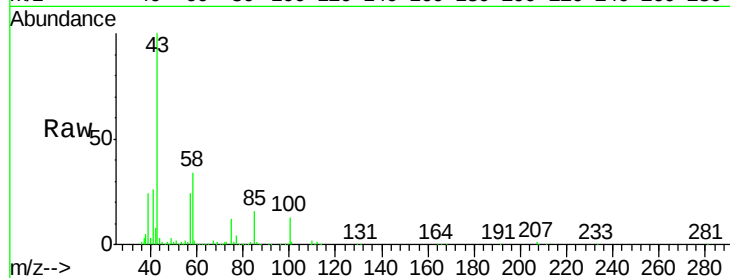
58 33.8 28.4 42.6

Manual Integrations

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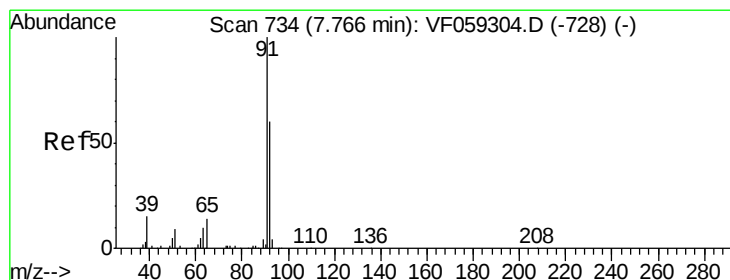
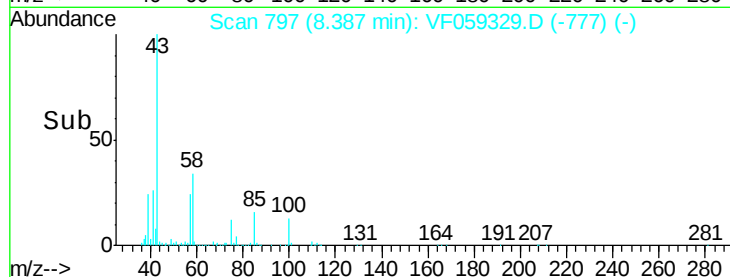
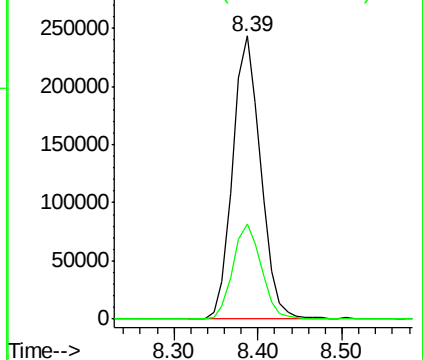
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.11 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059329.D

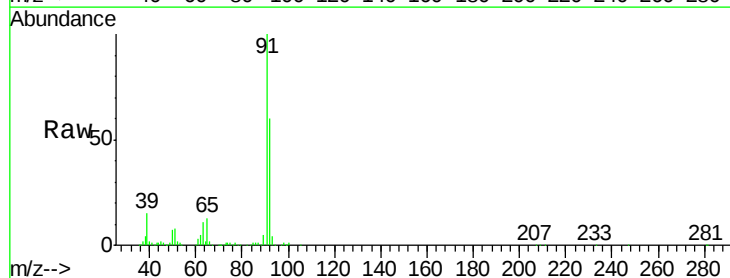
Acq: 26 Jun 2018 21:22

Tgt Ion: 92 Resp: 307967

Ion Ratio Lower Upper

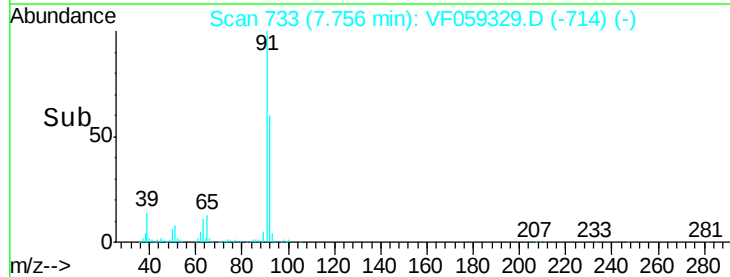
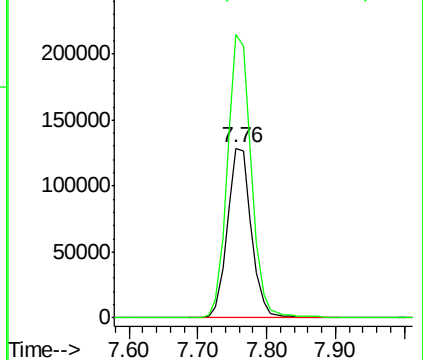
92 100

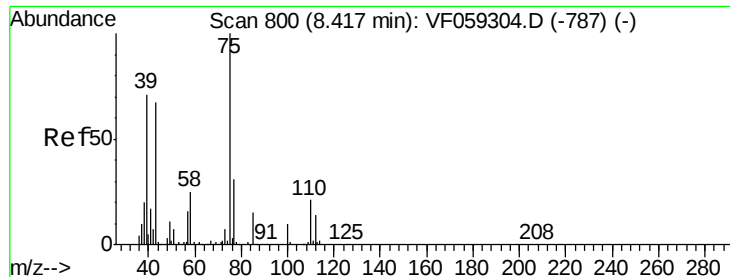
91 167.0 132.8 199.2



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: 42.91 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 205140

Ion Ratio Lower Upper

75 100

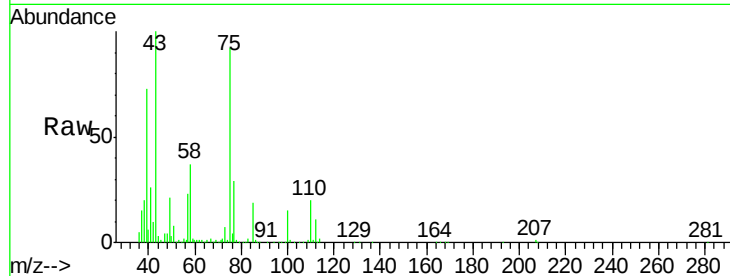
77 31.6 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

100000

80000

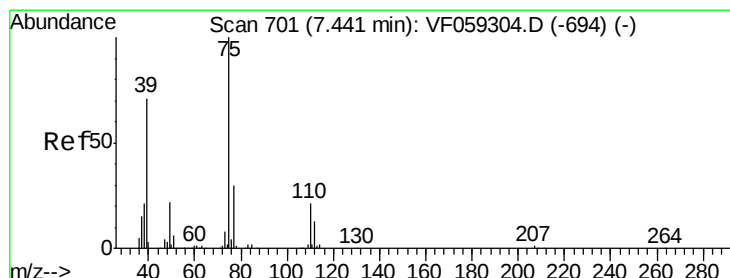
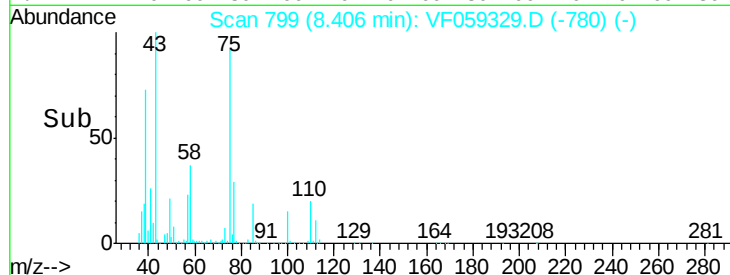
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 44.23 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

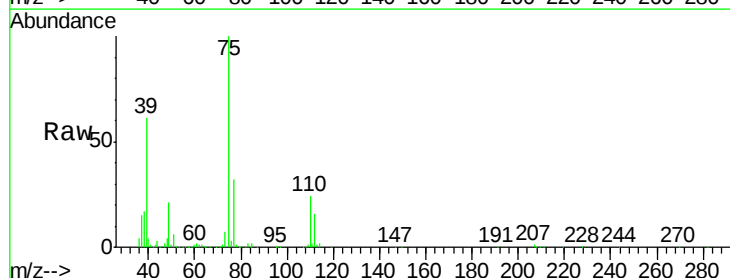
Tgt Ion: 75 Resp: 229638

Ion Ratio Lower Upper

75 100

77 31.7 24.3 36.5

39 60.9 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

7.44

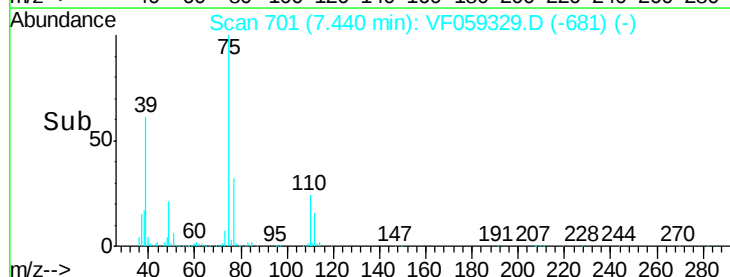
150000

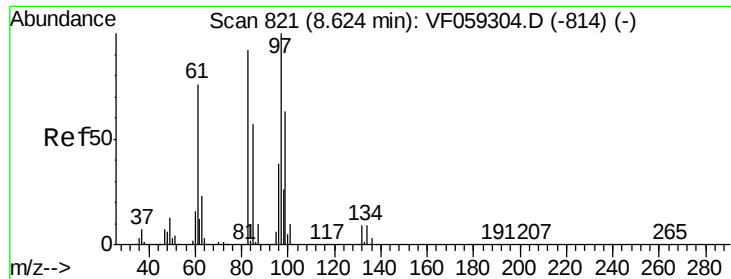
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 46.83 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

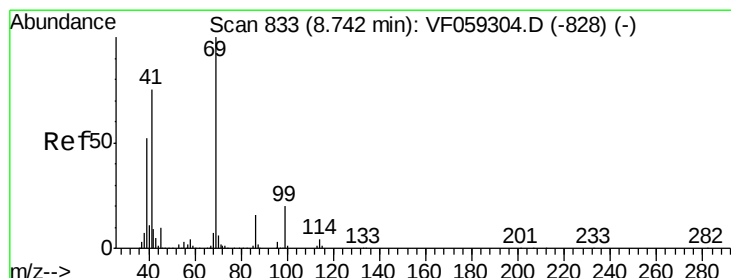
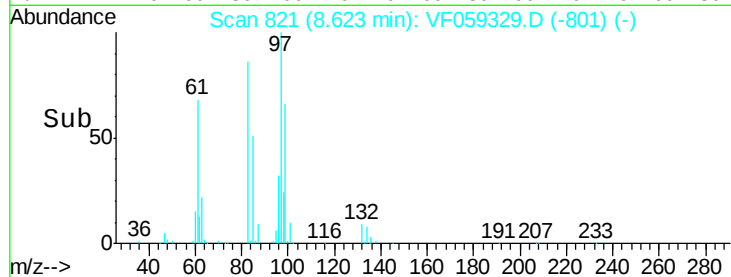
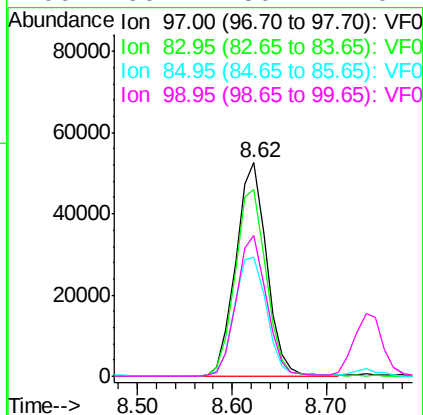
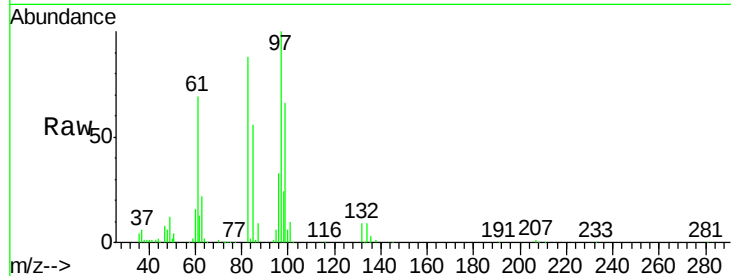
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	118875
Ion	Ratio	Lower	Upper
97	100		
83	87.8	73.8	110.8
85	55.8	45.5	68.3
99	66.2	50.7	76.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.43 ug/l

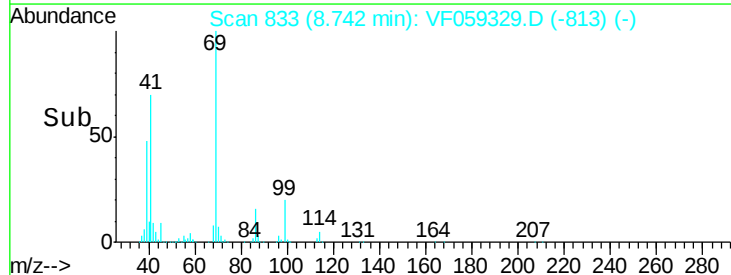
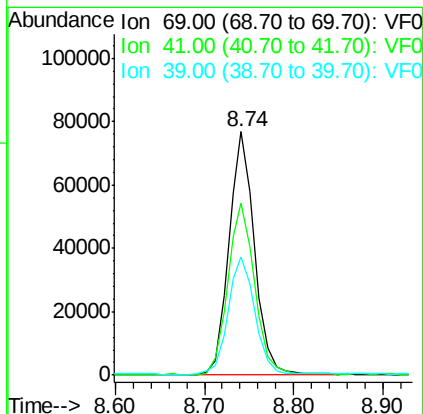
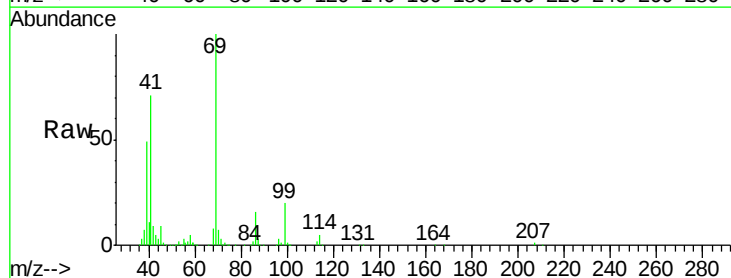
RT: 8.74 min Scan# 833

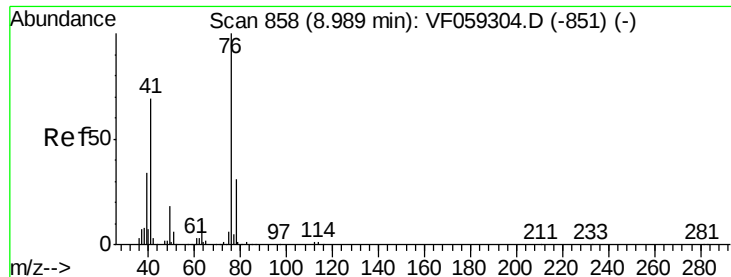
Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	69	Resp:	155414
Ion	Ratio	Lower	Upper
69	100		
41	70.6	60.3	90.5
39	48.6	42.2	63.4





