

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053329.D
 Acq On : 9 Jan 2019 19:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:31 AM

Quant Time: Jan 10 03:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	899890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1383559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1283440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	603146	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	454666	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	395862	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
50) Toluene-d8	10.09	98	1688437	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	604566	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	394453	49.720	ug/l	100
3) Chloromethane	2.06	50	535832	48.365	ug/l	100
4) Vinyl Chloride	2.19	62	518578	49.041	ug/l	100
5) Bromomethane	2.52	94	306963	44.424	ug/l	98
6) Chloroethane	2.68	64	311348	48.781	ug/l	100
7) Trichlorofluoromethane	3.01	101	630503	46.033	ug/l	100
8) Diethyl Ether	3.41	74	266639	49.668	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	413035	47.581	ug/l	99
10) Methyl Iodide	3.95	142	644578	52.973	ug/l	99
11) Tert butyl alcohol	4.78	59	112335	199.488	ug/l	100
12) 1,1-Dichloroethene	3.73	96	400327	47.677	ug/l	99
13) Acrolein	3.60	56	154547	218.280	ug/l	100
14) Allyl chloride	4.32	41	675553	49.918	ug/l	96
15) Acrylonitrile	4.99	53	839572	249.756	ug/l	99
16) Acetone	3.81	43	524618	232.676	ug/l	100
17) Carbon Disulfide	4.05	76	1147526	44.329	ug/l	99
18) Methyl Acetate	4.32	43	435232	51.366	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1187421	50.388	ug/l	99
20) Methylene Chloride	4.55	84	482979	48.032	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	432901	48.017	ug/l	100
22) Diisopropyl ether	5.95	45	1463500	50.198	ug/l	98
23) Vinyl Acetate	5.89	43	4638328	252.849	ug/l	100
24) 1,1-Dichloroethane	5.85	63	826516	49.154	ug/l	99
25) 2-Butanone	6.83	43	911977	237.435	ug/l	100
26) 2,2-Dichloropropane	6.82	77	579735	47.166	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	504813	49.032	ug/l	99
28) Bromochloromethane	7.19	49	364533	50.874	ug/l	100
29) Tetrahydrofuran	7.21	42	615700	242.911	ug/l	99
30) Chloroform	7.37	83	801825	48.448	ug/l	98
31) Cyclohexane	7.65	56	766660	47.972	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	676602	49.060	ug/l	100
36) 1,1-Dichloropropene	7.79	75	625195	48.403	ug/l	100
37) Ethyl Acetate	6.93	43	415200	49.351	ug/l	99
38) Carbon Tetrachloride	7.77	117	580522	48.694	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	773209	51.672	ug/l	99
40) Benzene	8.04	78	1941957	49.220	ug/l	100
41) Methacrylonitrile	7.17	41	247186	47.324	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	574841	49.118	ug/l	100
43) Isopropyl Acetate	8.16	43	782770	47.295	ug/l	99
44) Trichloroethene	8.83	130	527799	48.718	ug/l	99
45) 1,2-Dichloropropane	9.12	63	515911	49.856	ug/l	98
46) Dibromomethane	9.21	93	300202	49.755	ug/l	99
47) Bromodichloromethane	9.40	83	620940	49.384	ug/l	100
48) Methyl methacrylate	9.20	41	385771	51.304	ug/l	99
49) 1,4-Dioxane	9.20	88	57938	723.206	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2137771	256.846	ug/l	100
52) Toluene	10.16	92	1219409	50.378	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	655409	50.954	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	743327	50.010	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	442258	49.691	ug/l	99
56) Ethyl methacrylate	10.43	69	618914	53.512	ug/l	99
57) 1,3-Dichloropropane	10.71	76	760808	51.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1597979	255.561	ug/l	100
59) 2-Hexanone	10.75	43	1443638	253.149	ug/l	99
60) Dibromochloromethane	10.90	129	488089	50.845	ug/l	99
61) 1,2-Dibromoethane	11.01	107	448334	51.046	ug/l	98
64) Tetrachloroethene	10.63	164	609278	50.438	ug/l	100
65) Chlorobenzene	11.43	112	1368511	49.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	478758	49.059	ug/l	100
67) Ethyl Benzene	11.51	91	2360596	49.827	ug/l	100
68) m/p-Xylenes	11.62	106	1808169	101.499	ug/l	100
69) o-Xylene	11.95	106	883806	50.675	ug/l	100
70) Styrene	11.96	104	1471155	51.829	ug/l	100
71) Bromoform	12.13	173	345868	50.177	ug/l #	99
73) Isopropylbenzene	12.25	105	2352626	52.390	ug/l	100
74) N-amyl acetate	12.07	43	691801	51.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	506678	49.050	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	462849m	52.613	ug/l	
77) Bromobenzene	12.53	156	611953	51.059	ug/l	100
78) n-propylbenzene	12.59	91	2692918	53.015	ug/l	99
79) 2-Chlorotoluene	12.67	91	1570527	51.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1920281	53.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156601	52.374	ug/l	98
82) 4-Chlorotoluene	12.77	91	1599013	50.736	ug/l	100
83) tert-Butylbenzene	12.99	119	1694940	53.407	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1944584	52.770	ug/l	100
85) sec-Butylbenzene	13.17	105	2294209	54.815	ug/l	100
86) p-Isopropyltoluene	13.29	119	2004528	55.317	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1044738	49.500	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1015172	48.488	ug/l	100
89) n-Butylbenzene	13.62	91	1676831	55.193	ug/l	100
90) Hexachloroethane	13.88	117	303753	52.298	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	955376	48.325	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67786	54.102	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	386382	62.157	ug/l	100
94) Hexachlorobutadiene	15.01	225	277899	54.657	ug/l	99
95) Naphthalene	15.13	128	713873	67.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	279979	68.794	ug/l	98

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

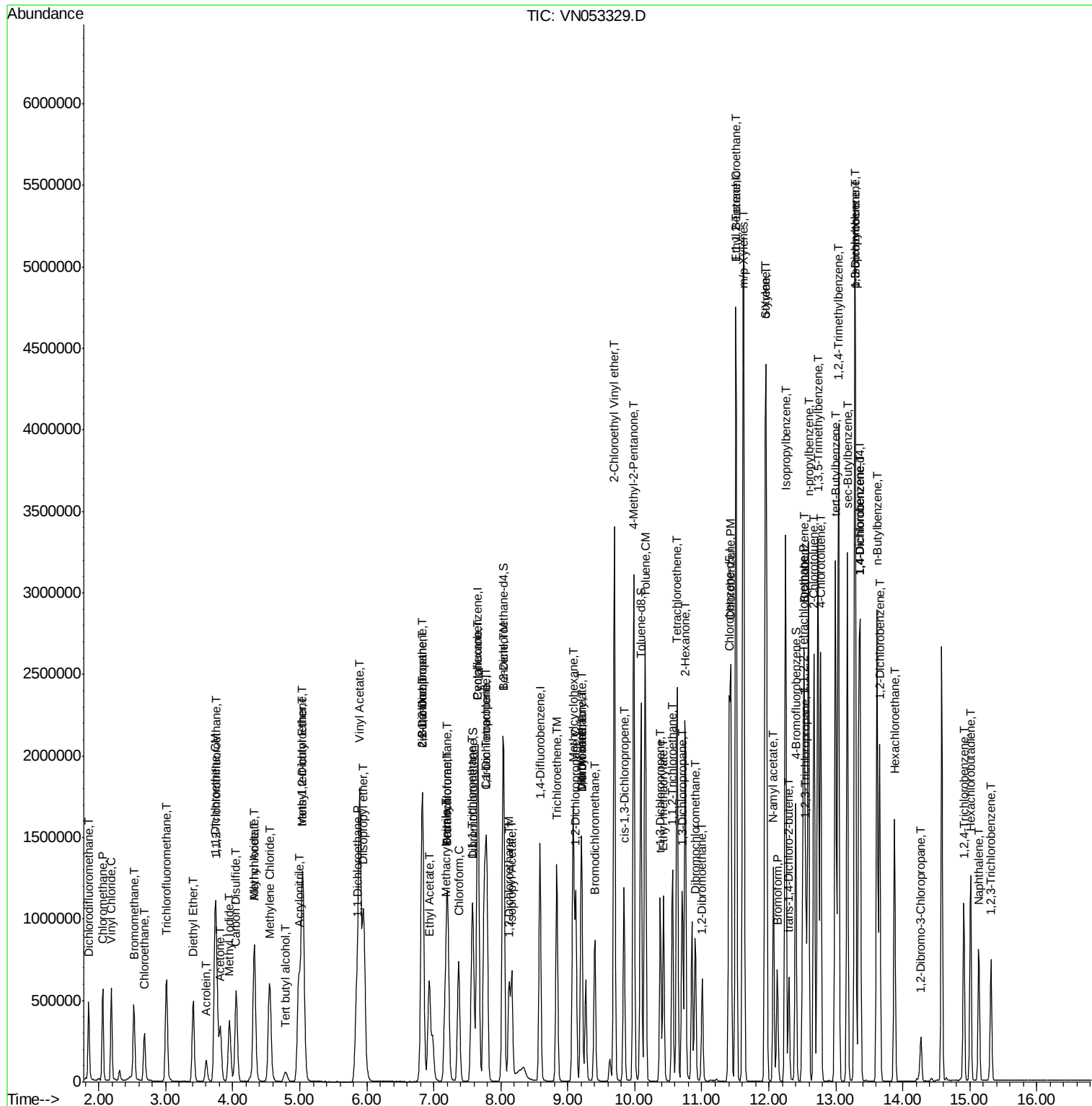
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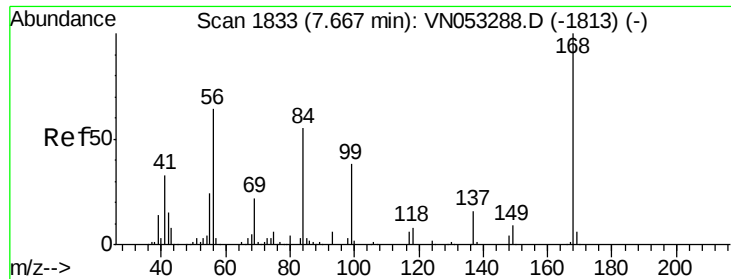
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 899890

Ion Ratio Lower Upper

168 100

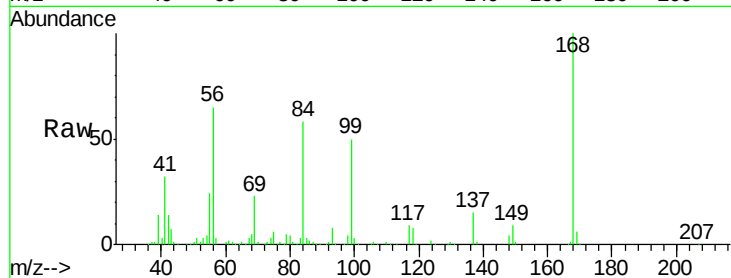
99 49.7 39.1 58.7

Manual Integrations

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1/10/2019 9:25:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

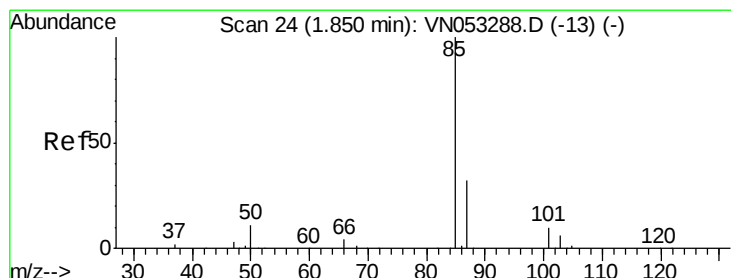
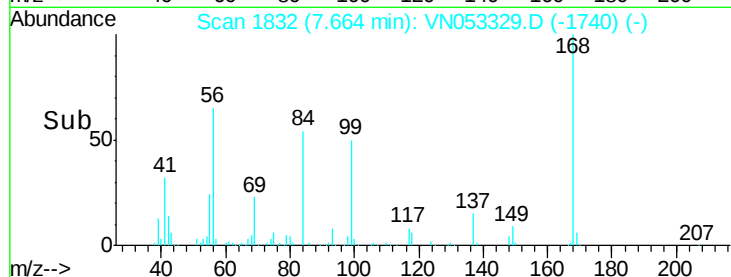
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.720 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053329.D