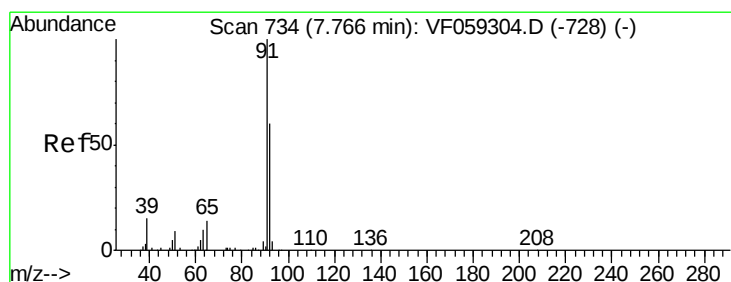
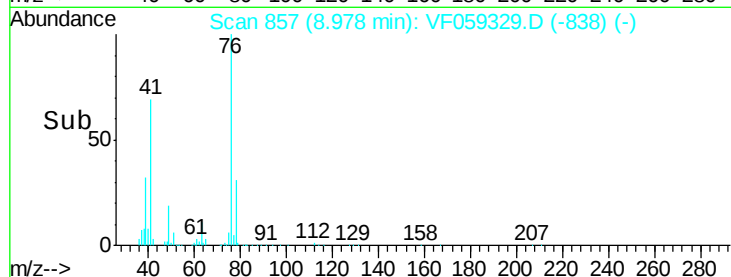
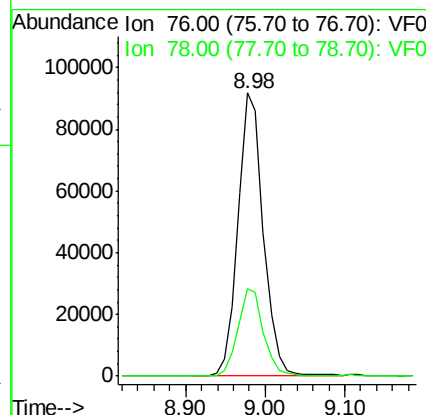
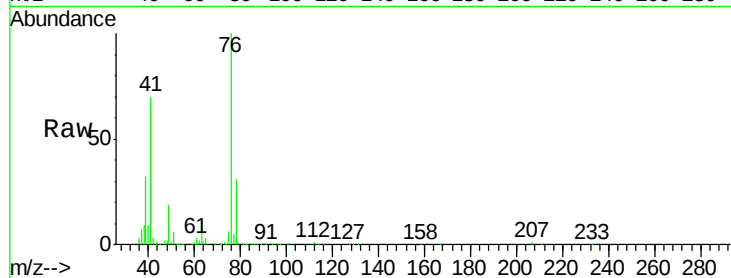
#57
 1,3-Dichloropropane
 Concen: 46.85 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	24.9	37.3

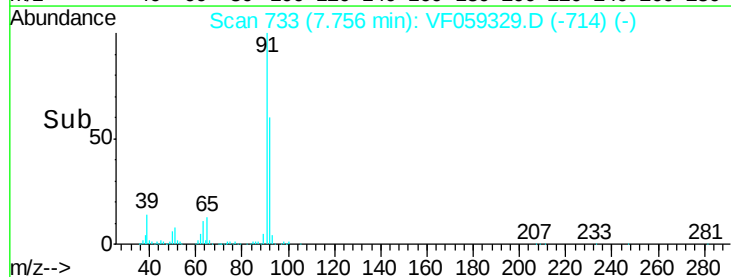
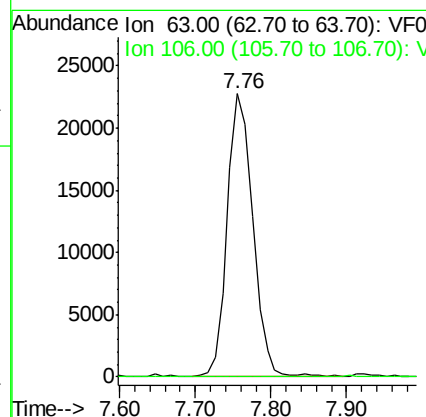
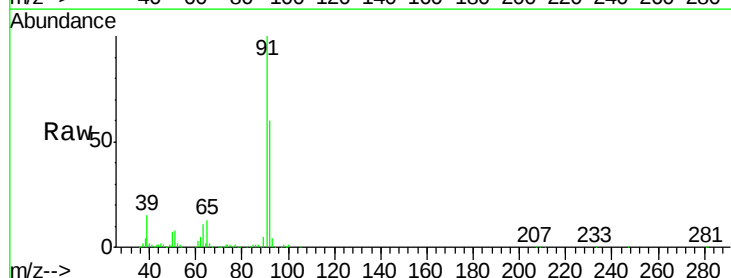
Manual Integrations
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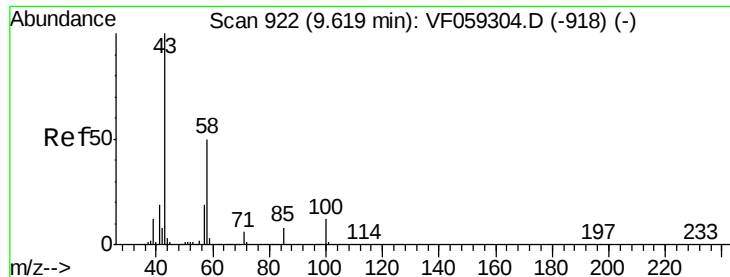
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#58
 2-Chloroethyl Vinyl ether
 Concen: 227.42 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





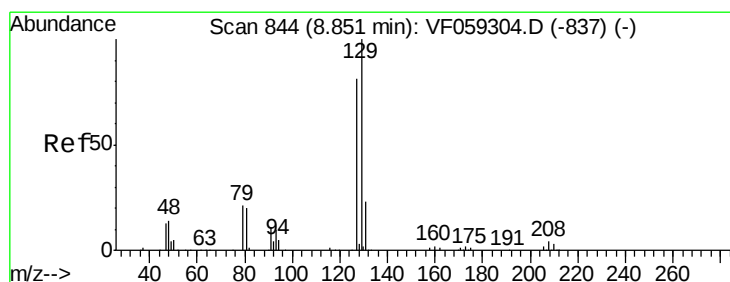
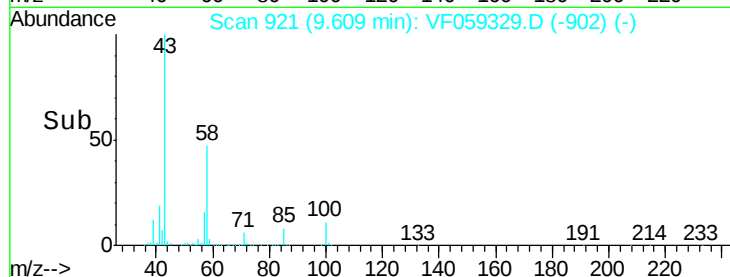
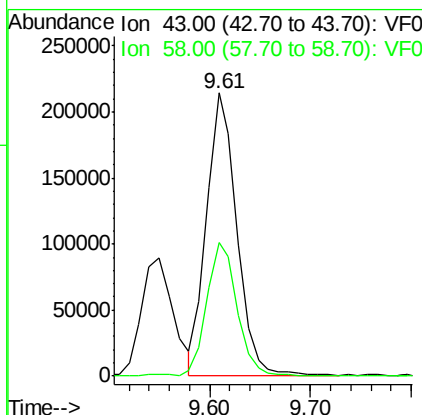
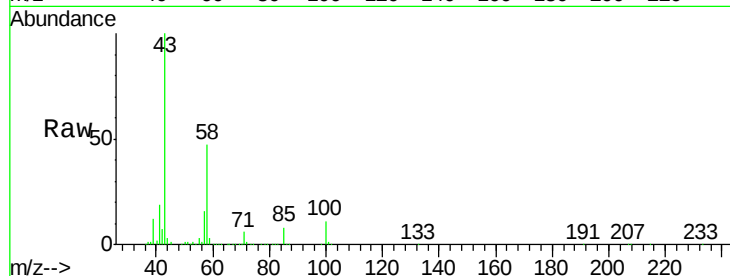
#59
2-Hexanone
Concen: 243.60 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 445782
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9

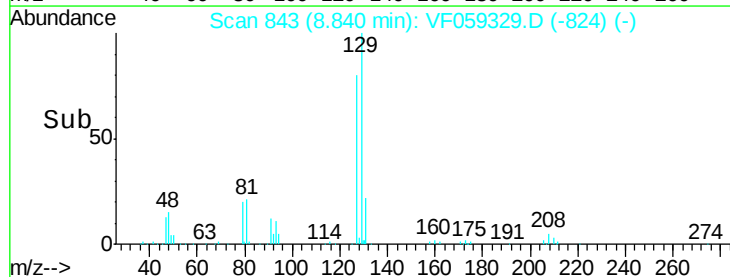
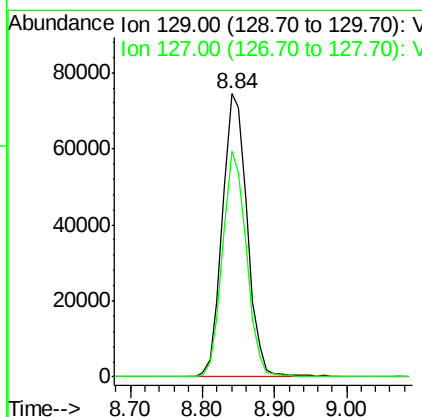
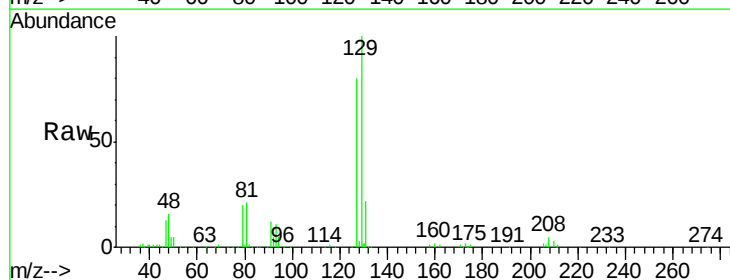
Manual Integrations
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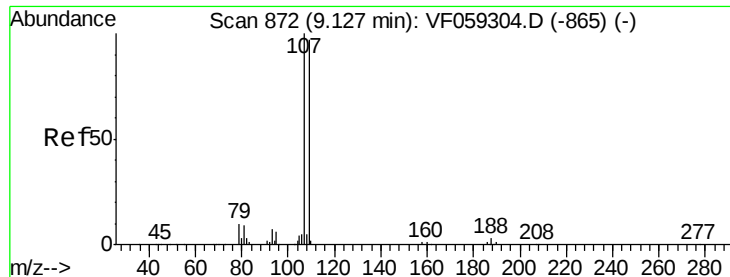
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#60
Dibromochloromethane
Concen: 45.42 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion: 129 Resp: 177964
Ion Ratio Lower Upper
129 100
127 79.8 40.7 122.1





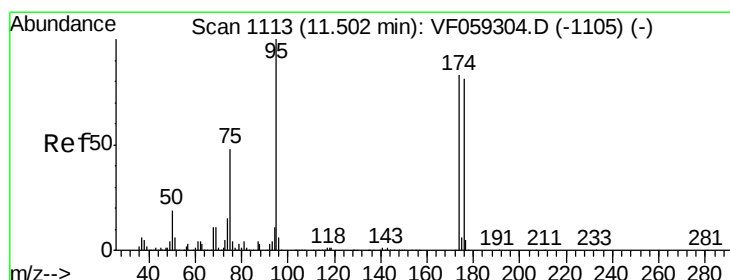
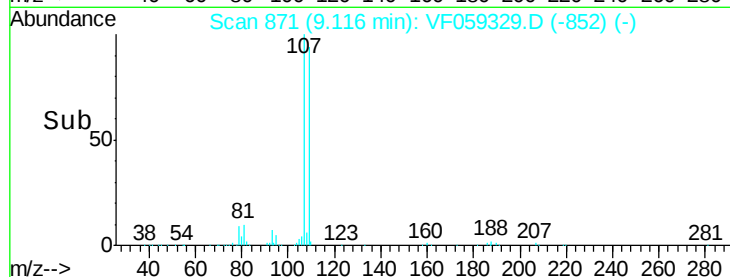
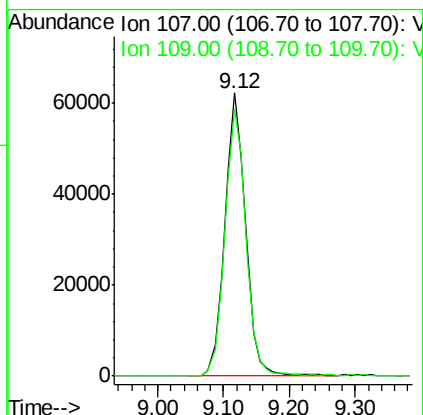
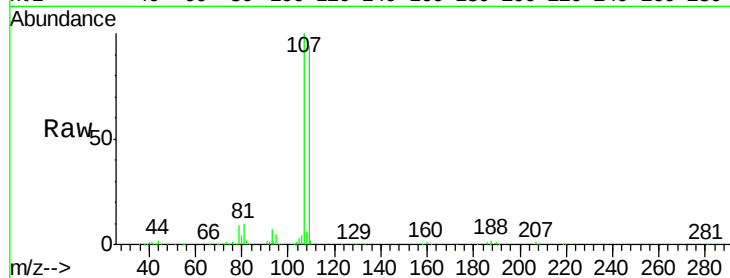
#61
 1,2-Dibromoethane
 Concen: 44.79 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	77.3	115.9