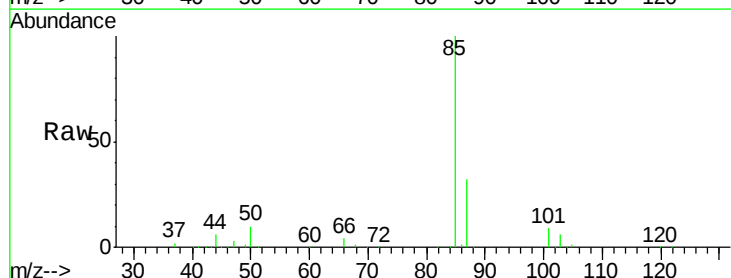
Acq: 9 Jan 2019 19:19

Tgt Ion: 85 Resp: 394453

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

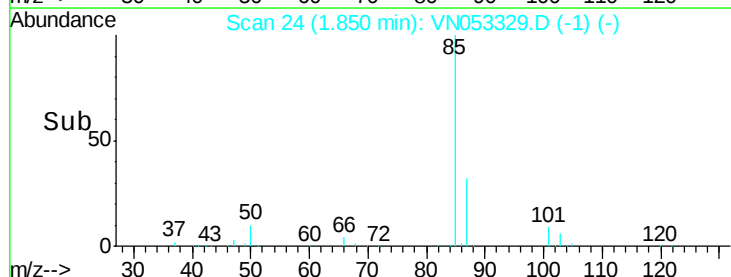
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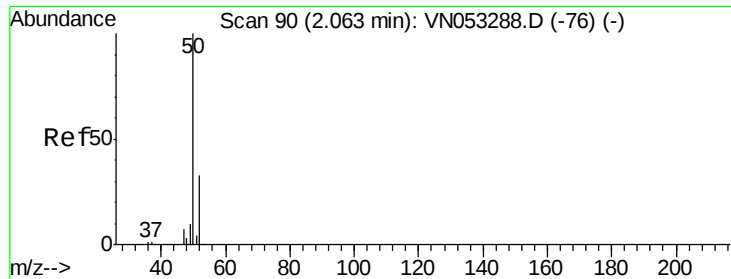
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.365 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 535832

Ion Ratio Lower Upper

50 100

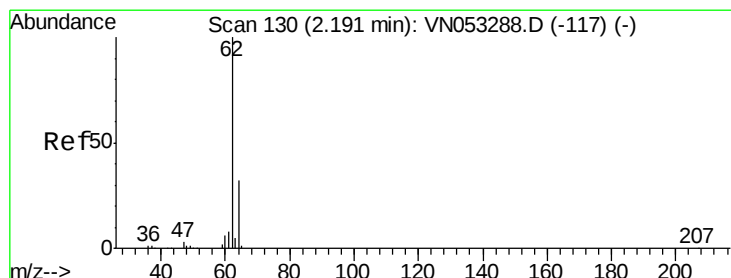
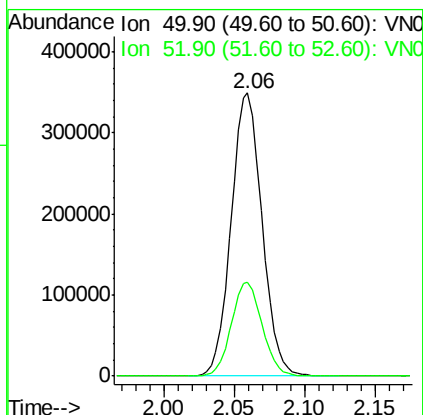
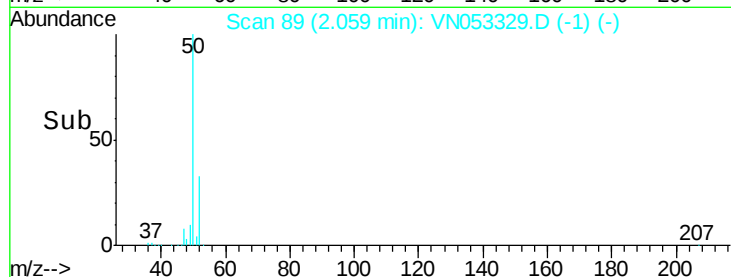
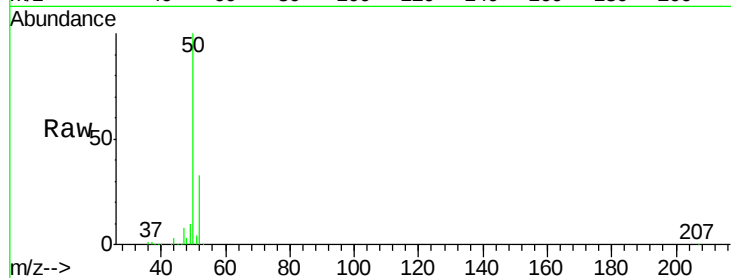
52 33.4 26.6 40.0

Manual Integrations

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1/10/2019 9:25:31 AM



#4

Vinyl Chloride

Concen: 49.041 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053329.D

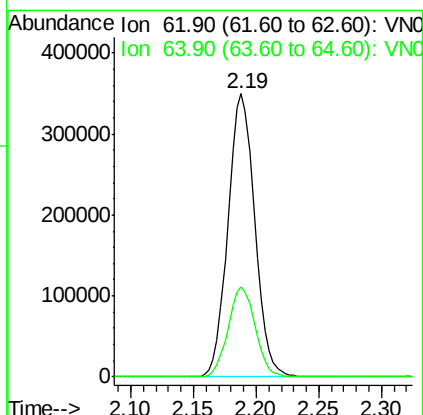
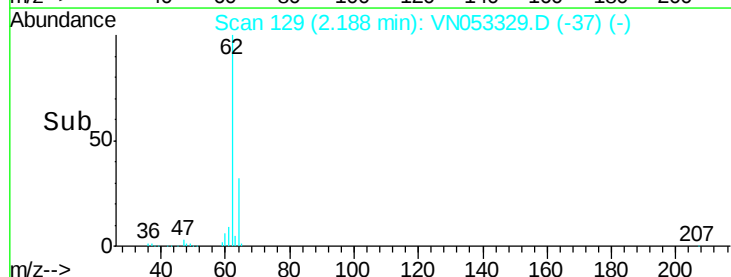
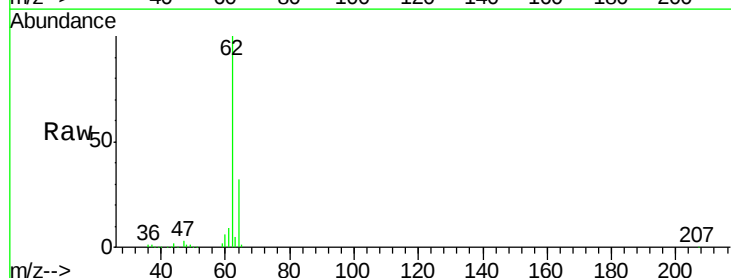
Acq: 9 Jan 2019 19:19

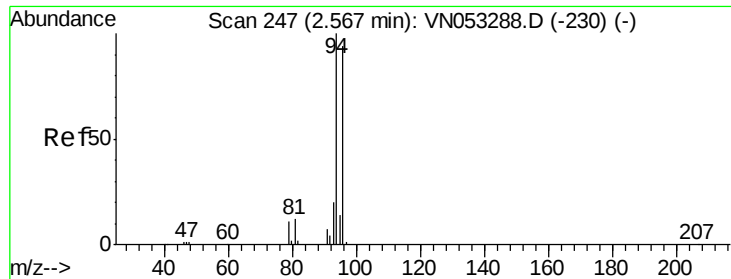
Tgt Ion: 62 Resp: 518578

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 44.424 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.04 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 306963

Ion Ratio Lower Upper

94 100

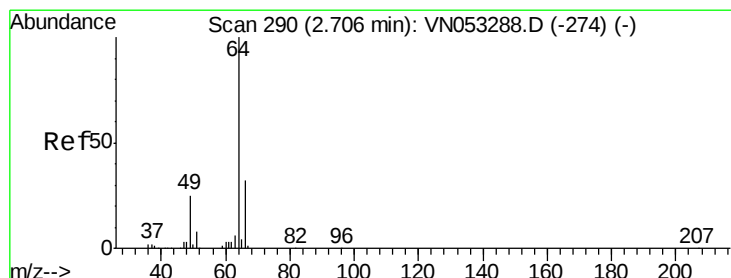
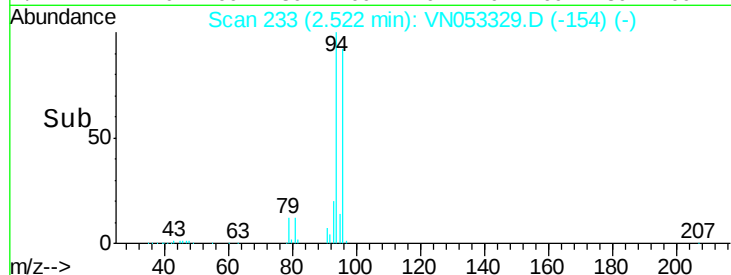
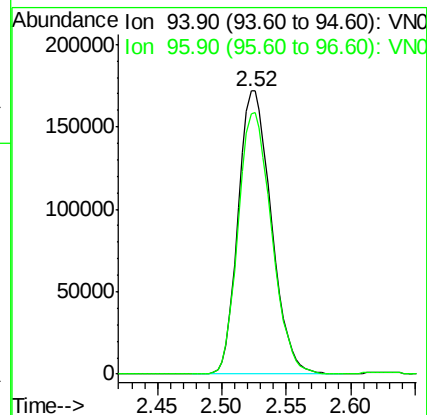
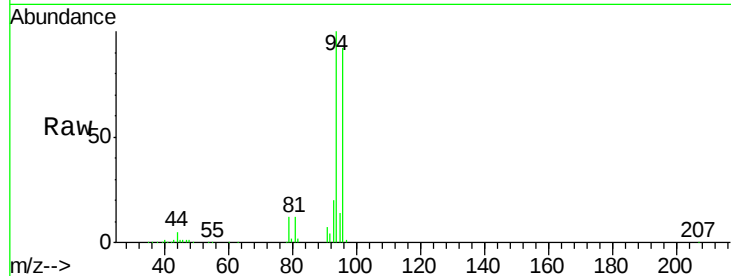
96 92.1 74.9 112.3

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#6

Chloroethane

Concen: 48.781 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.03 min

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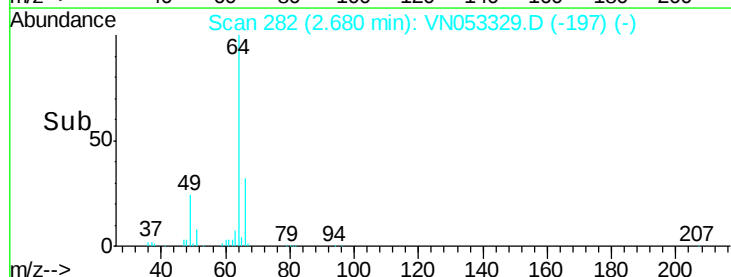
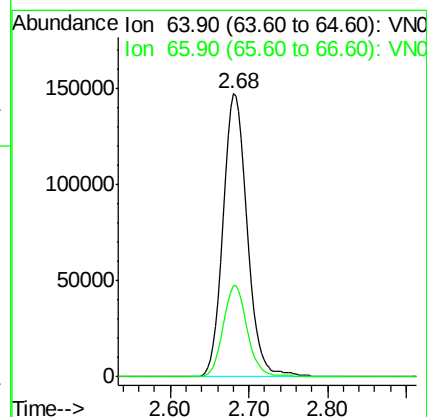
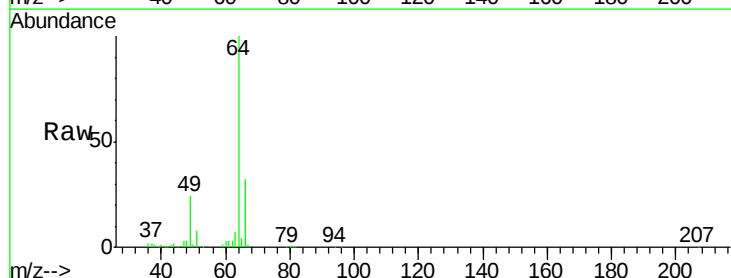
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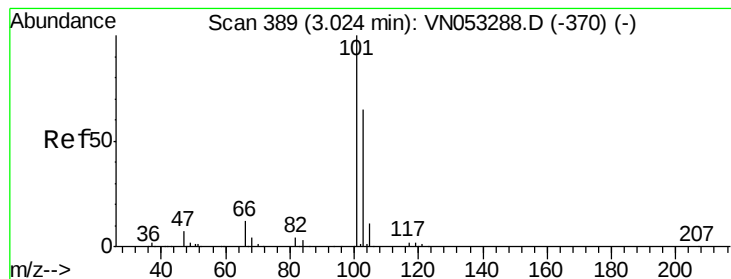
Tgt Ion: 64 Resp: 311348