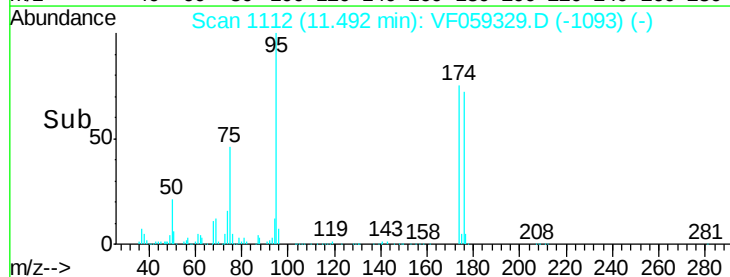
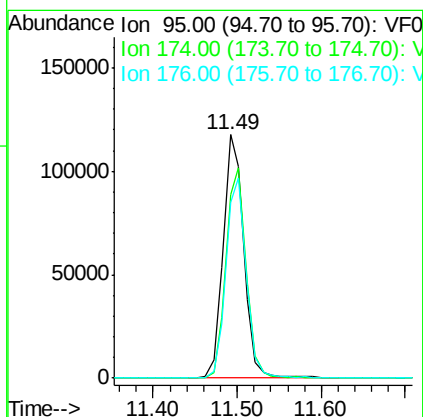
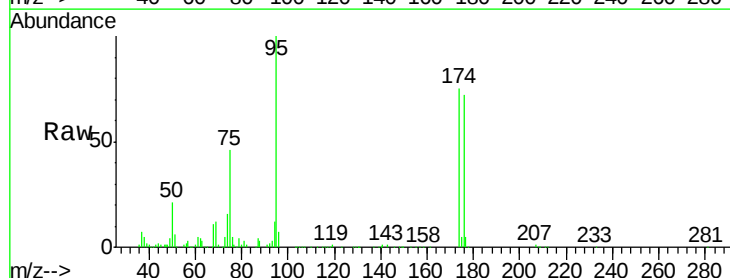
Manual Integrations
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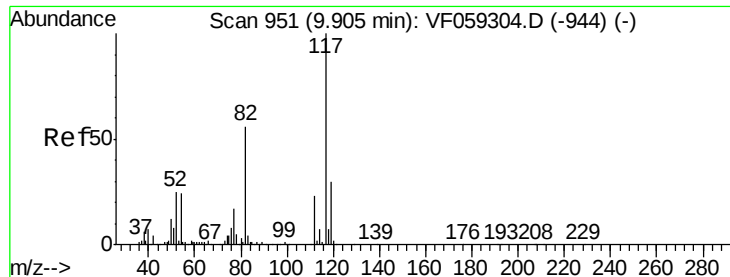
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#62
 4-Bromofluorobenzene
 Concen: 43.37 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	165.2
176	72.4	0.0	161.0





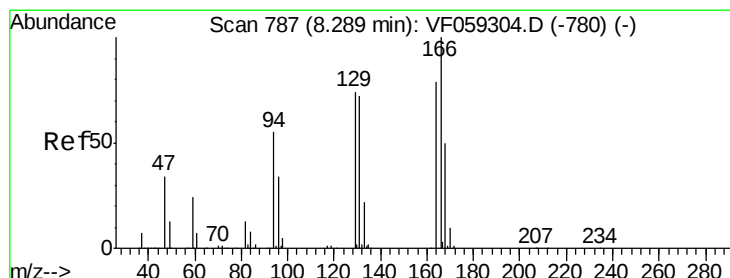
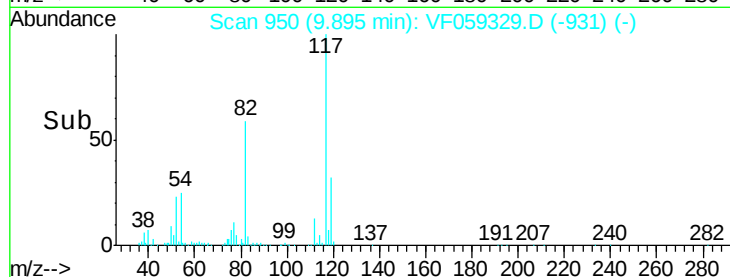
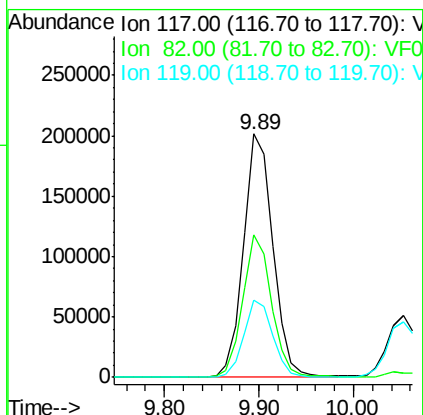
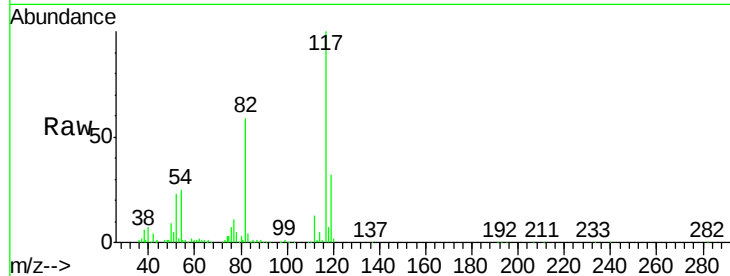
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	44.6	66.8
119	31.8	24.1	36.1

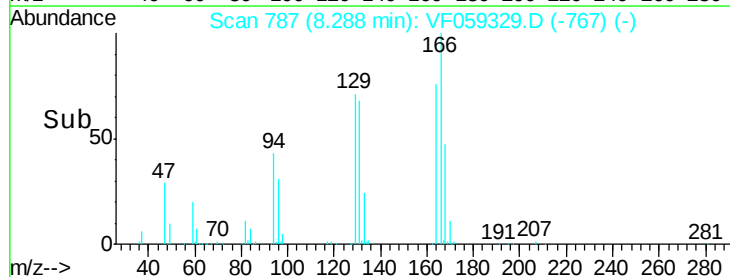
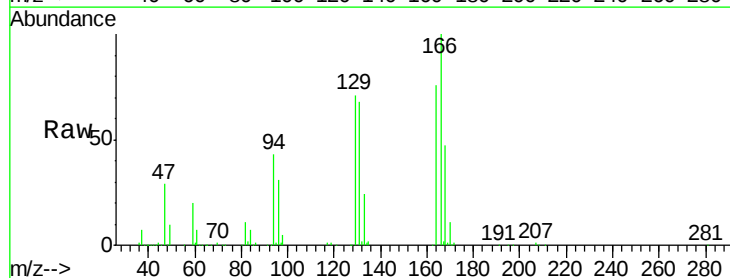
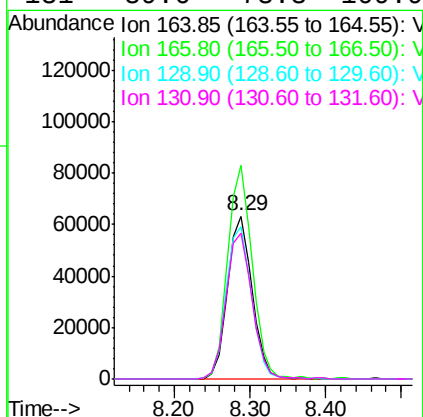
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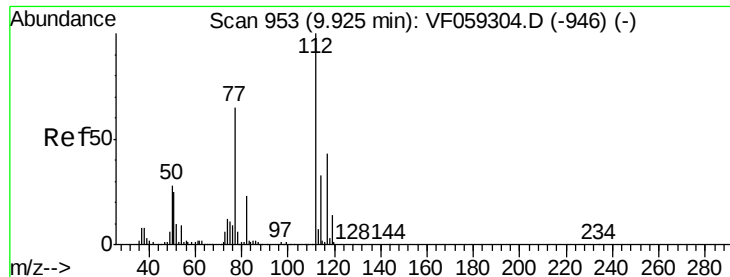
apatel
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#64
Tetrachloroethene
Concen: 50.20 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	101.1	151.7
129	93.4	75.0	112.4
131	89.6	73.3	109.9





#65

Chlorobenzene

Concen: 47.82 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 386147

Ion Ratio Lower Upper

112 100

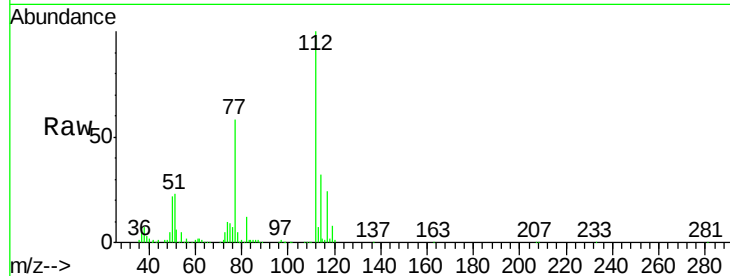
114 32.0 26.5 39.7

Manual Integrations

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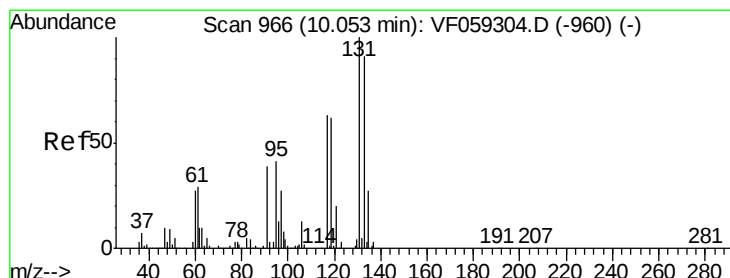
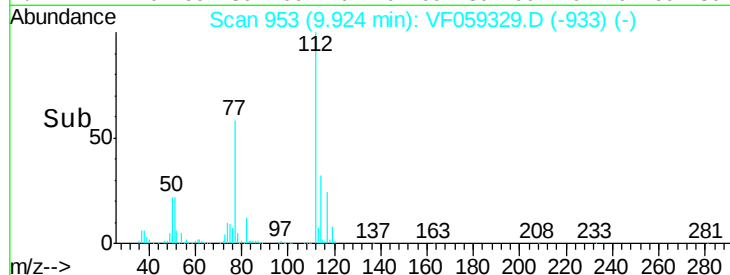
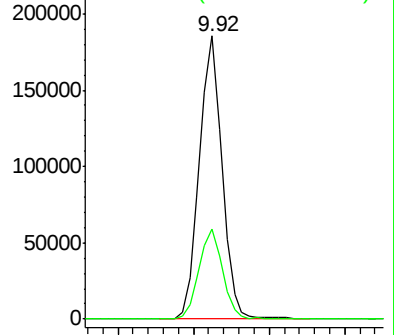
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.77 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

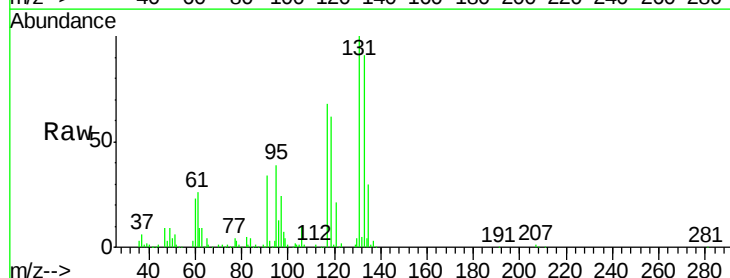
Tgt Ion:131 Resp: 163342

Ion Ratio Lower Upper

131 100

133 91.3 45.3 135.9

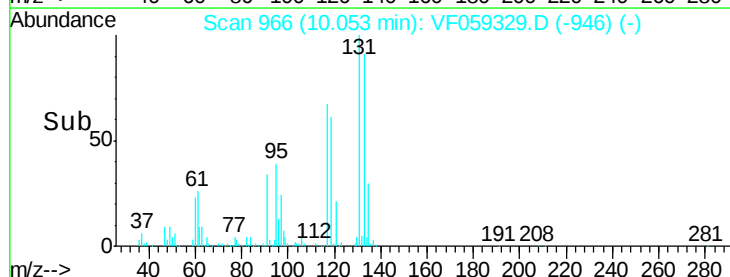
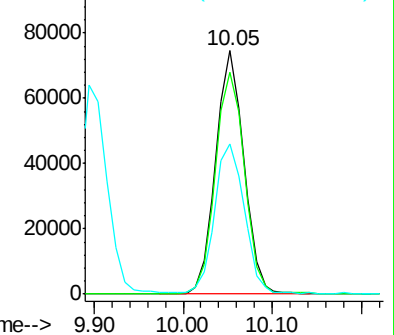
119 61.8 31.3 93.9

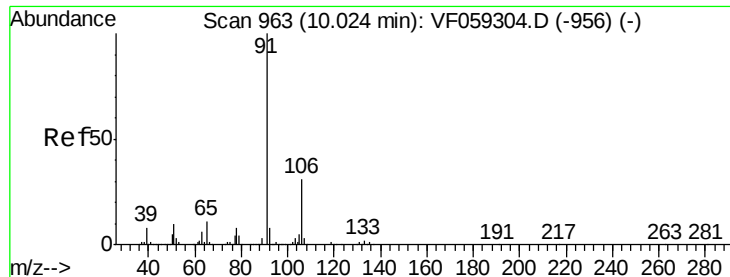


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 47.58 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 651812

Ion Ratio Lower Upper

91 100

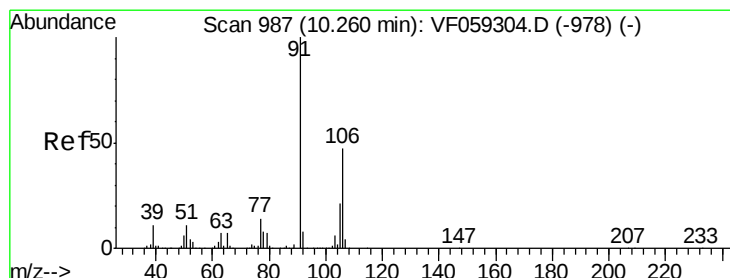
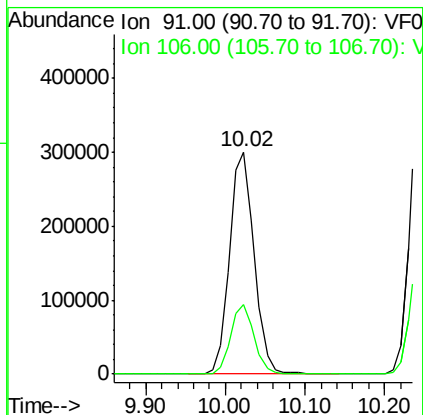
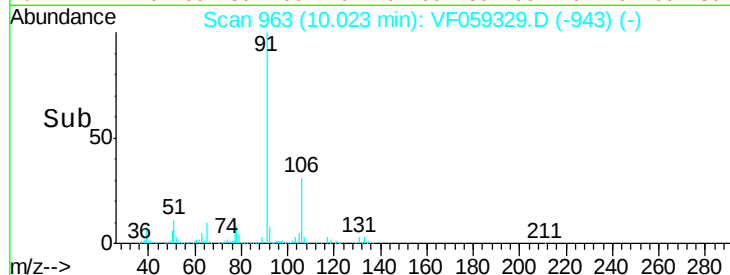
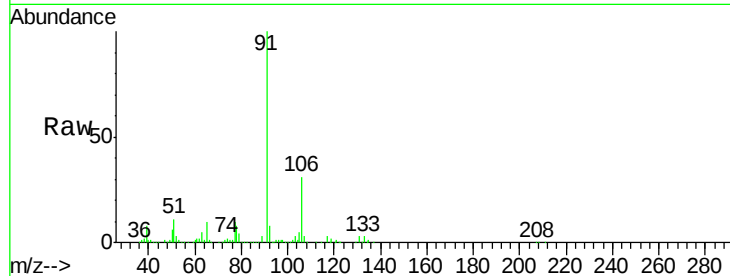
106 31.3 24.8 37.2

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#68

m/p-Xylenes

Concen: 95.67 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059329.D

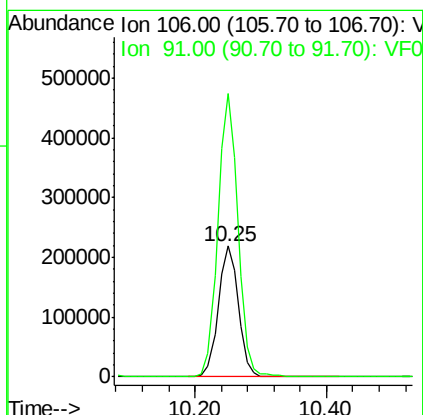
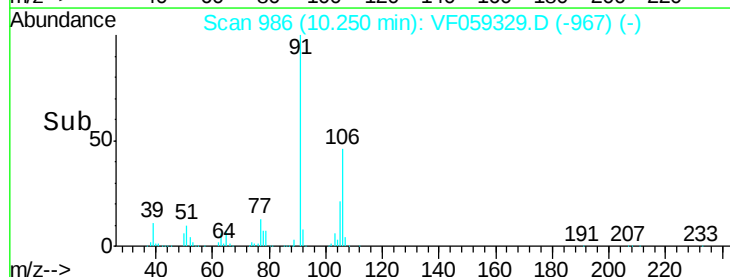
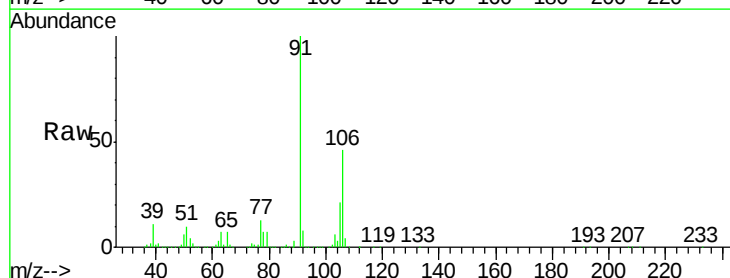
Acq: 26 Jun 2018 21:22

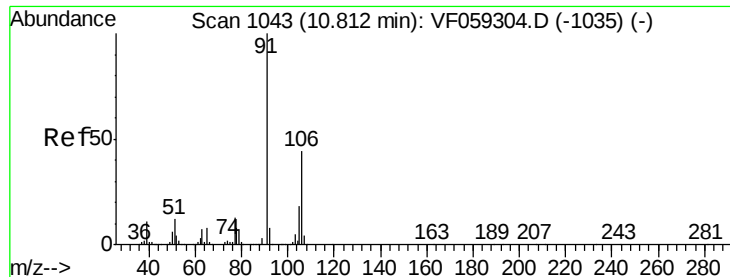
Tgt Ion: 106 Resp: 466500

Ion Ratio Lower Upper

106 100

91 216.3 170.8 256.2





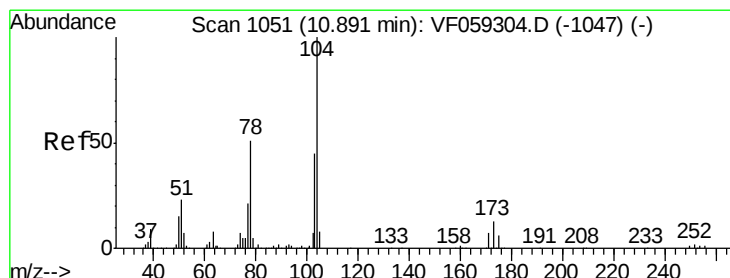
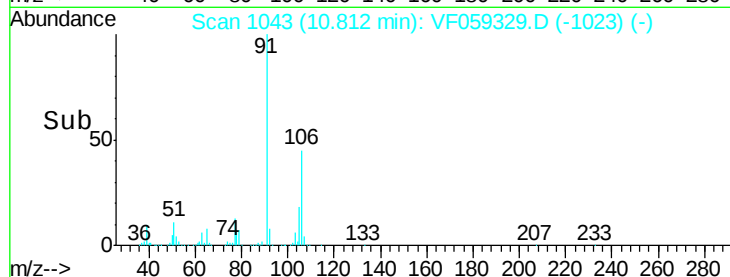
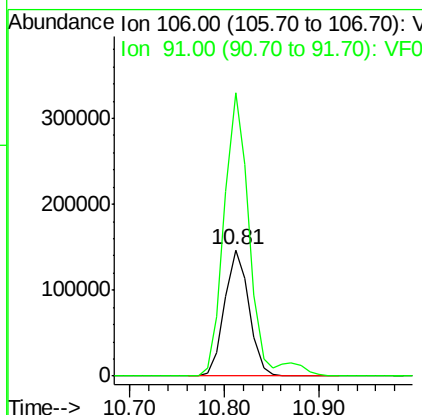
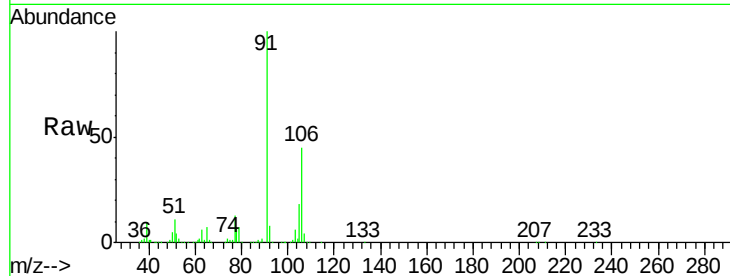
#69
o-Xylene
Concen: 48.53 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
264647	106	100		
	91	224.4	114.6	343.6

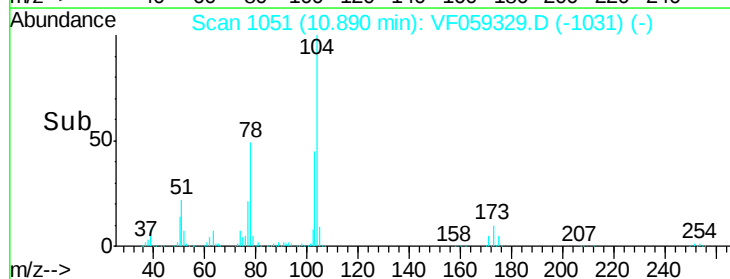
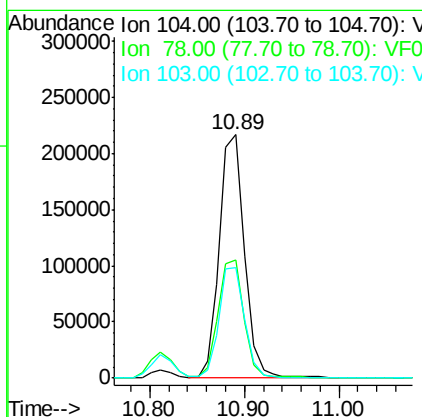
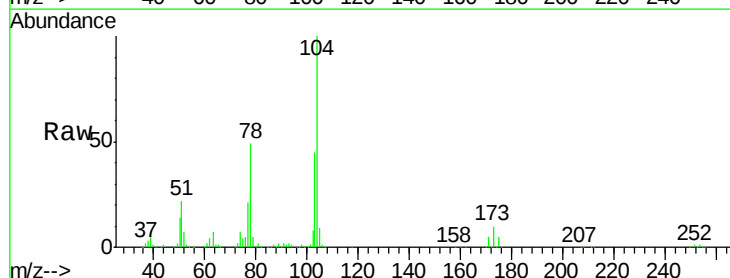
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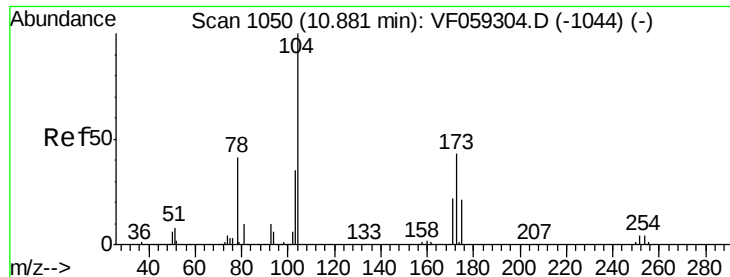
apatel
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#70
Styrene
Concen: 47.93 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ion	Ratio	Lower	Upper
398195	104	100		
	78	48.7	40.9	61.3
	103	45.4	36.5	54.7





#71

Bromoform

Concen: 46.72 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

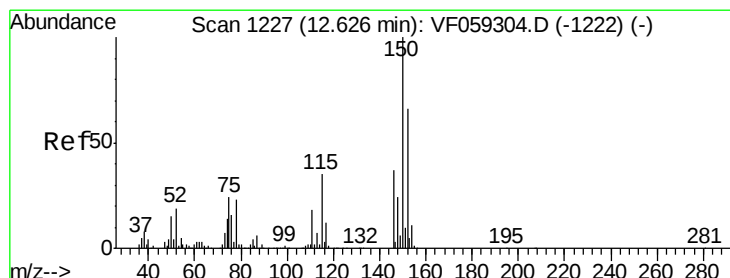
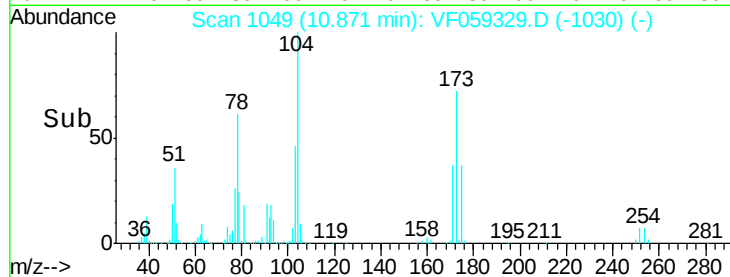
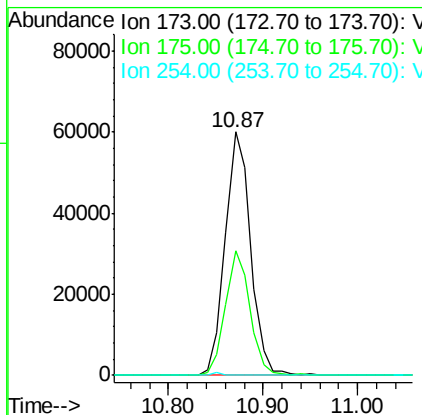
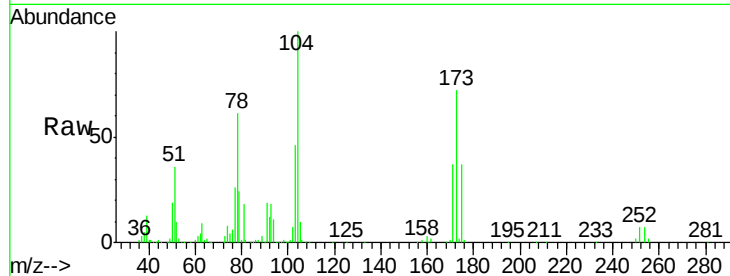
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.8	74.3
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

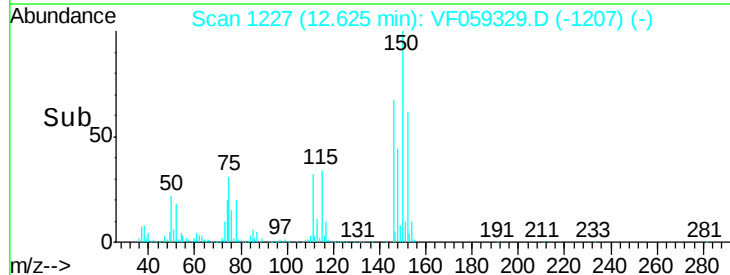
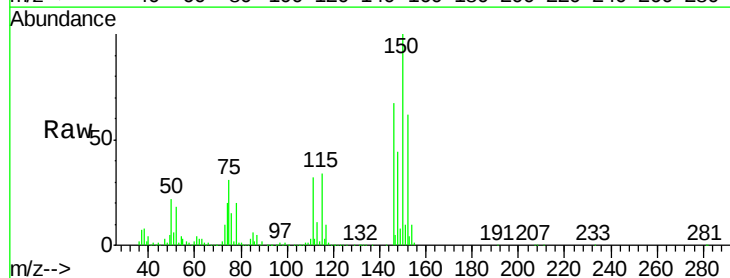
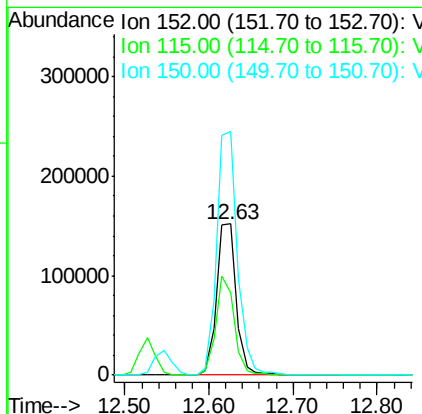
RT: 12.63 min Scan# 1227

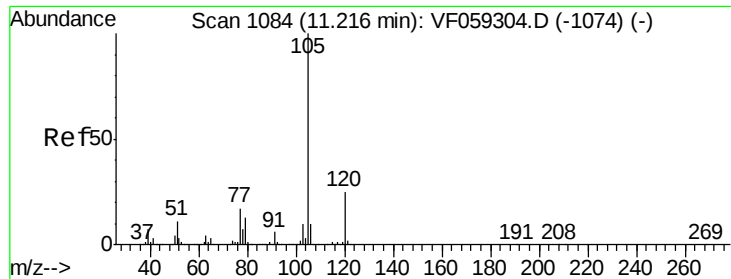
Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.3
150	161.2	0.0	305.2