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

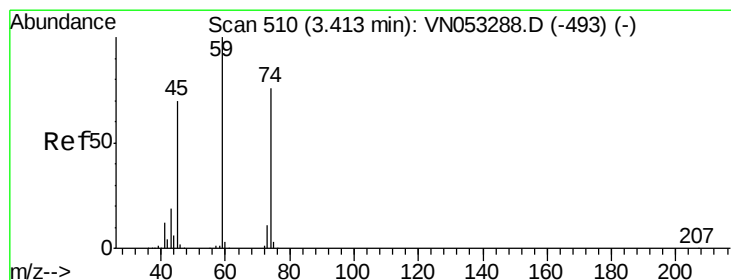
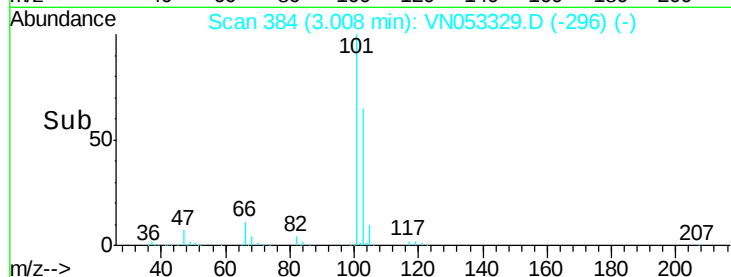
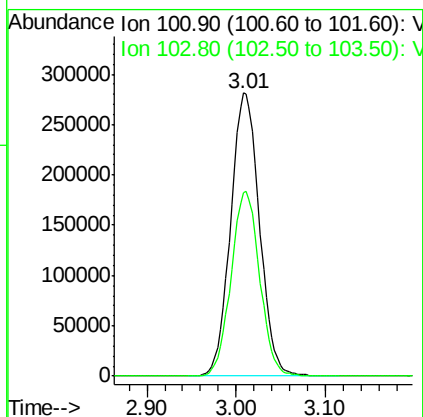
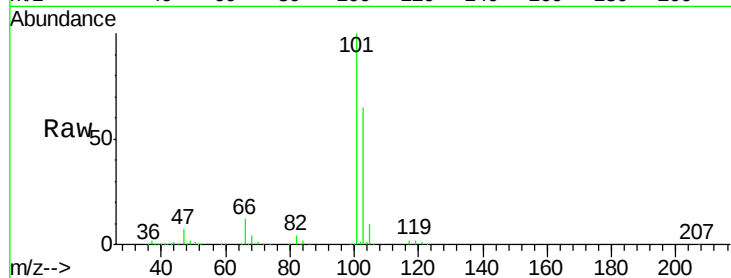
Trichlorofluoromethane
 Concen: 46.033 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VN053329.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

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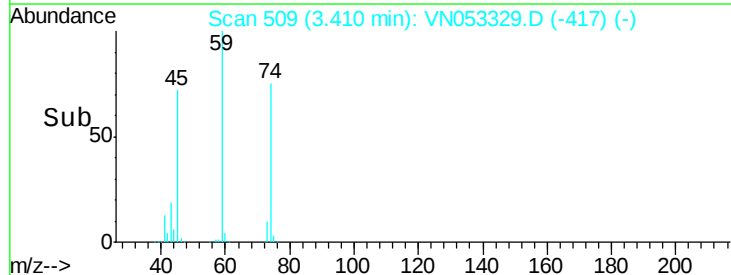
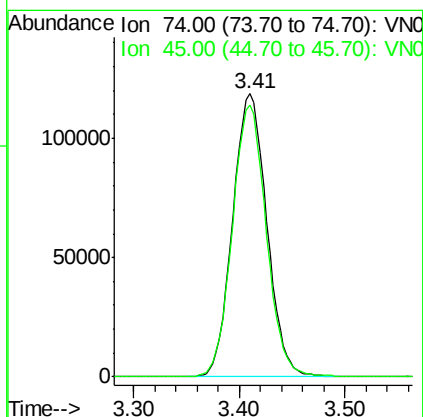
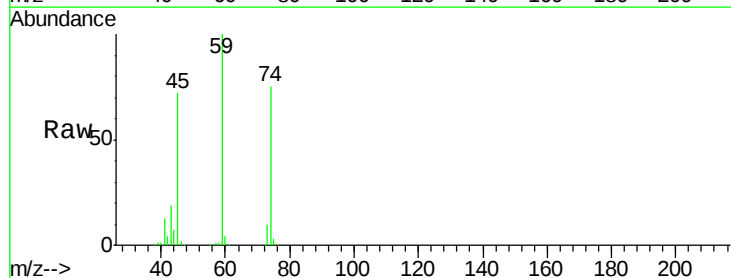
MMDadoda
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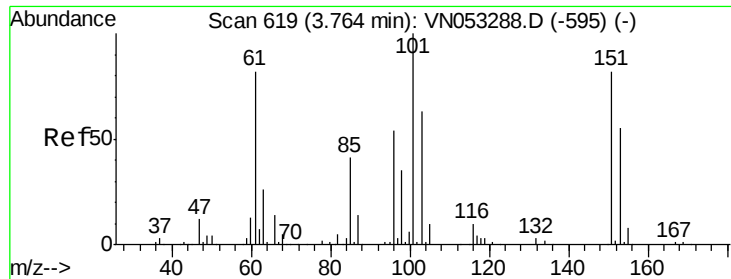


#8

Diethyl Ether
 Concen: 49.668 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.3	144.9





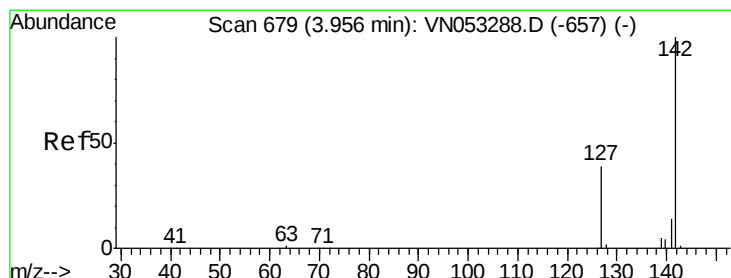
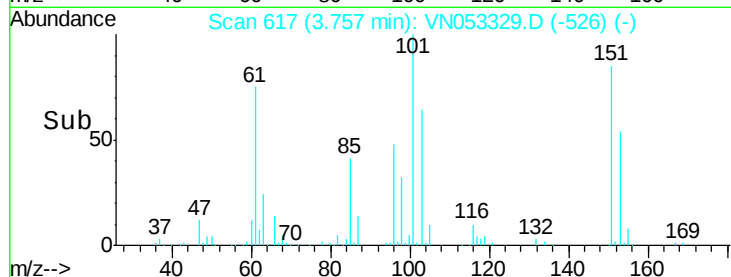
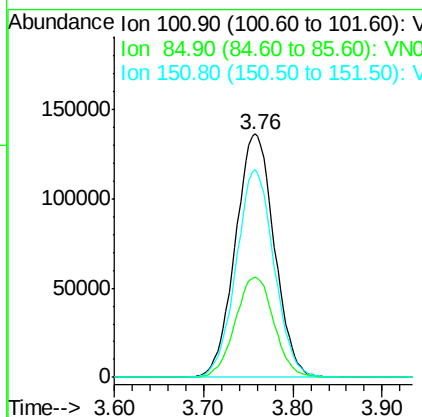
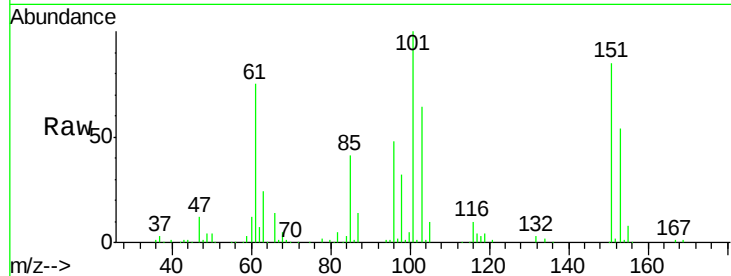
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.581 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.0	33.3	49.9
151	83.3	67.0	100.4

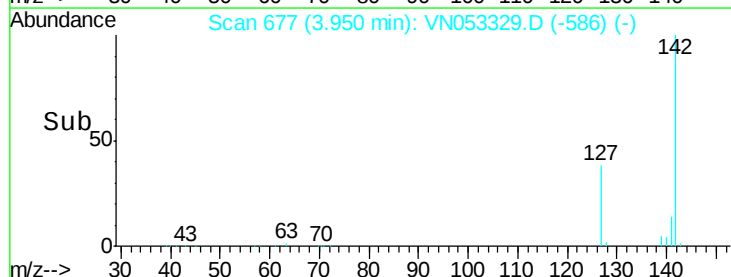
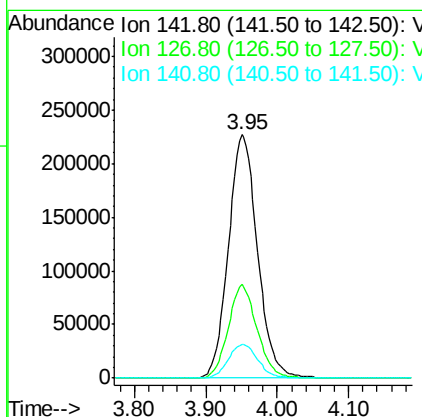
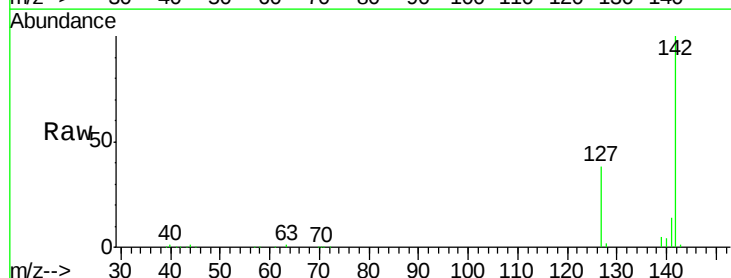
Manual Integrations
 APPROVED

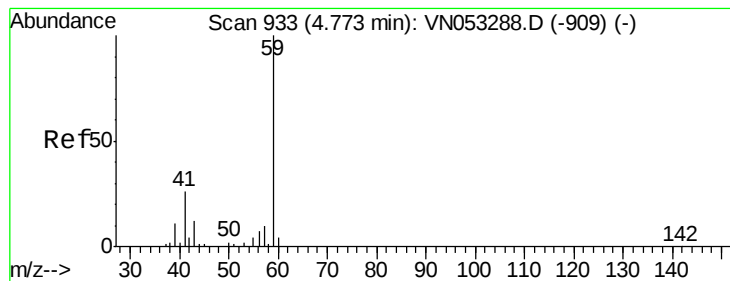
MMDadoda
 1/10/2019 9:25:31 AM



#10
 Methyl Iodide
 Concen: 52.973 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.0	30.9	46.3
141	14.1	11.2	16.8





#11

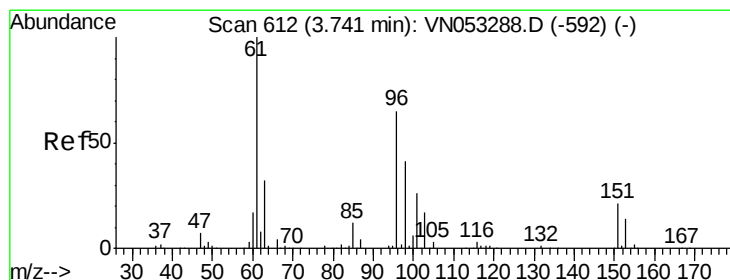
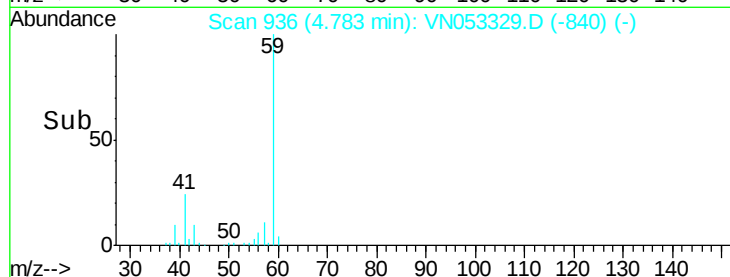
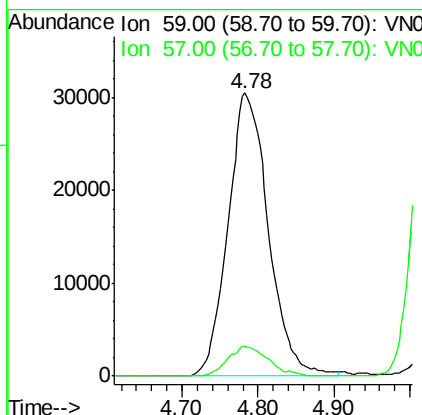
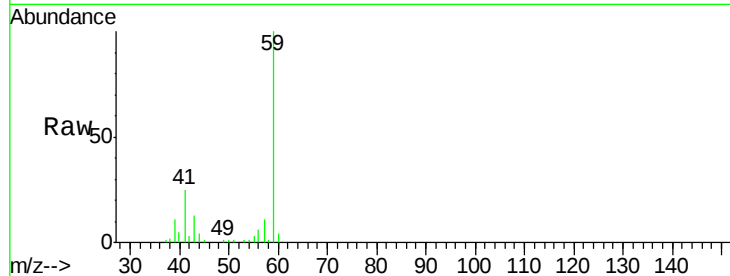
Tert butyl alcohol
Concen: 199.488 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
APPROVED