#73

Isopropylbenzene

Concen: 52.26 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 752972

Ion Ratio Lower Upper

105 100

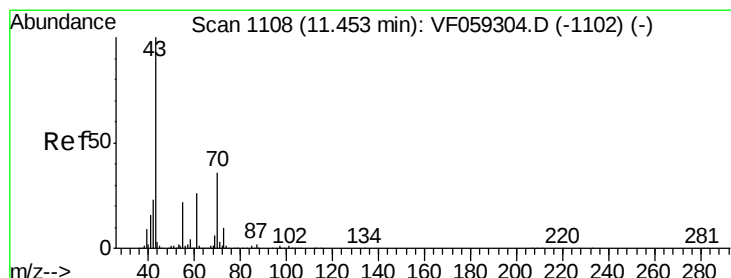
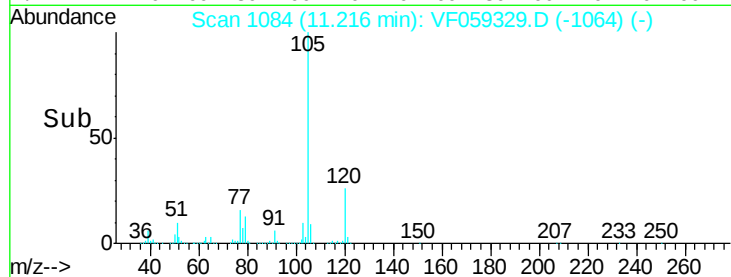
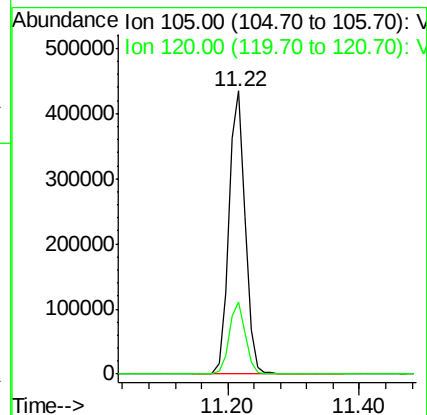
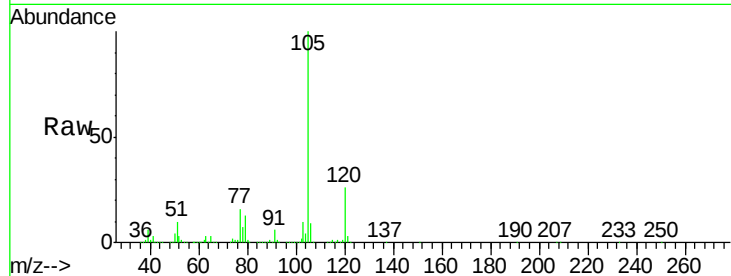
120 25.5 12.3 36.8

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#74

N-ethyl acetate

Concen: 53.59 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion: 43 Resp: 280175

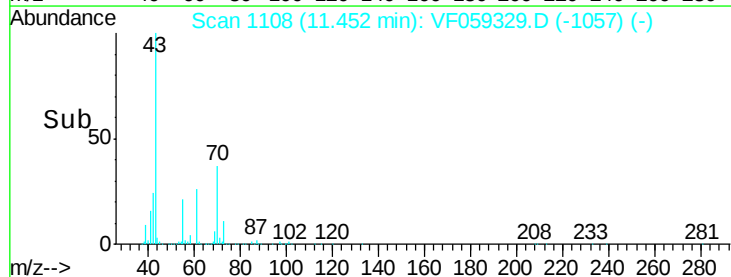
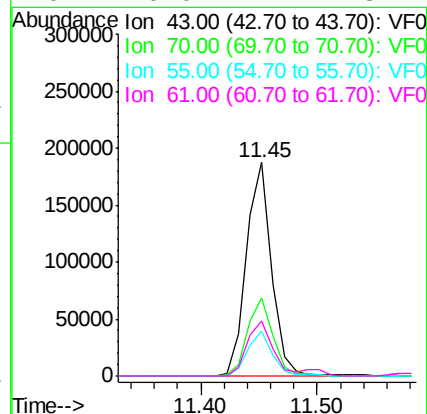
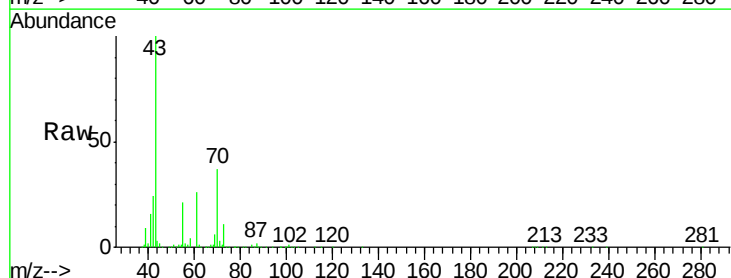
Ion Ratio Lower Upper

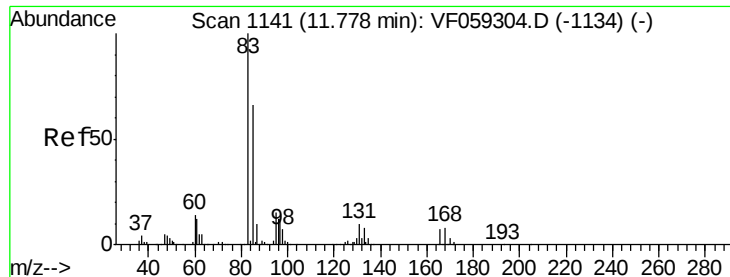
43 100

70 36.8 28.8 43.2

55 20.8 17.4 26.0

61 26.0 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.40 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

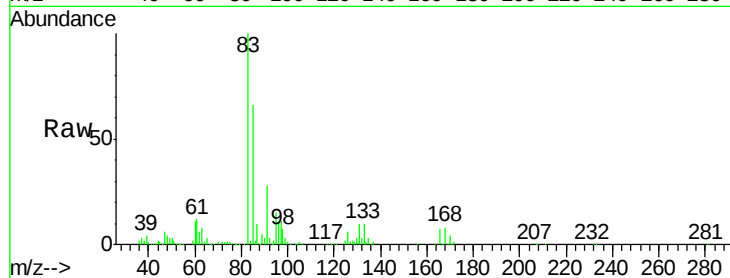
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	179759
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	65.7	32.8	98.4

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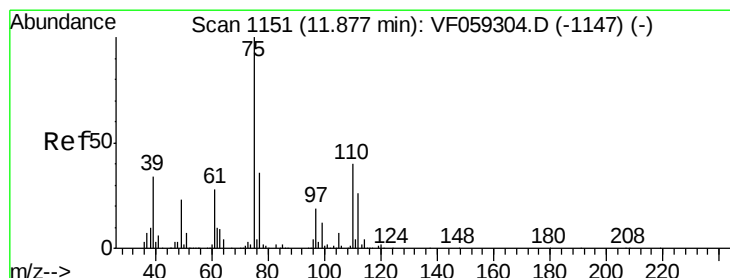
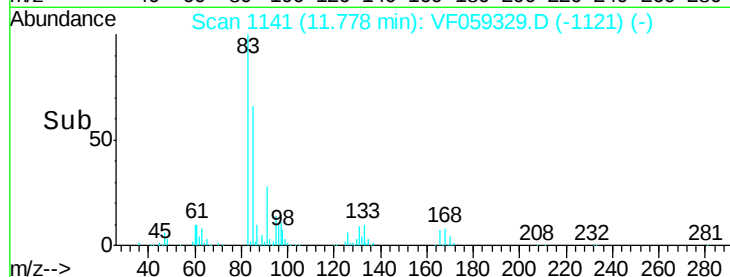
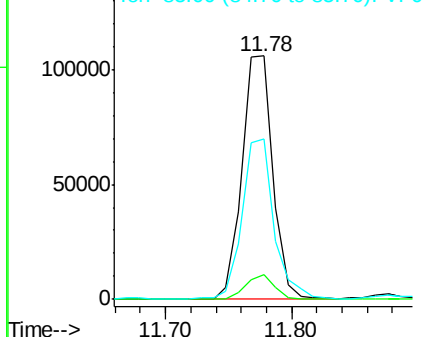
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Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 48.54 ug/l

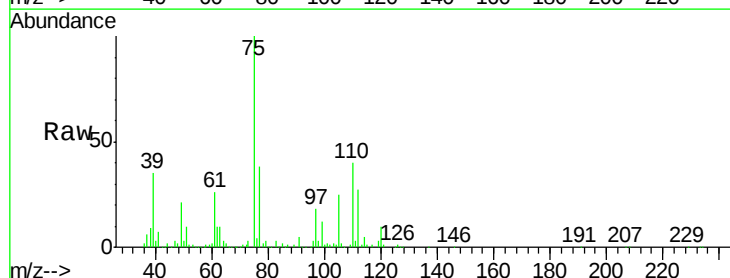
RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059329.D

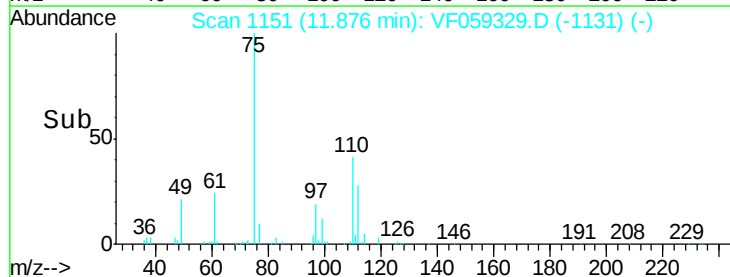
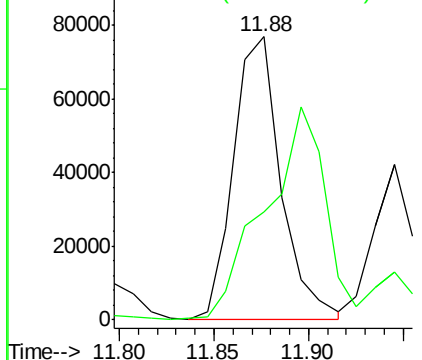
Acq: 26 Jun 2018 21:22

Tgt Ion:	75	Resp:	133221
Ion Ratio	Lower	Upper	
75	100		
77	38.1	18.0	54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.47 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 201748

Ion Ratio Lower Upper

156 100

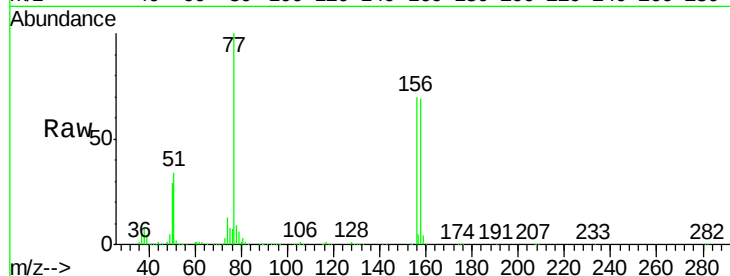
77 142.7 79.7 238.9

158 99.1 46.2 138.6

Manual Integrations
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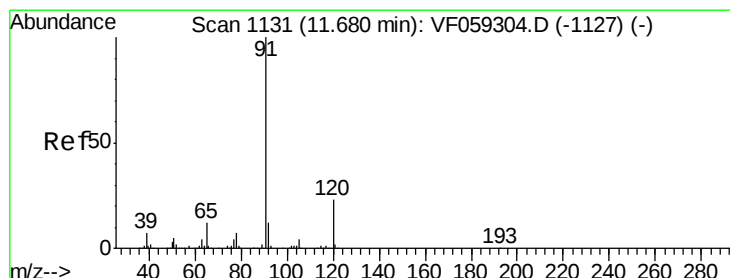
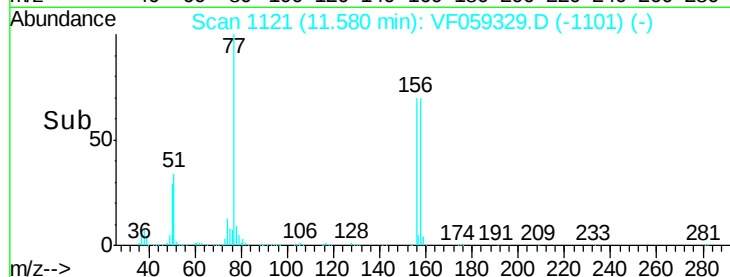
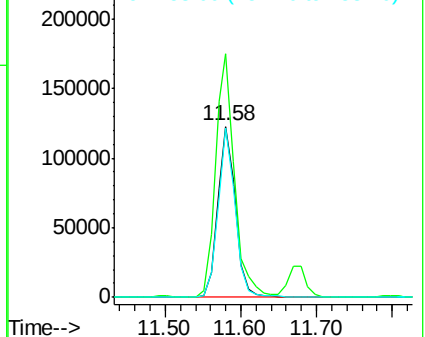
6/27/2018 5:48:31 PM



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: 50.98 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059329.D

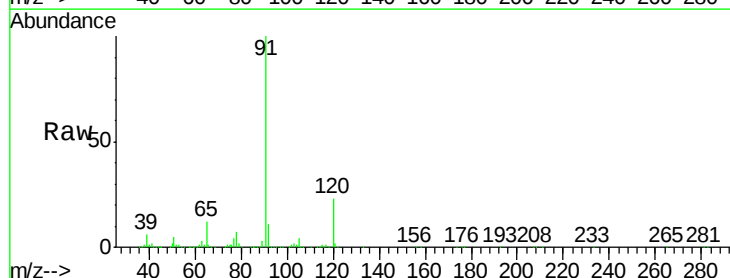
Acq: 26 Jun 2018 21:22

Tgt Ion: 91 Resp: 882155

Ion Ratio Lower Upper

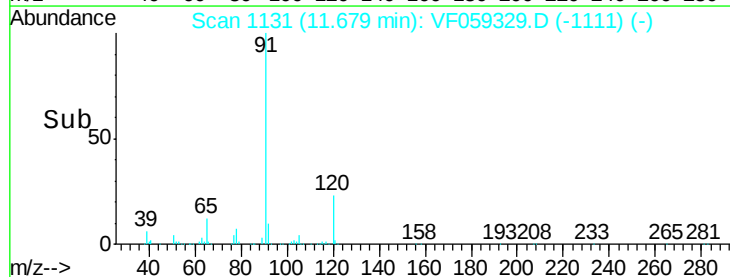
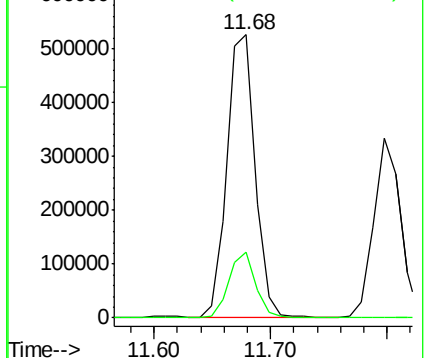
91 100

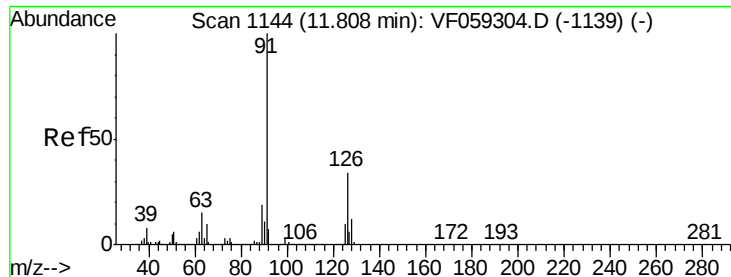
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.97 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 528252

Ion Ratio Lower Upper

91 100

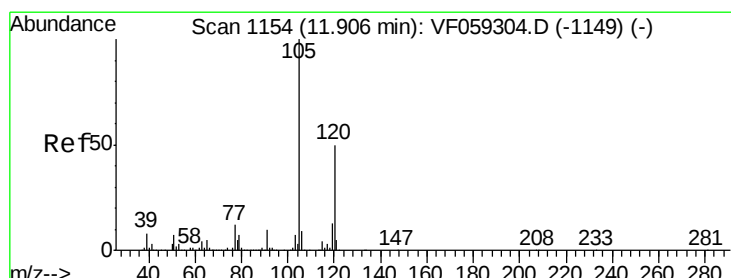
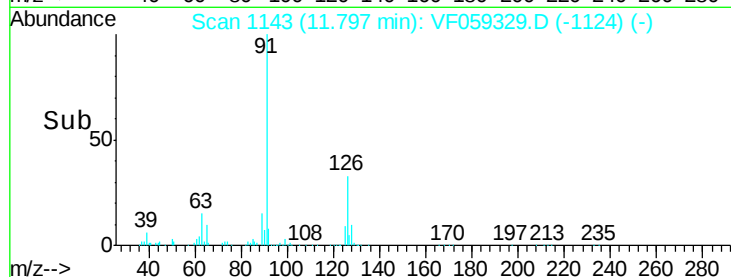
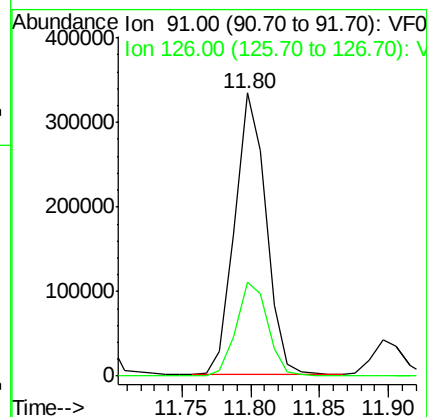
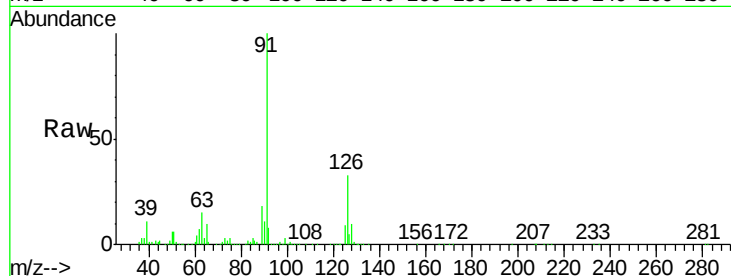
126 33.2 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.40 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059329.D

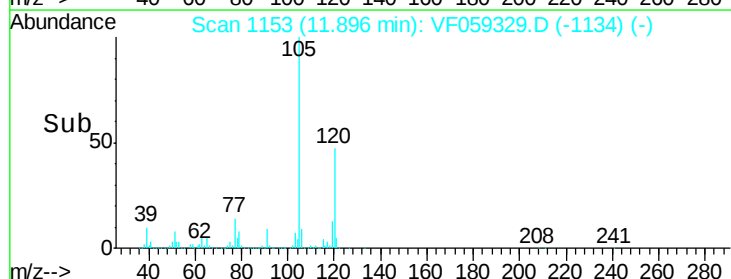
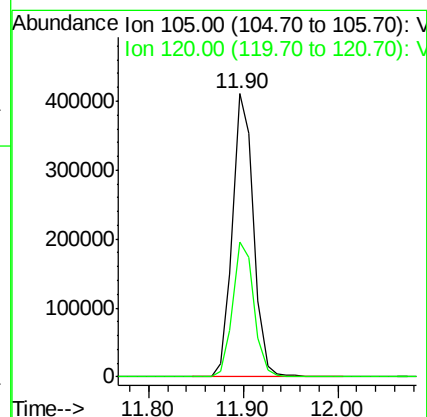
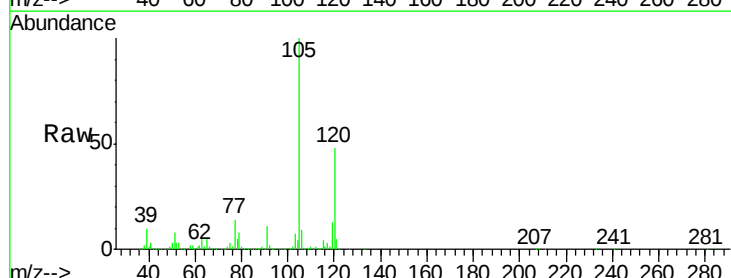
Acq: 26 Jun 2018 21:22

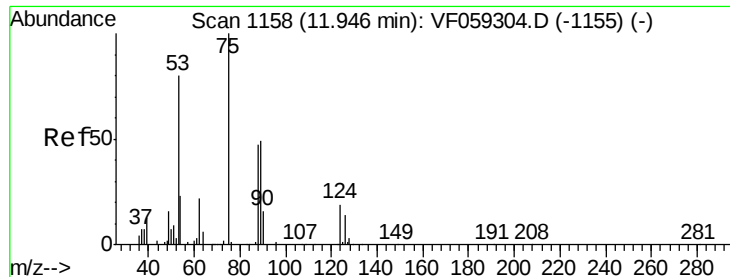
Tgt Ion: 105 Resp: 636069

Ion Ratio Lower Upper

105 100

120 47.5 24.9 74.7





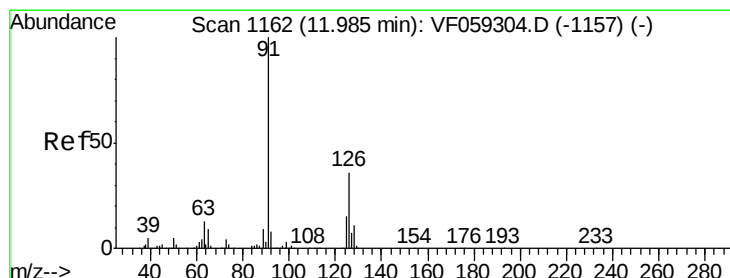
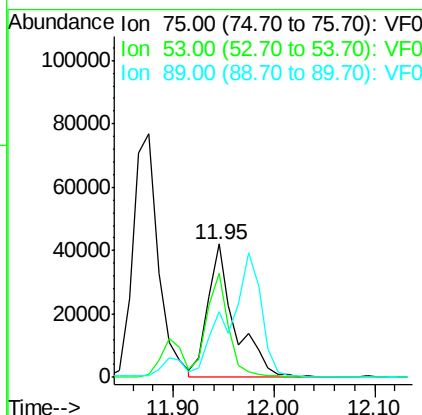
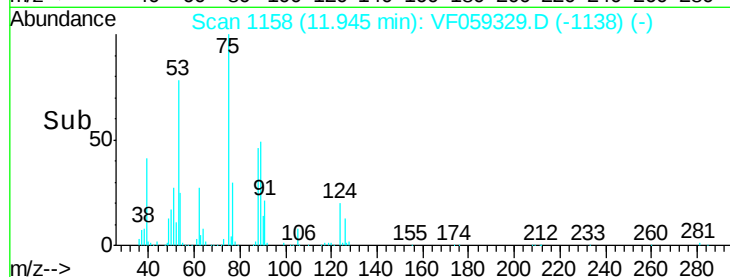
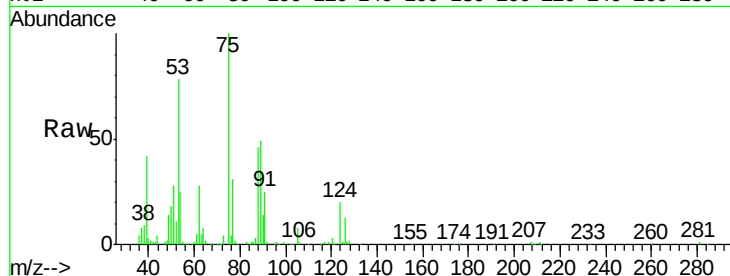
#81
trans-1,4-Dichloro-2-butene
Concen: 48.46 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.4	68.8	103.2
89	49.0	42.0	63.0

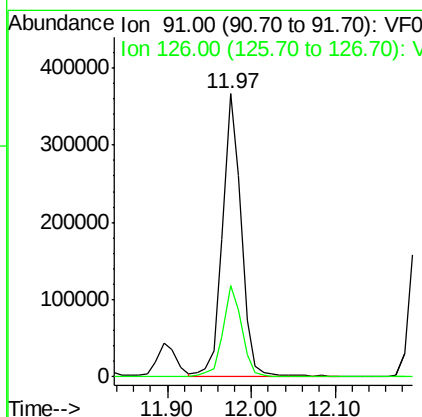
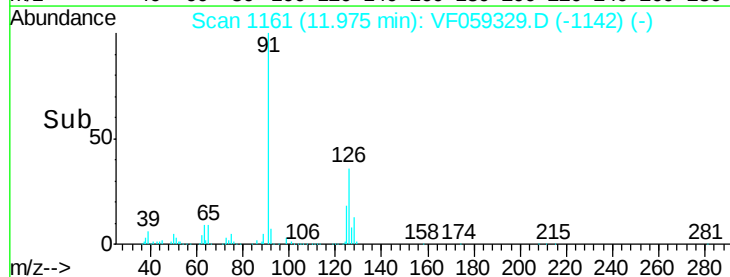
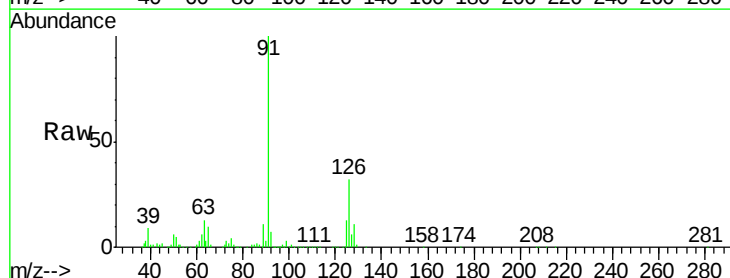
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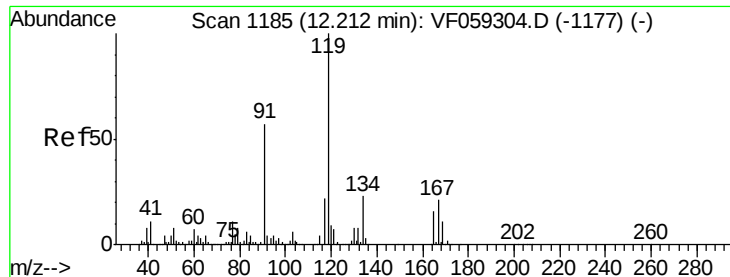
apatel
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#82
4-Chlorotoluene
Concen: 49.62 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	18.2	54.6





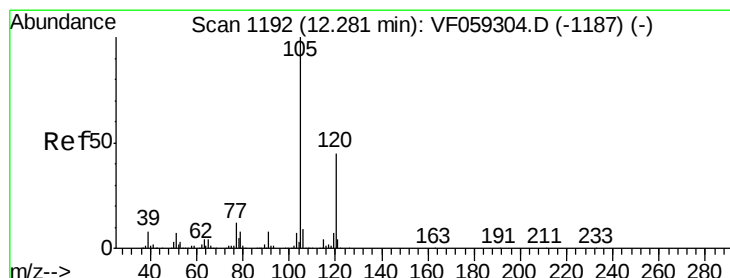
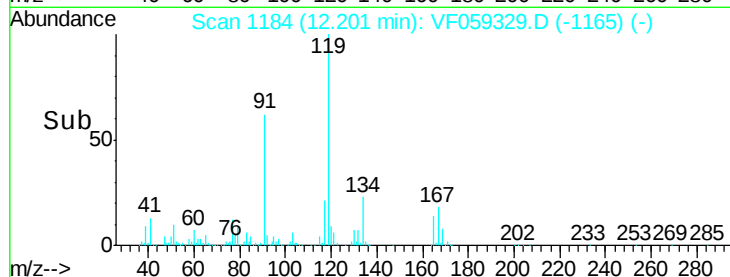
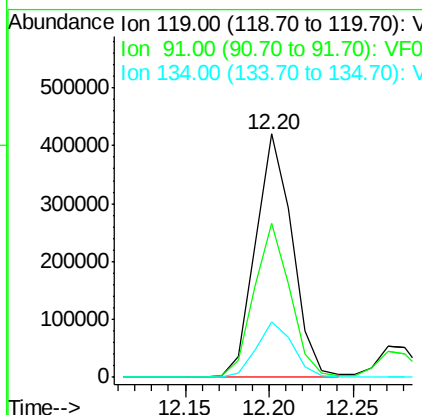
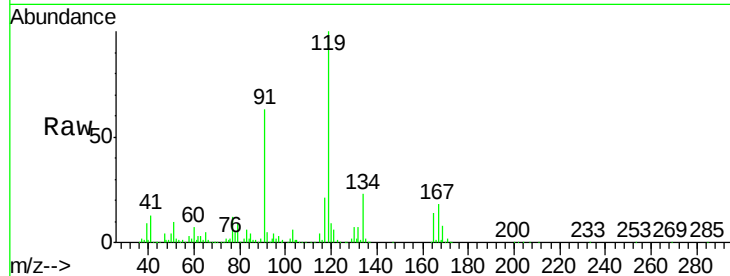
#83
 tert-Butylbenzene
 Concen: 50.43 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	636543		
91	63.1	28.4	85.2	
134	22.7	11.7	35.1	

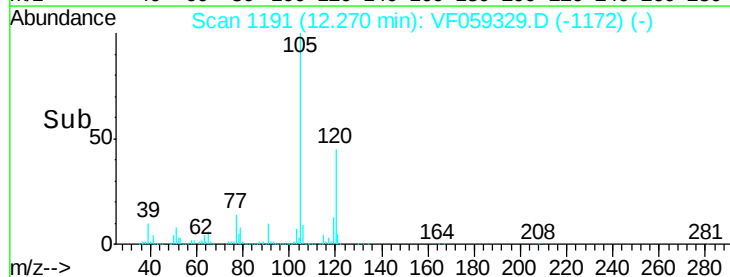
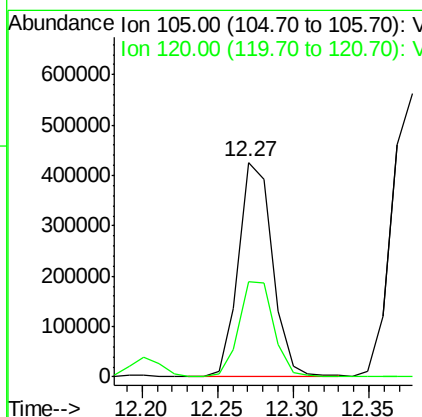
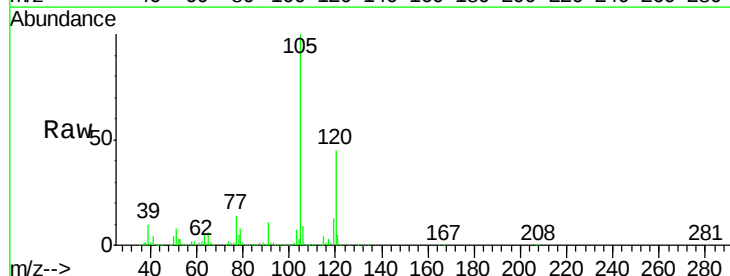
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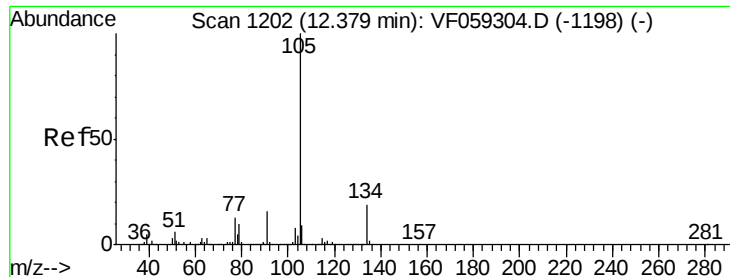
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.16 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	666754		
120	44.5	22.8	68.4	