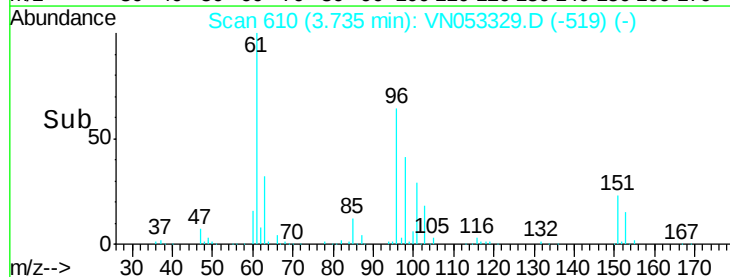
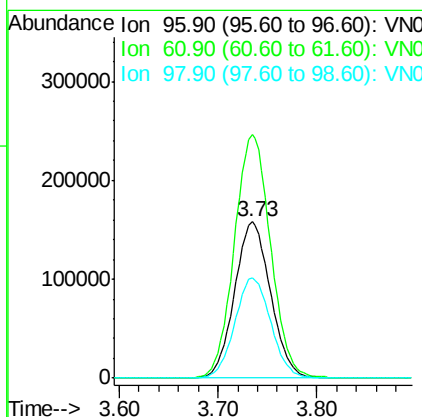
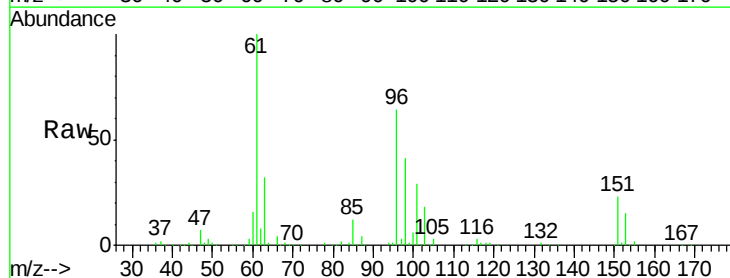
MMDadoda
1/10/2019 9:25:31 AM

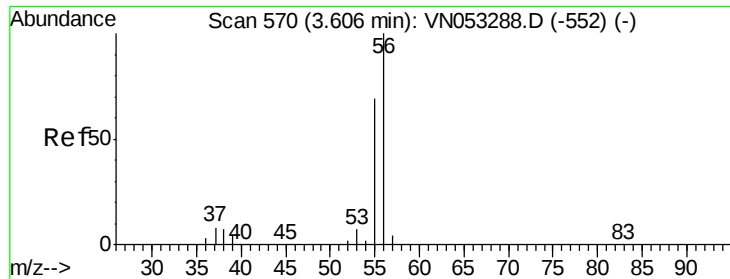


#12

1,1-Dichloroethene
Concen: 47.677 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	123.2	184.8
98	63.8	50.5	75.7





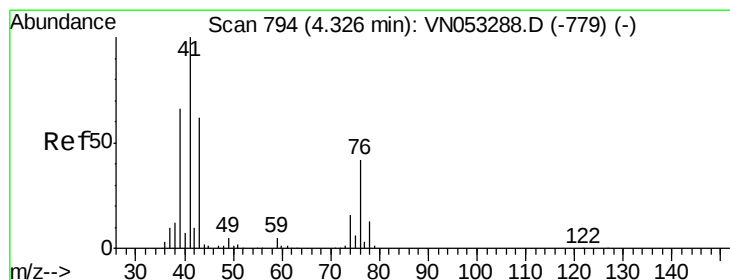
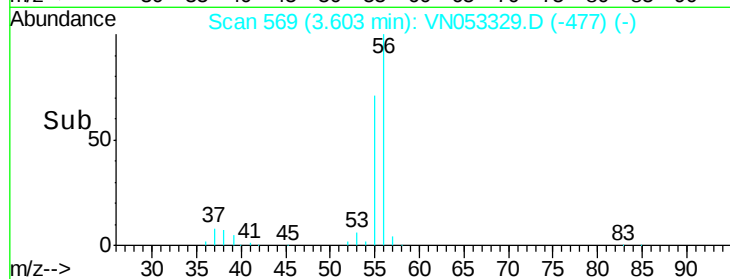
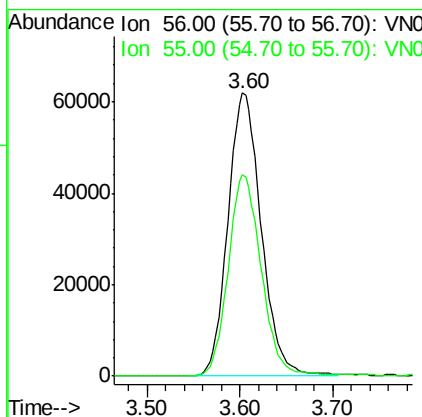
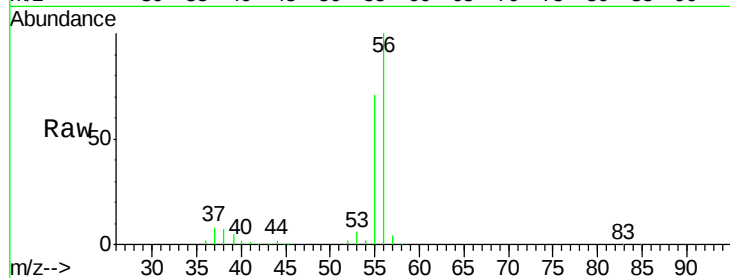
#13
Acrolein
Concen: 218.280 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Resp	Lower	Upper
154547	100	70.2		56.3	84.5

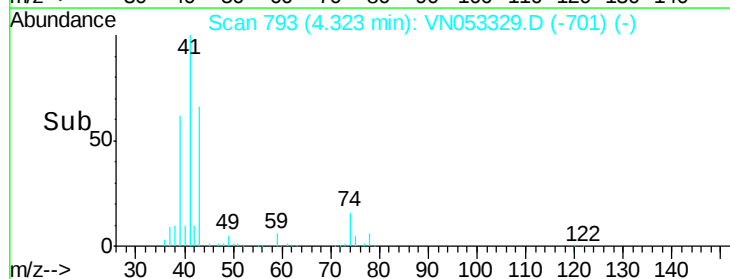
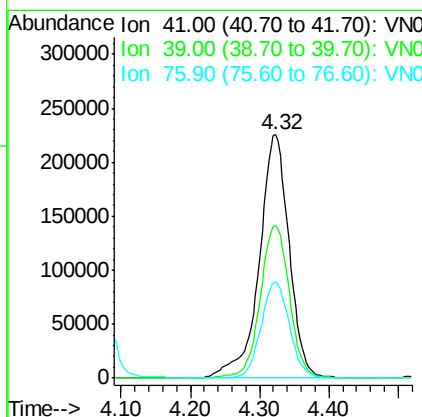
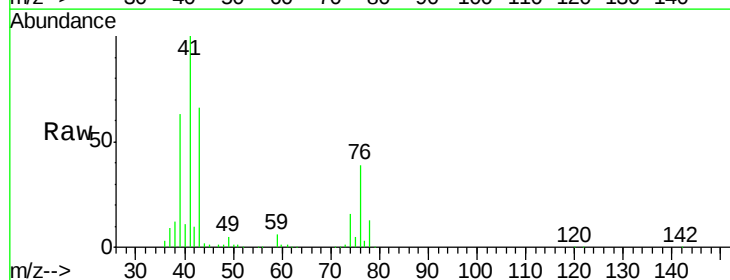
Manual Integrations
APPROVED

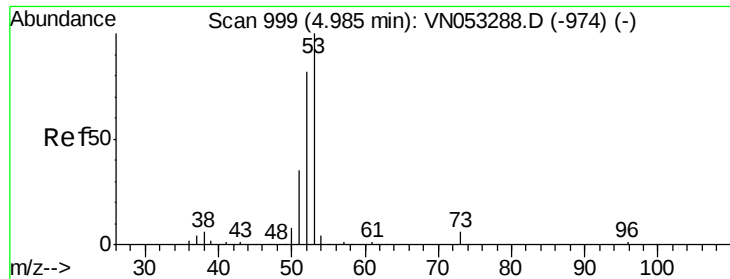
MMDadoda
1/10/2019 9:25:31 AM



#14
Allyl chloride
Concen: 49.918 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	41	39	76	Resp	Lower	Upper
675553	100	61.4	36.9		51.9	77.9
					31.2	46.8





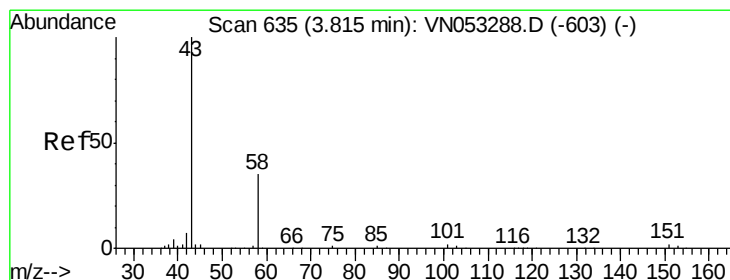
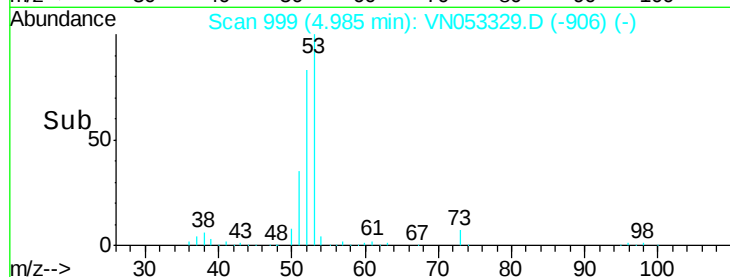
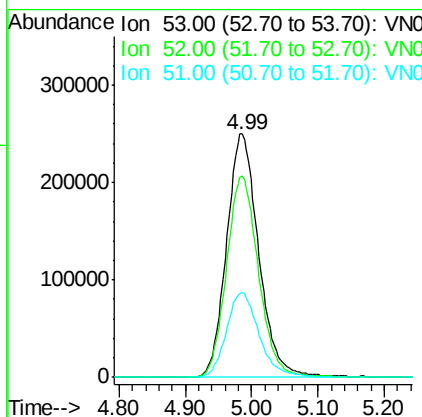
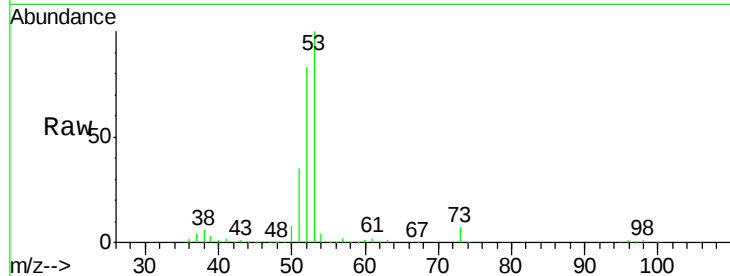
#15
 Acrylonitrile
 Concen: 249.756 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	35.7	28.0	42.0

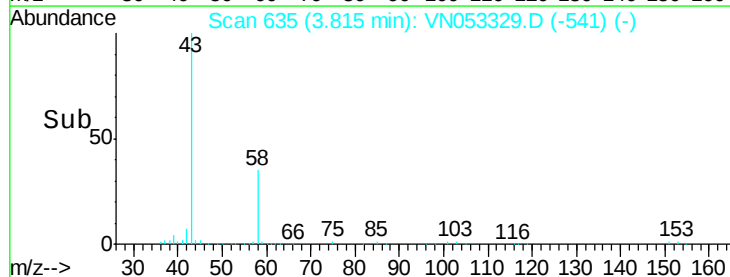
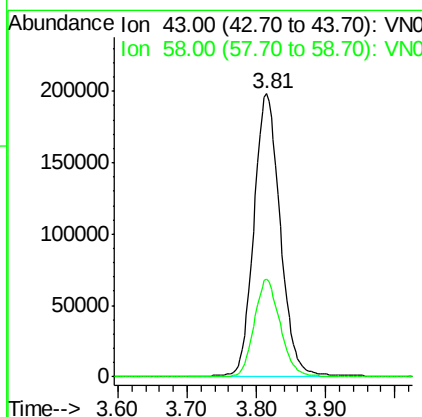
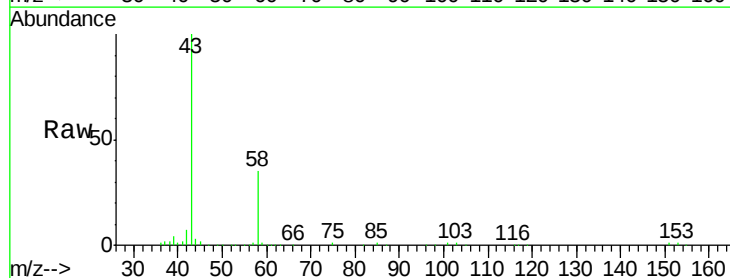
Manual Integrations
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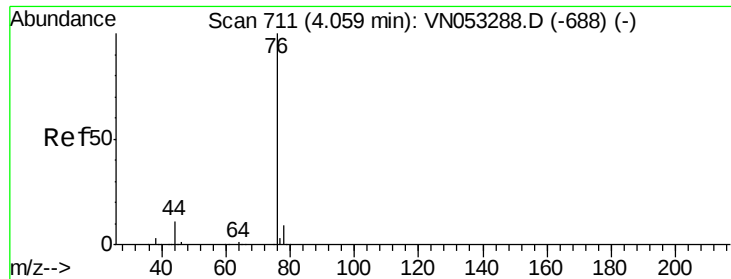
MMDadoda
 1/10/2019 9:25:31 AM