#85

sec-Butylbenzene

Concen: 50.61 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 846760

Ion Ratio Lower Upper

105 100

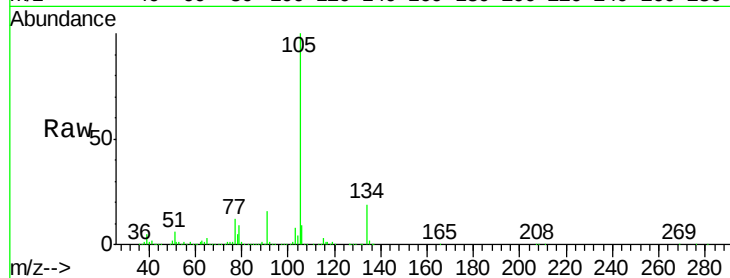
134 19.3 9.4 28.3

Manual Integrations

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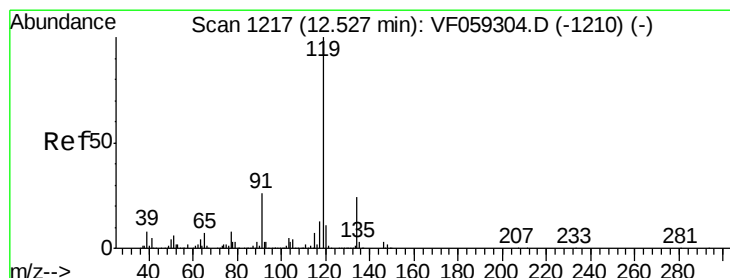
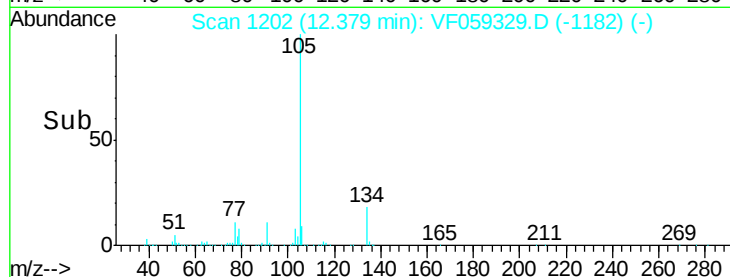
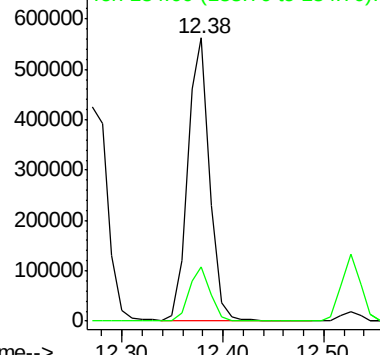
apatel

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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: 51.23 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

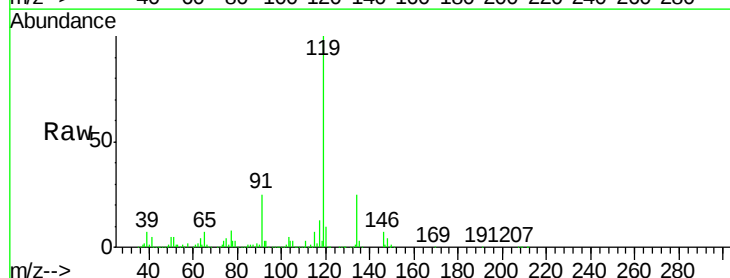
Tgt Ion:119 Resp: 719322

Ion Ratio Lower Upper

119 100

134 25.0 12.2 36.4

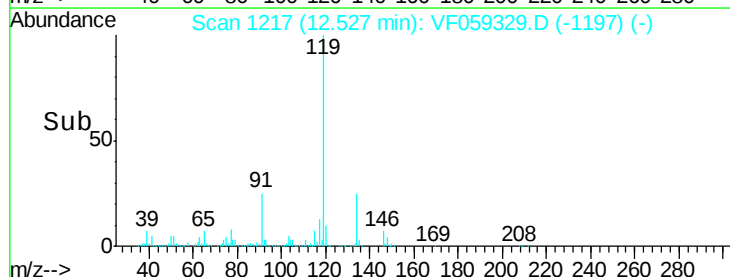
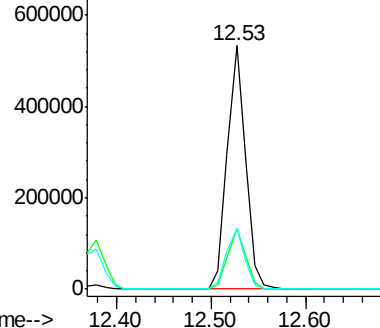
91 25.1 12.9 38.6

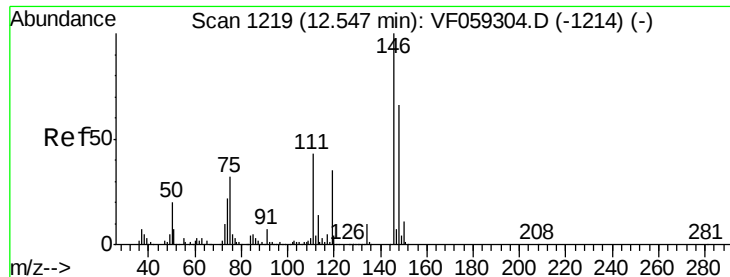


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





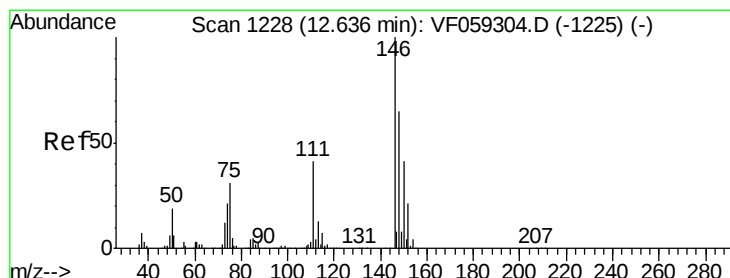
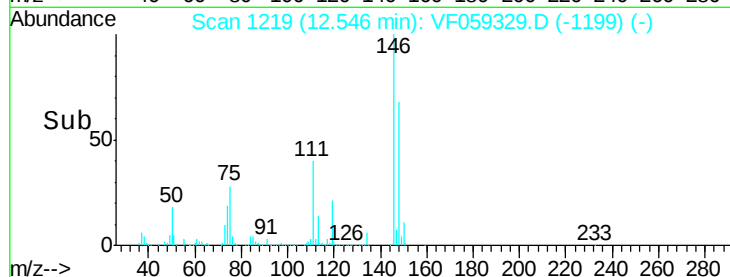
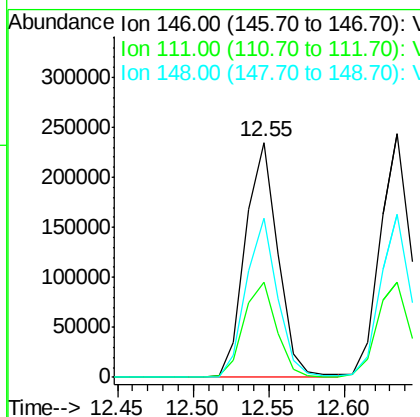
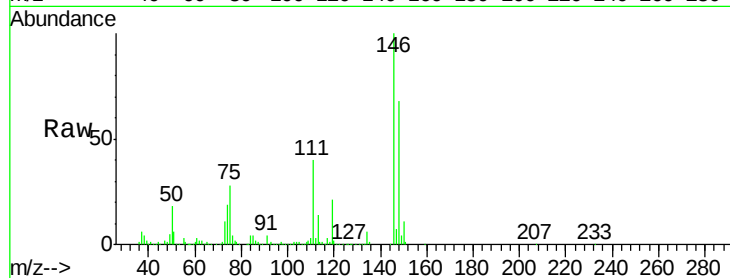
#87
 1,3-Dichlorobenzene
 Concen: 54.05 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.2
148	68.0	32.8	98.4

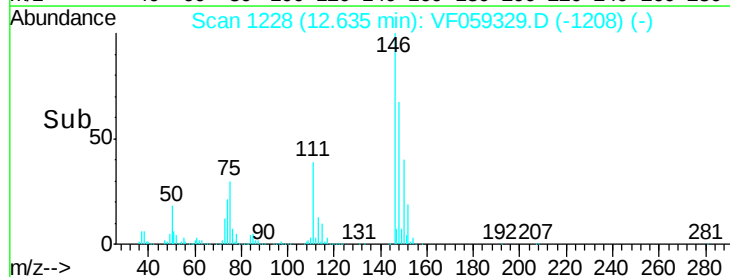
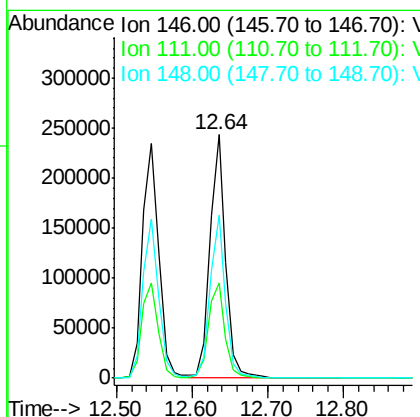
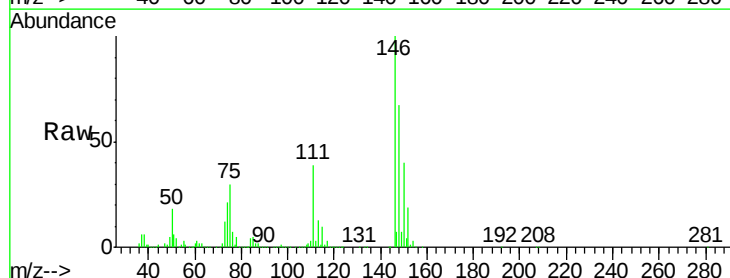
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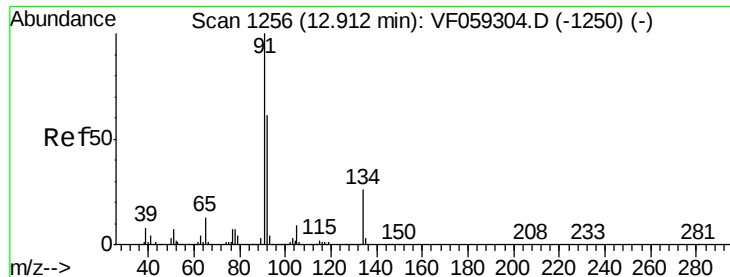
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#88
 1,4-Dichlorobenzene
 Concen: 49.80 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.7	62.1
148	66.9	32.8	98.3





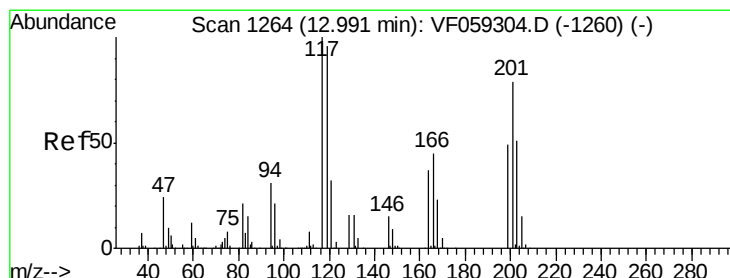
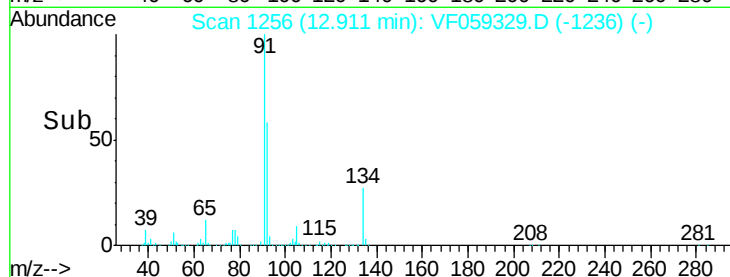
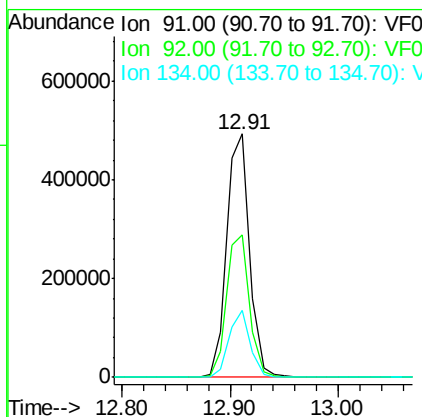
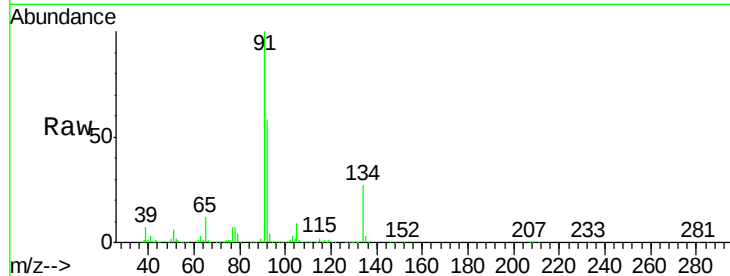
#89
n-Butylbenzene
Concen: 50.80 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	30.3	91.0
134	27.3	12.9	38.7