#16
 Acetone
 Concen: 232.676 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.6





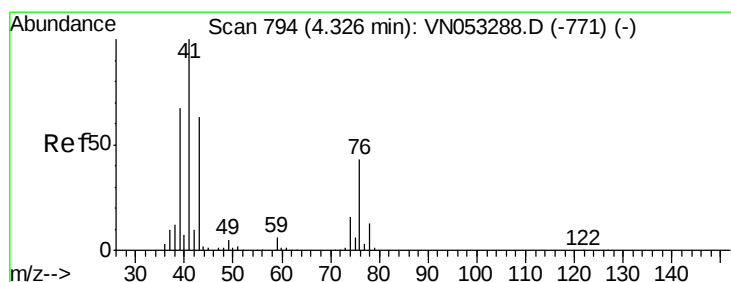
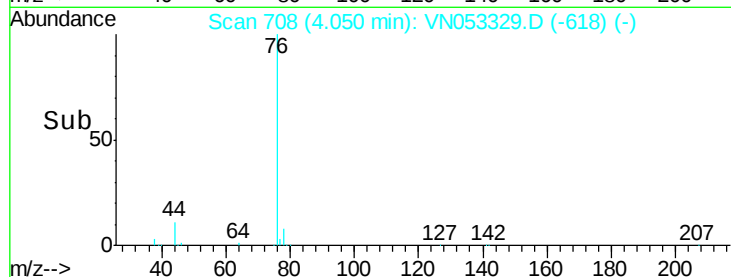
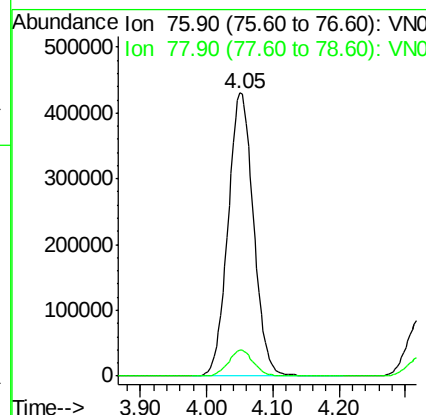
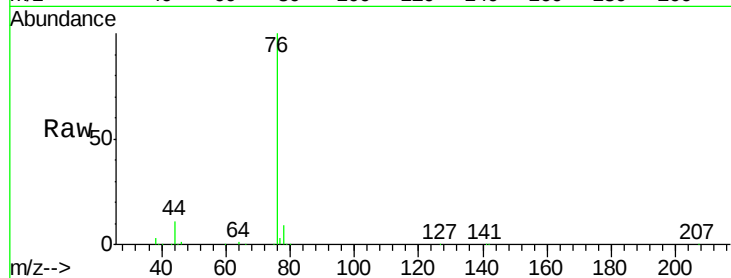
#17
Carbon Disulfide
Concen: 44.329 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1147526
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

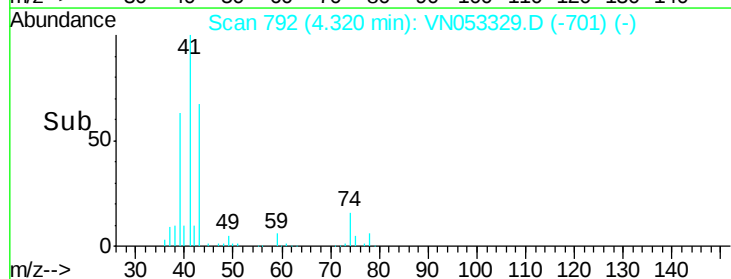
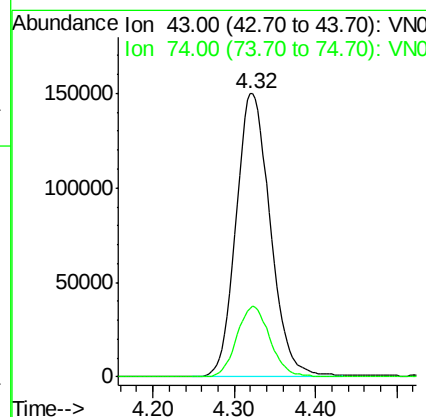
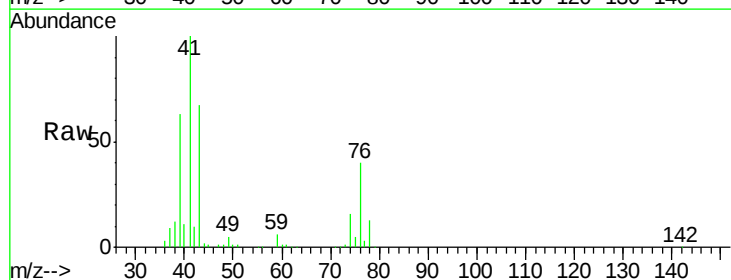
Manual Integrations
APPROVED

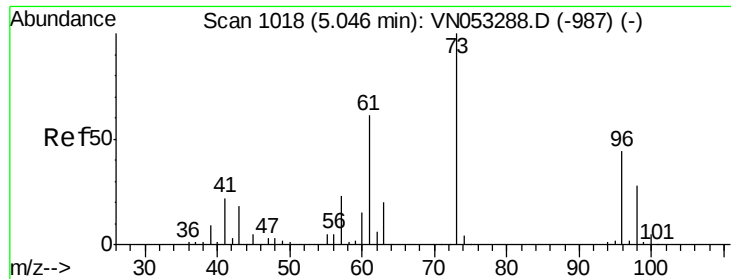
MMDadoda
1/10/2019 9:25:31 AM



#18
Methyl Acetate
Concen: 51.366 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 43 Resp: 435232
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8





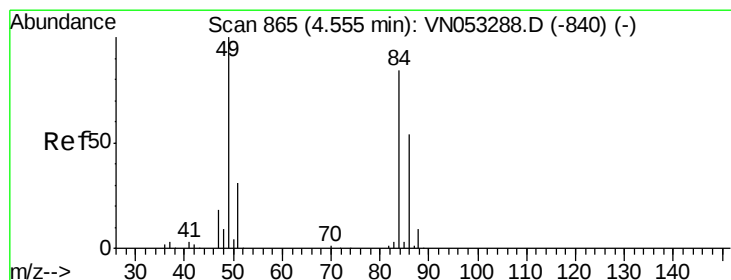
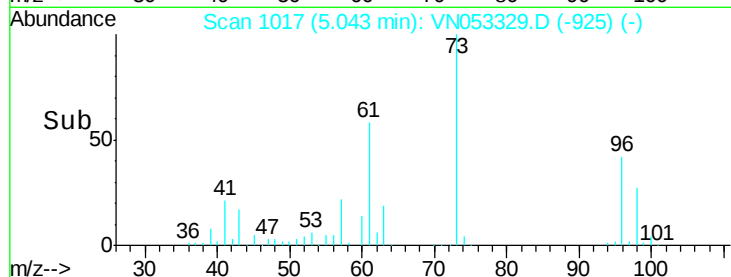
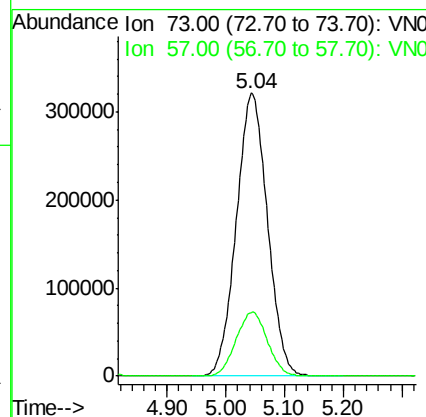
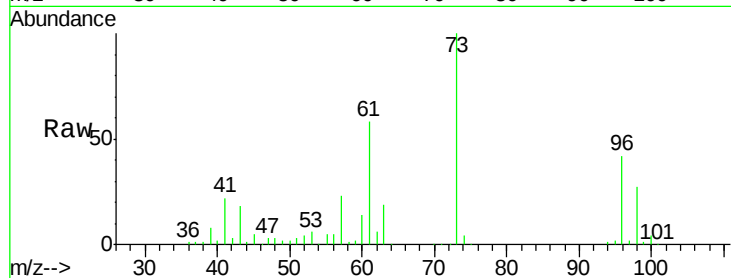
#19
Methvl tert-butvl Ether
Concen: 50.388 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1187421
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7

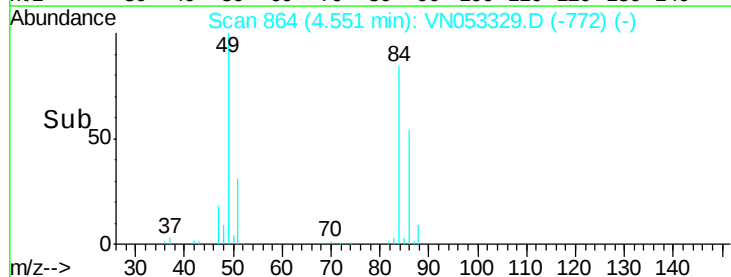
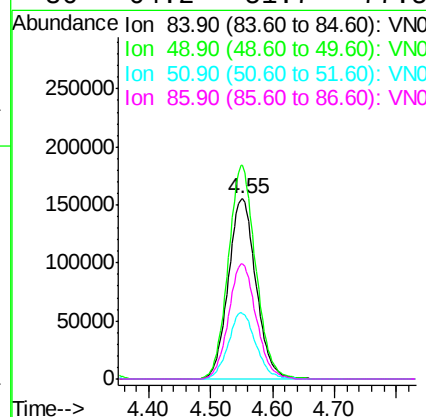
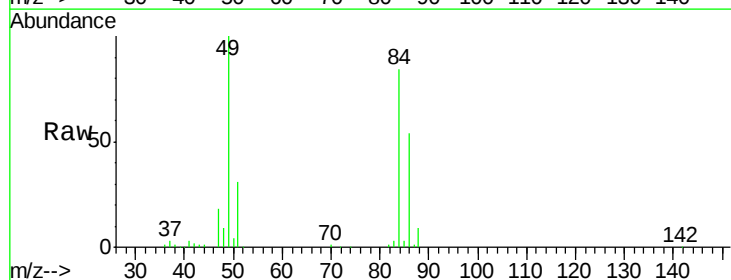
Manual Integrations
APPROVED

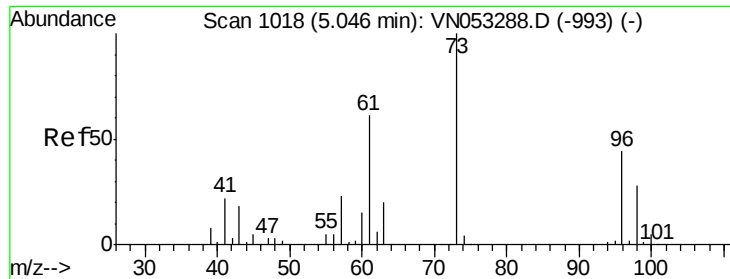
MMDadoda
1/10/2019 9:25:31 AM



#20
Methylene Chloride
Concen: 48.032 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 84 Resp: 482979
Ion Ratio Lower Upper
84 100
49 118.6 95.3 142.9
51 36.5 29.0 43.6
86 64.2 51.7 77.5