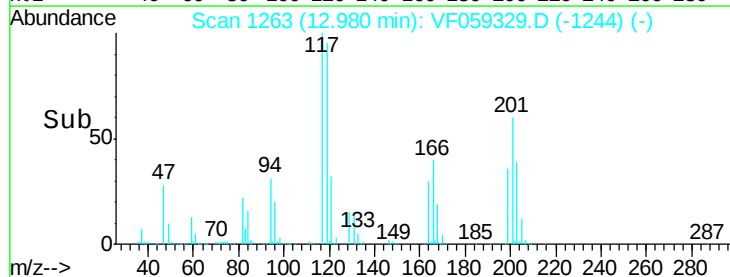
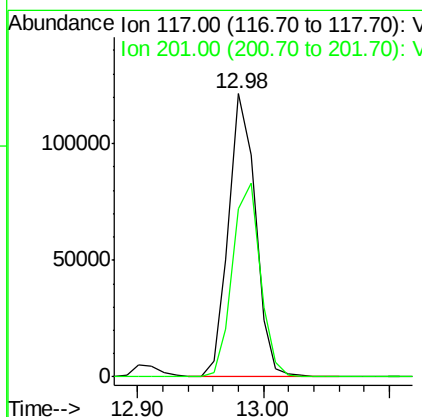
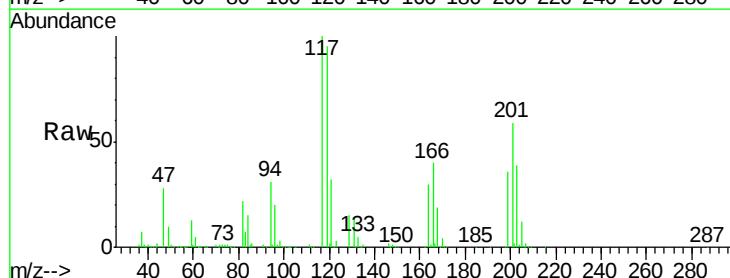
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#90
Hexachloroethane
Concen: 51.31 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059329.D
Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.4	39.5	118.5





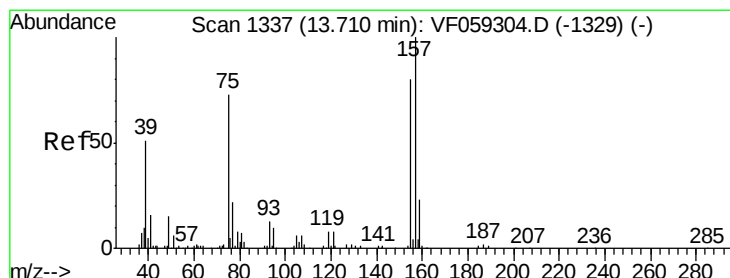
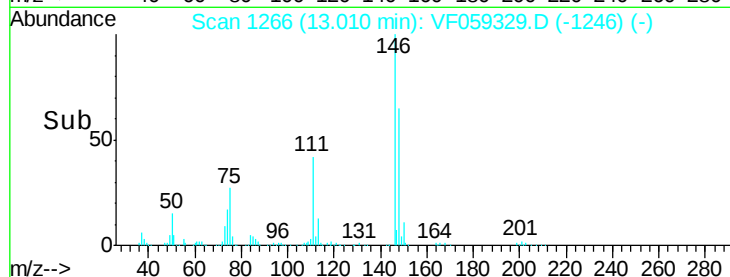
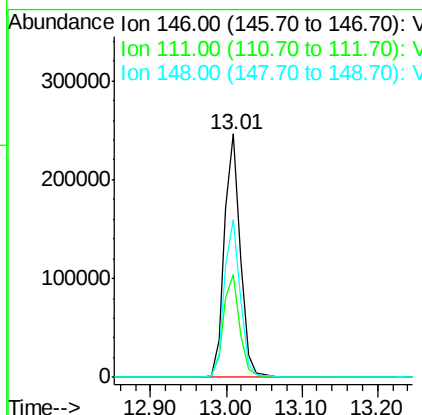
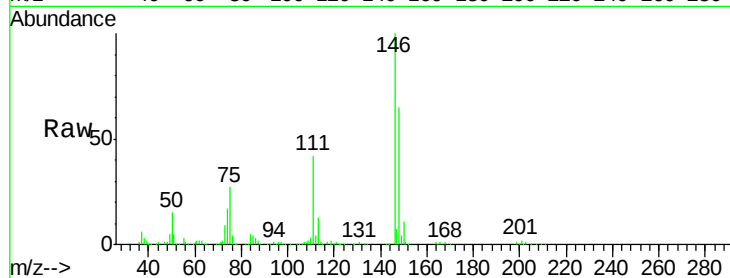
#91
 1,2-Dichlorobenzene
 Concen: 49.47 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.7	68.0
148	65.0	33.5	100.4

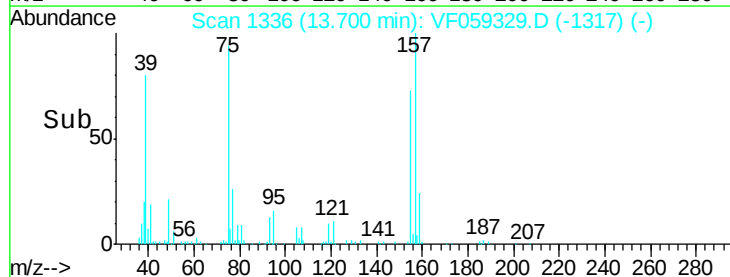
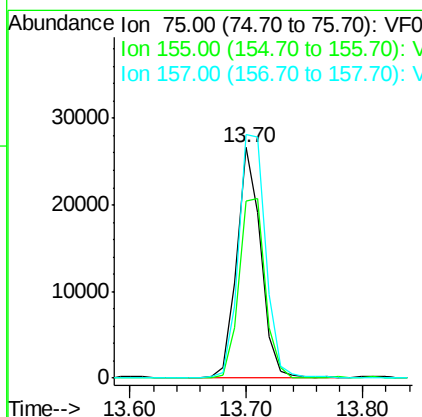
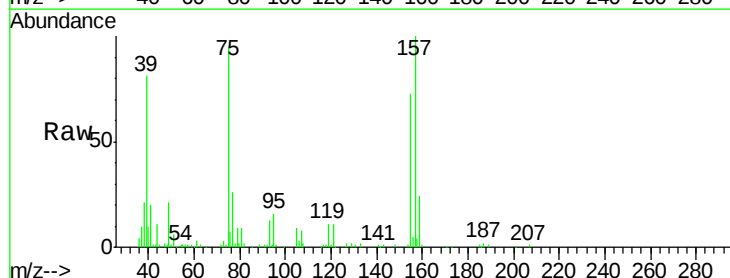
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.41 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	54.6	163.8
157	105.5	68.7	205.9





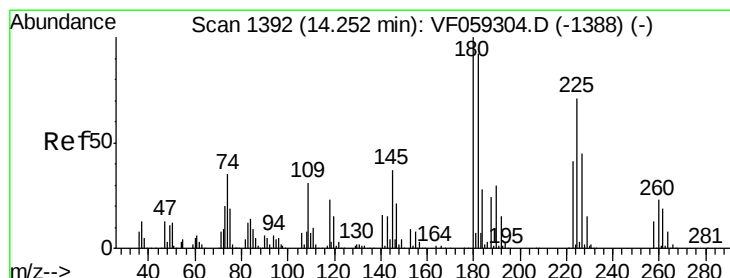
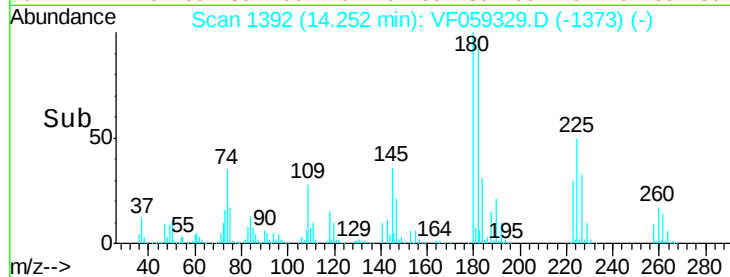
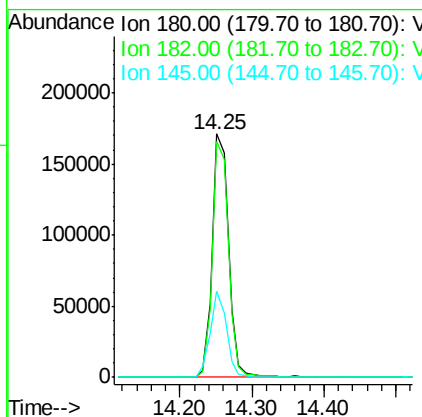
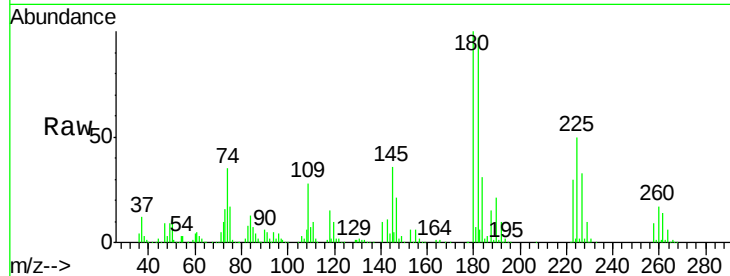
#93
 1,2,4-Trichlorobenzene
 Concen: 50.09 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268770		
182	96.8	48.1	144.3	
145	35.6	15.3	45.8	

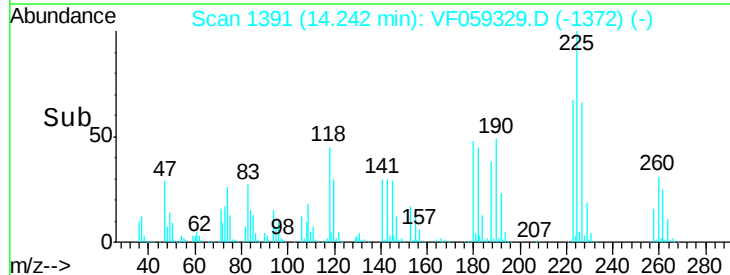
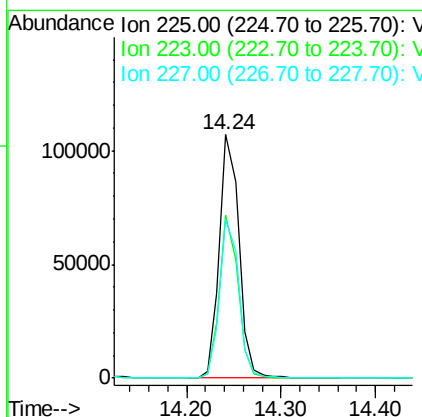
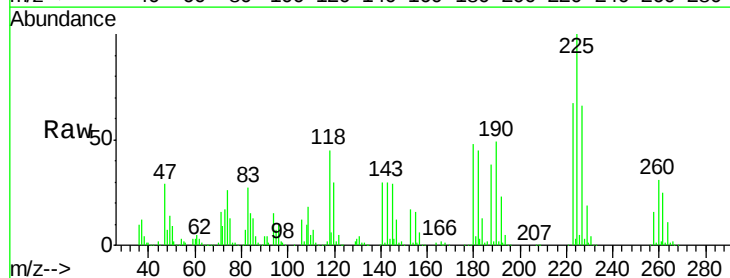
Manual Integrations
 APPROVED

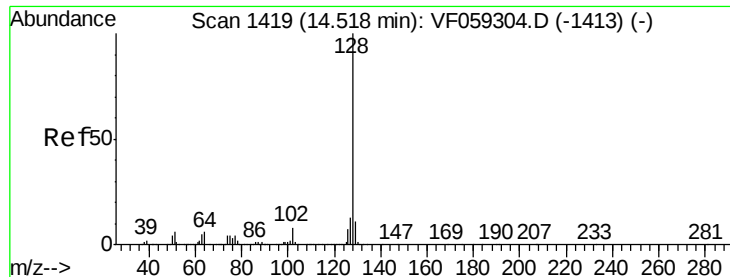
apatel
 6/27/2018 5:48:31 PM



#94
 Hexachlorobutadiene
 Concen: 51.48 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059329.D
 Acq: 26 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154301		
223	66.9	28.9	86.8	
227	65.6	31.3	93.8	





#95

Naphthalene

Concen: 52.13 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Instrument :

MSVOA_F

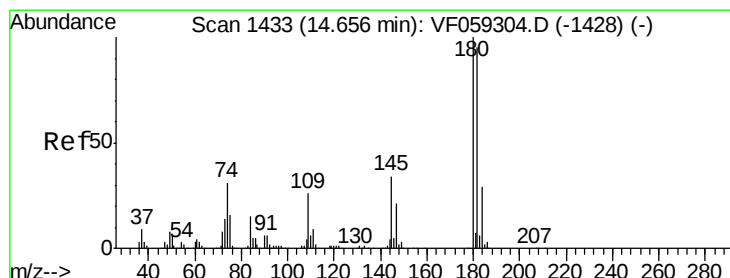
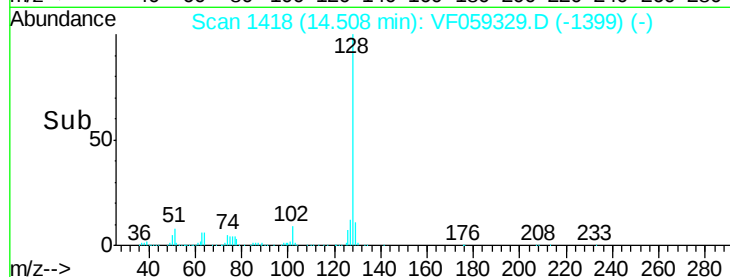
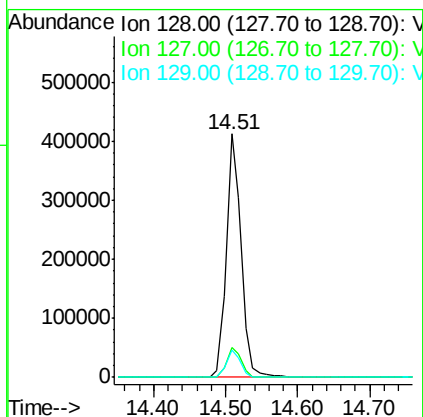
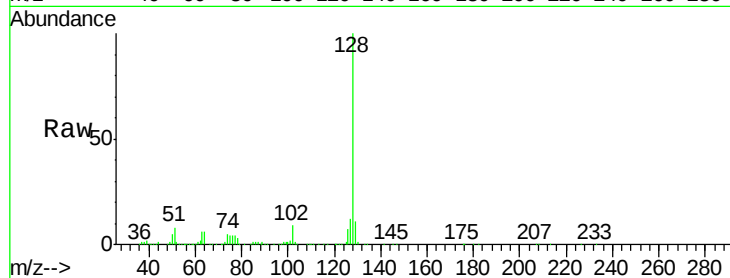
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	585223
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

apatel
6/27/2018 5:48:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.20 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059329.D

Acq: 26 Jun 2018 21:22

Tgt Ion:	180	Resp:	260265
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.5
145	31.5	17.0	50.9