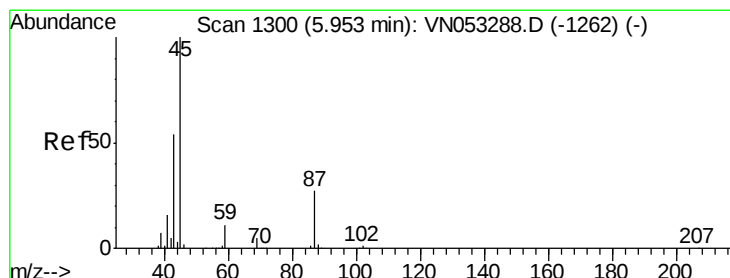
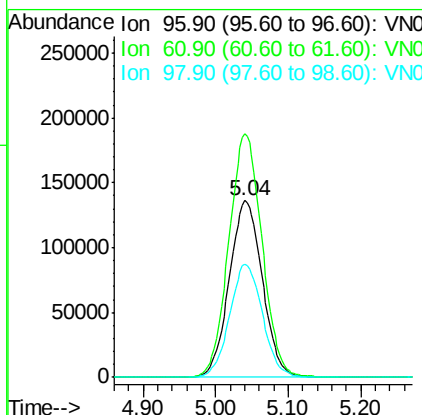
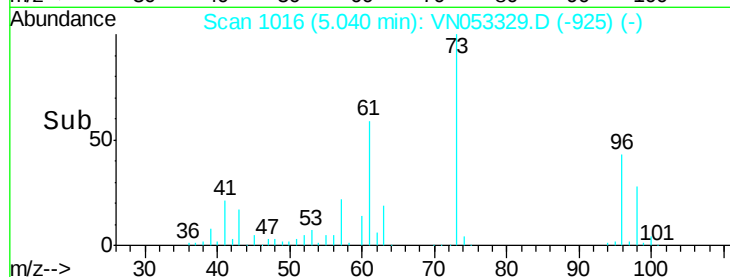
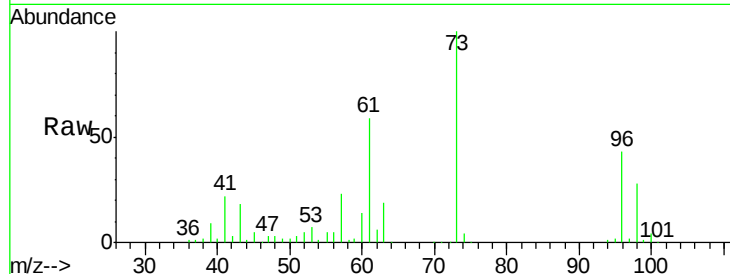
#21
trans-1,2-Dichloroethene
Concen: 48.017 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	110.2	165.4
98	64.3	50.7	76.1

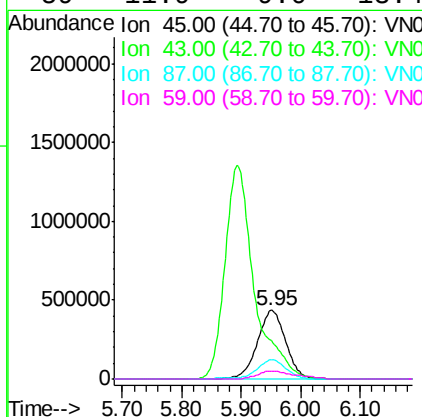
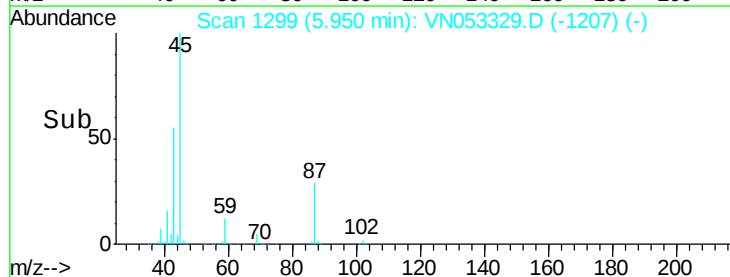
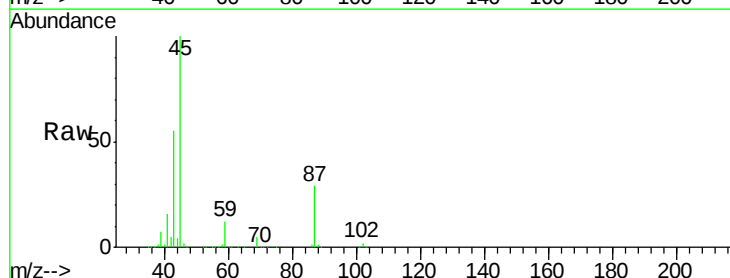
Manual Integrations
APPROVED

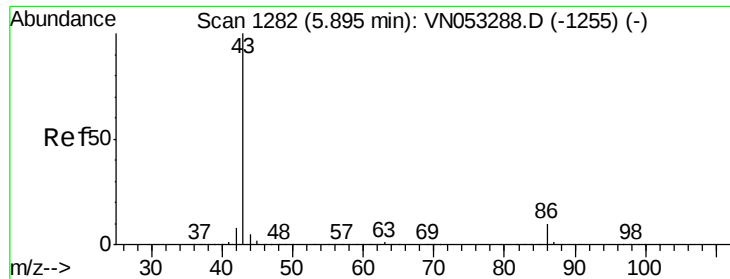
MMDadoda
1/10/2019 9:25:31 AM



#22
Diisopropyl ether
Concen: 50.198 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	43.0	64.6
87	28.6	22.1	33.1
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 252.849 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4638328

Ion Ratio Lower Upper

43 100

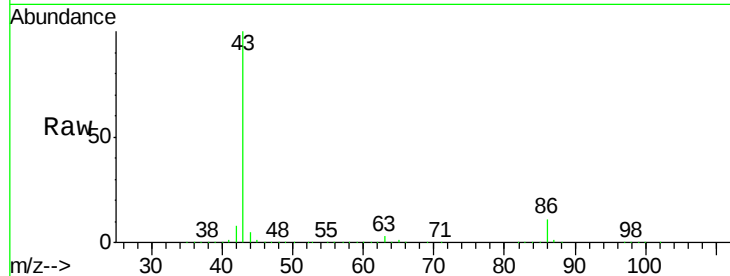
86 10.6 8.4 12.6

Manual Integrations

APPROVED

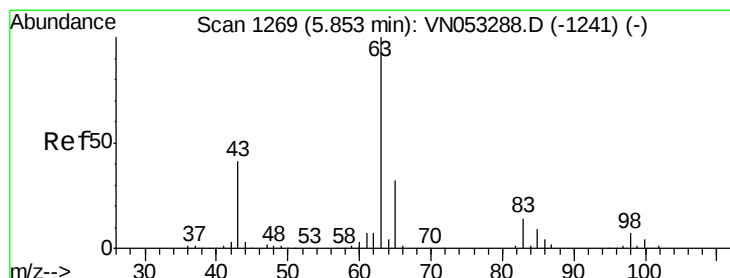
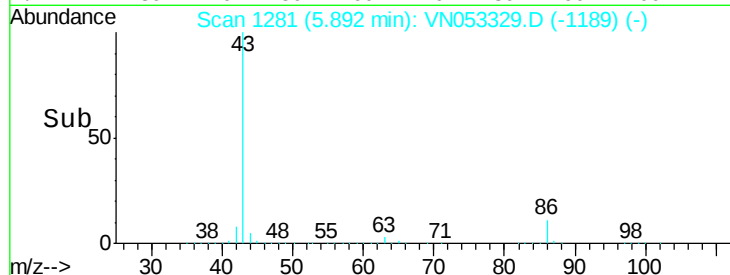
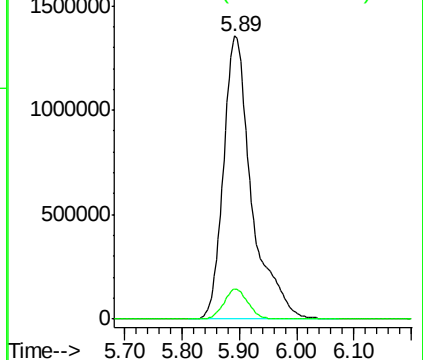
MMDadoda

1/10/2019 9:25:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.154 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

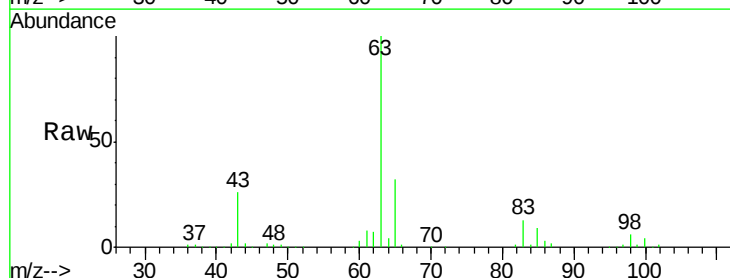
Tgt Ion: 63 Resp: 826516

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

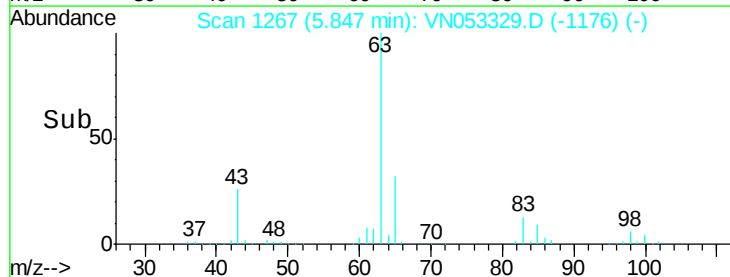
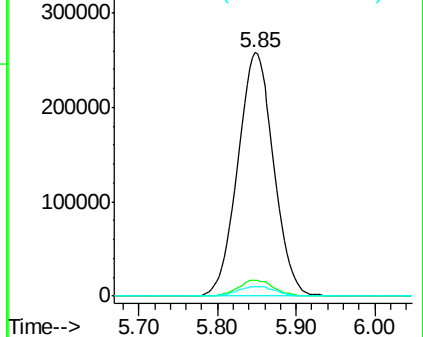
100 4.0 2.1 6.5

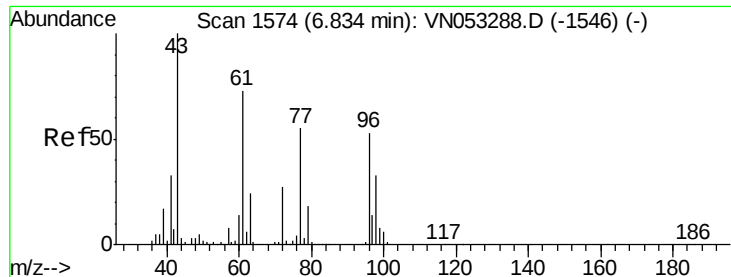


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 237.435 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 911977

Ion Ratio Lower Upper

43 100

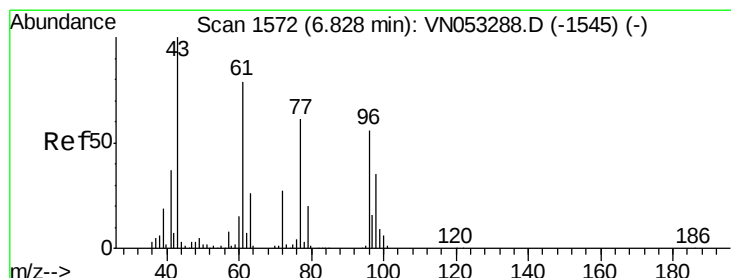
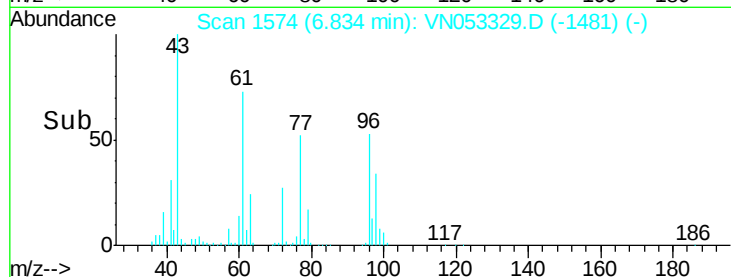
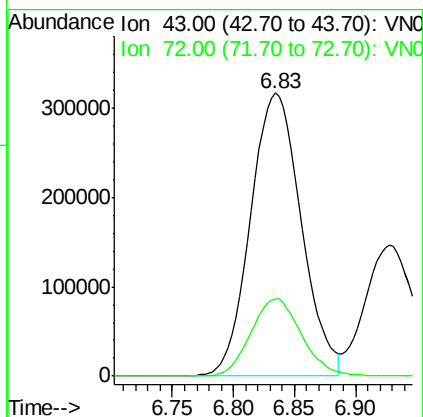
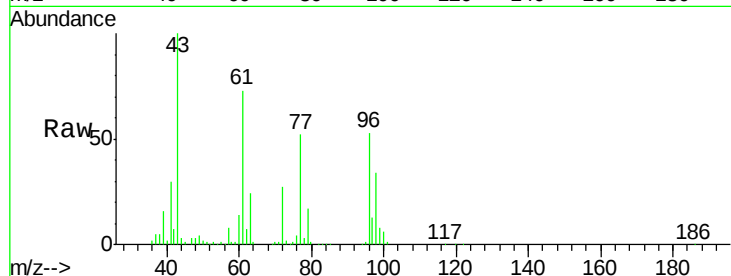
72 27.5 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.166 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053329.D

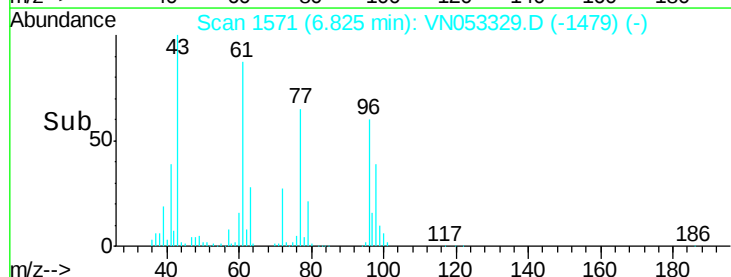
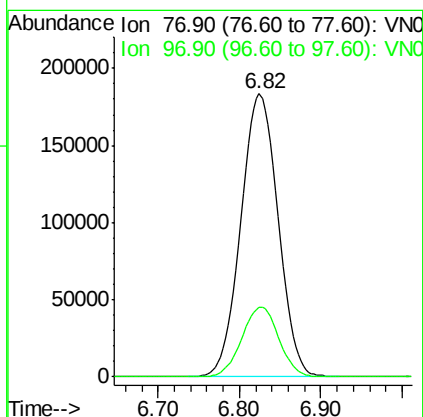
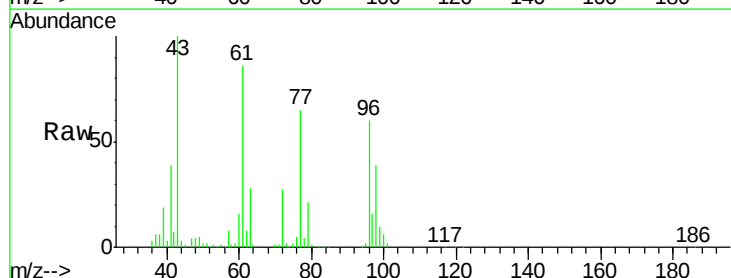
Acq: 9 Jan 2019 19:19

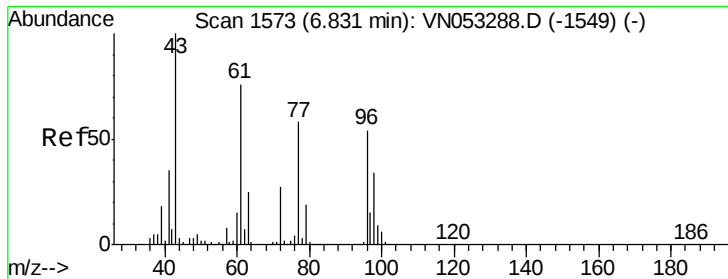
Tgt Ion: 77 Resp: 579735

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.032 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

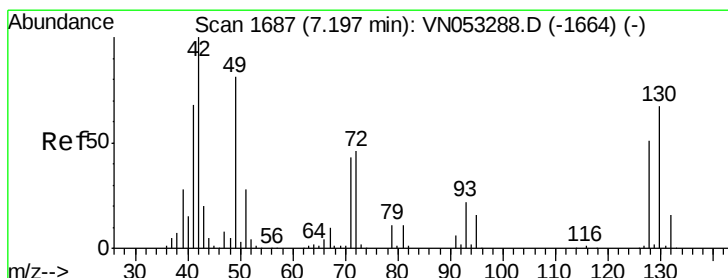
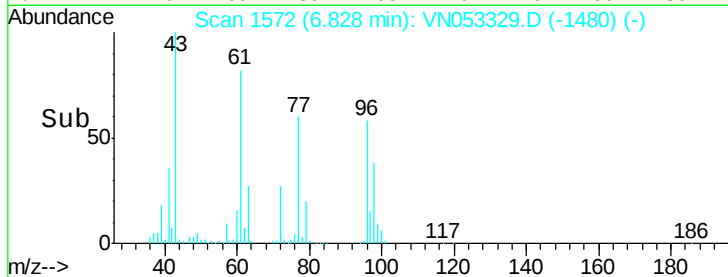
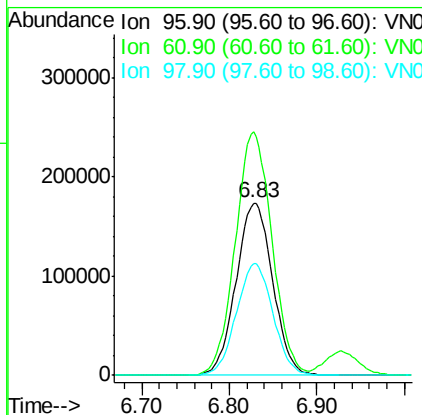
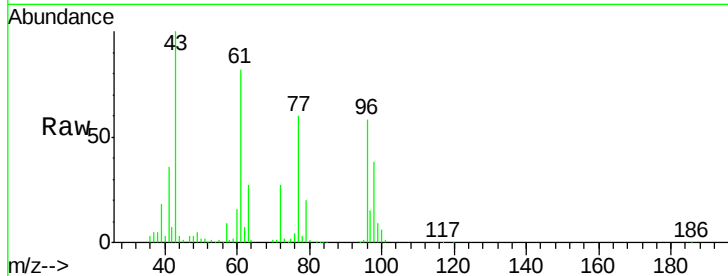
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	504813
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	280.6
98	64.8	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.874 ug/l

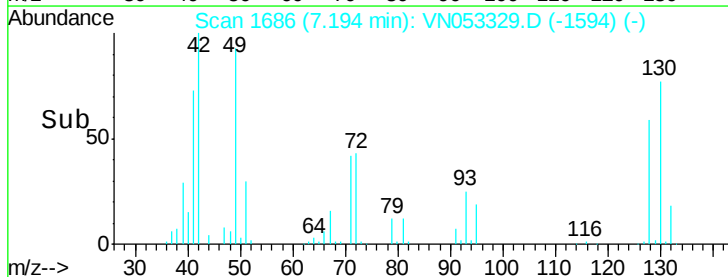
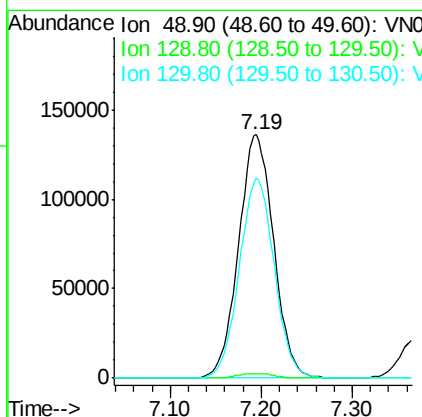
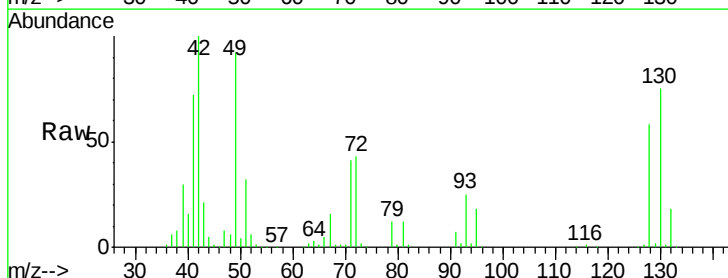
RT: 7.19 min Scan# 1686

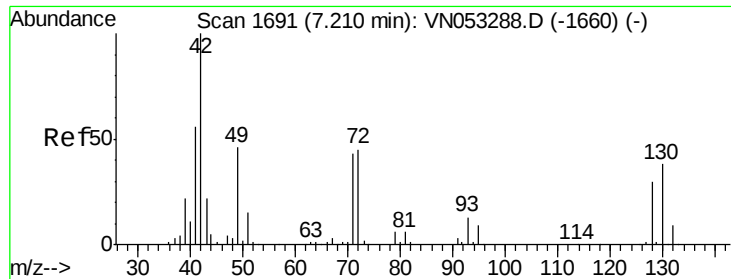
Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion:	49	Resp:	364533
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.0	65.4	98.0





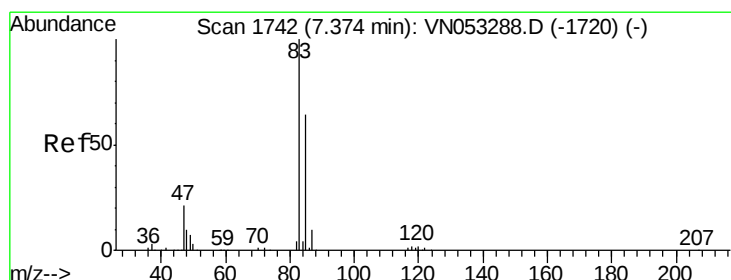
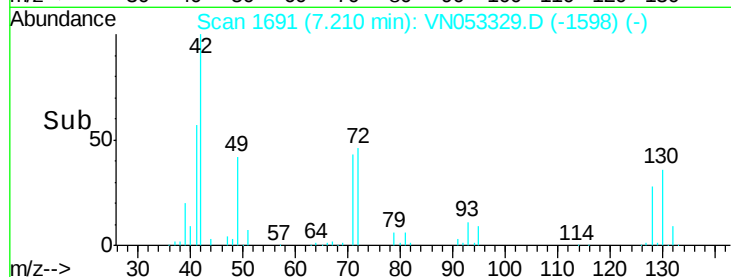
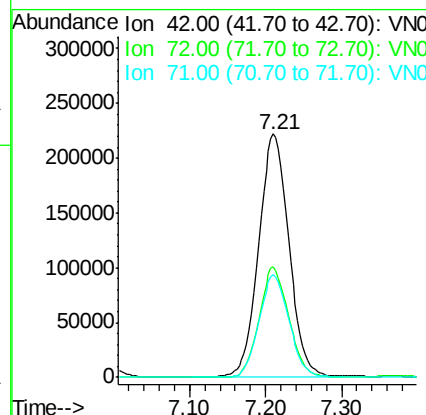
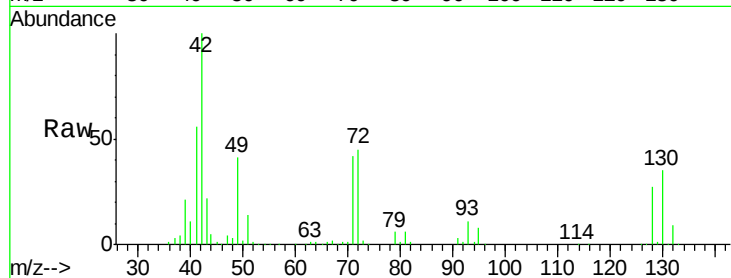
#29
Tetrahydrofuran
Concen: 242.911 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.6	53.4
71	41.8	33.8	50.8

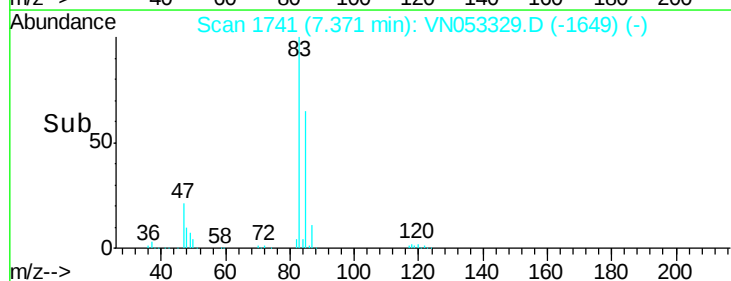
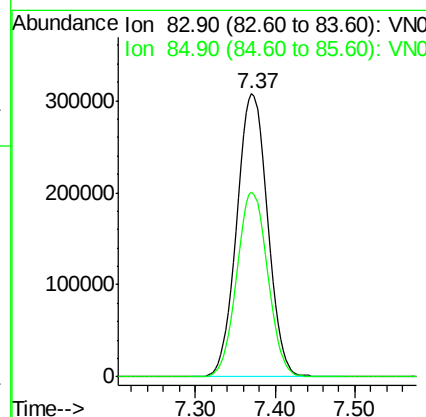
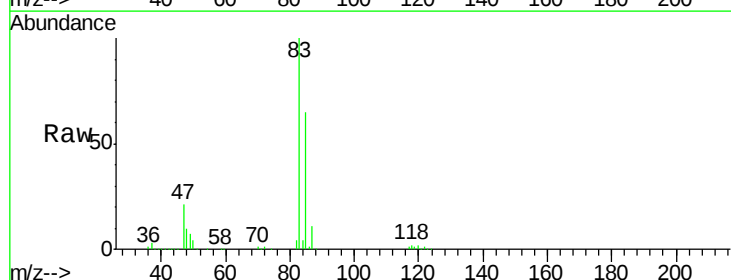
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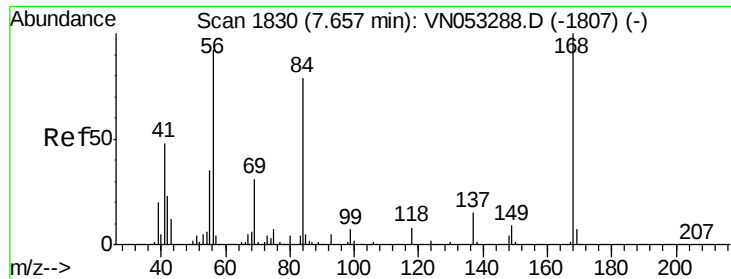
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#30
Chloroform
Concen: 48.448 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9





#31

Cyclohexane

Concen: 47.972 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

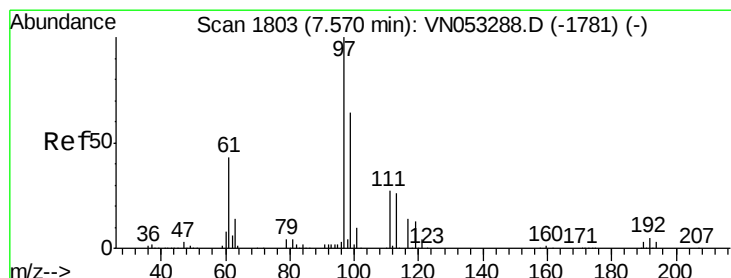
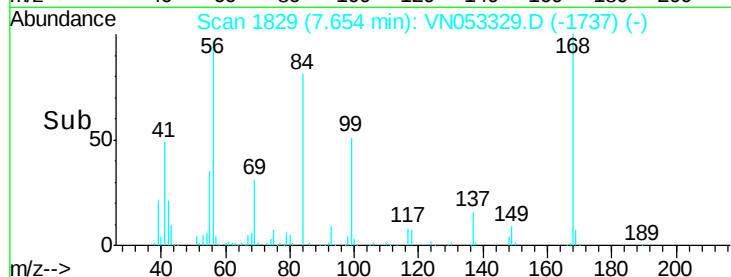
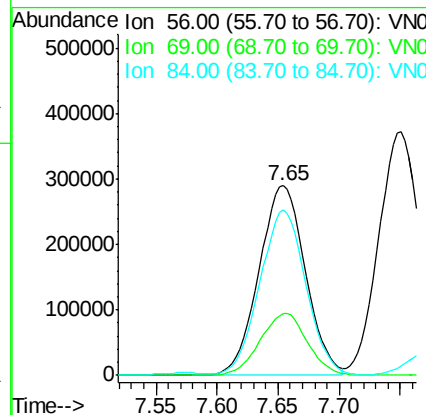
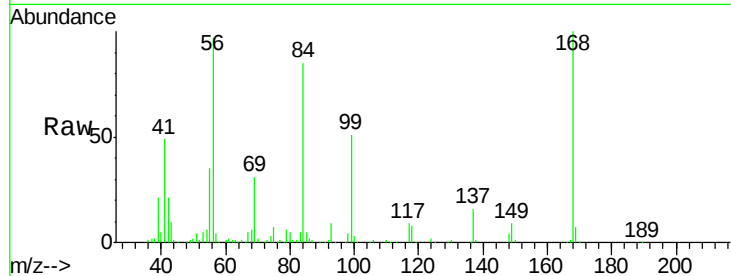
VSTDCCC050EC

Tot Ion: 56 Resp: 766660

Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.7	40.1
84	86.3	68.2	102.4

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#32

1,1,1-Trichloroethane

Concen: 49.060 ug/l

RT: 7.57 min Scan# 1803

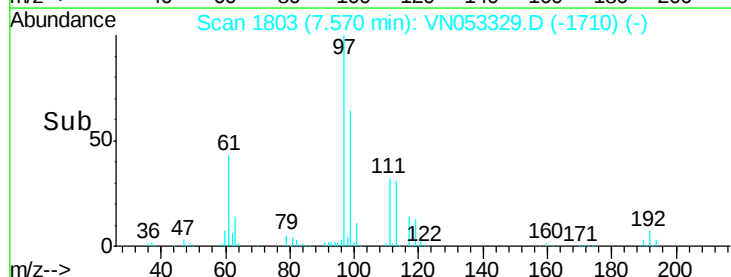
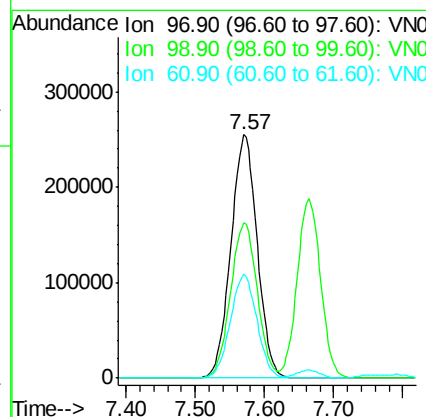
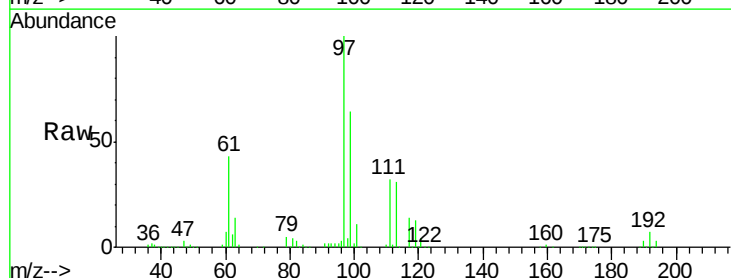
Delta R.T. 0.00 min

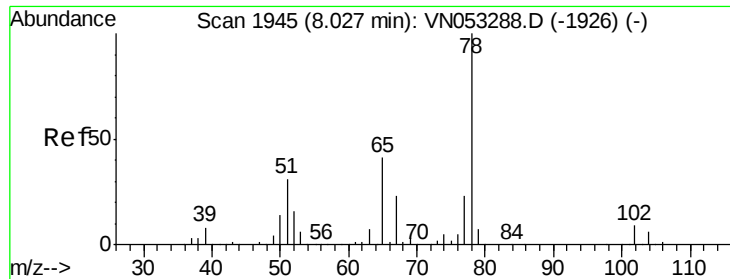
Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion: 97 Resp: 676602

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	43.0	34.6	52.0





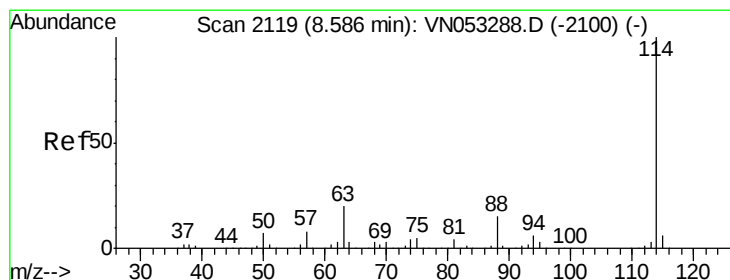
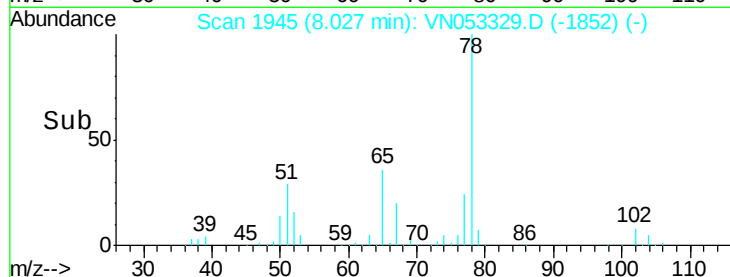
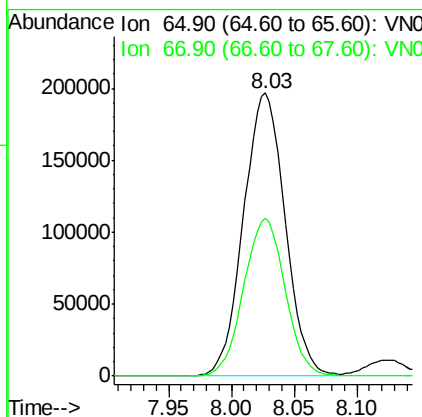
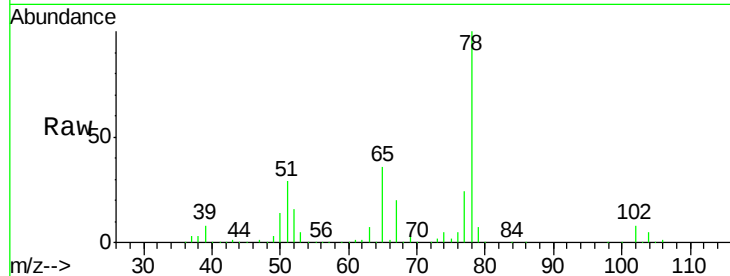
#33
 1,2-Dichloroethane-d4
 Concen: 49.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 454666
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0

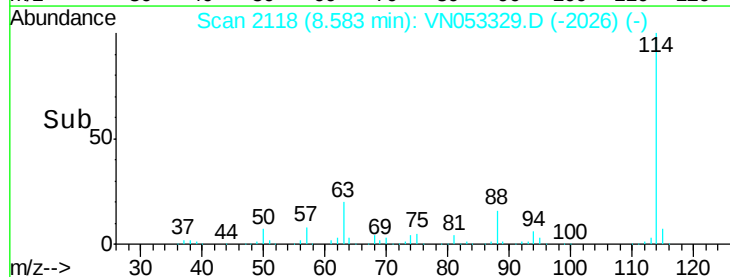
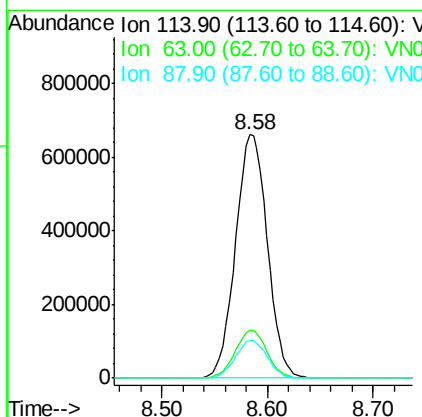
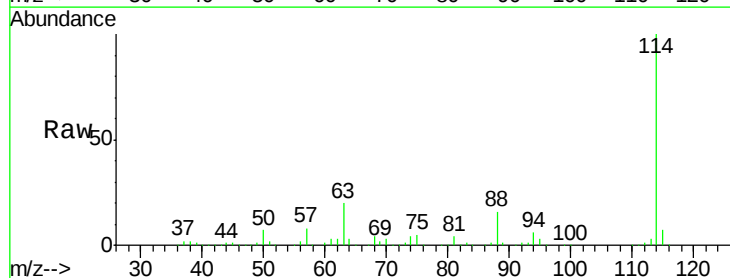
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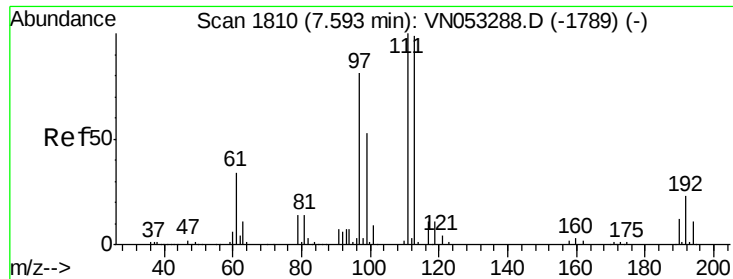
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 114 Resp: 1383559
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.5 0.0 30.8





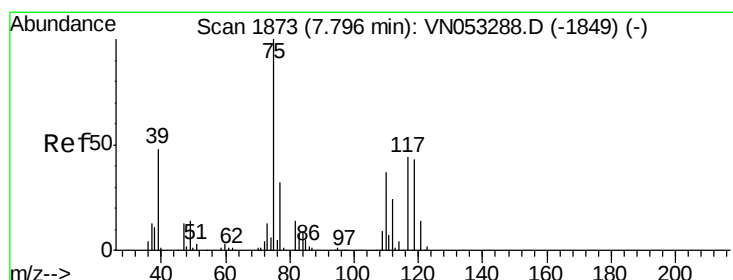
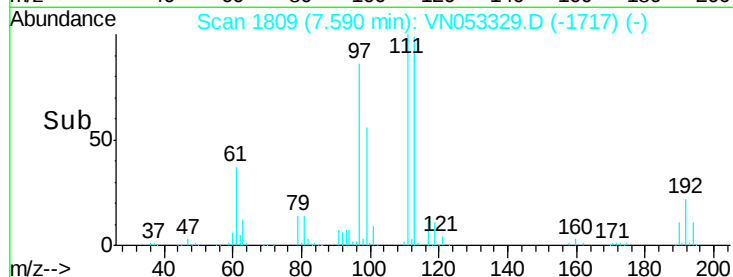
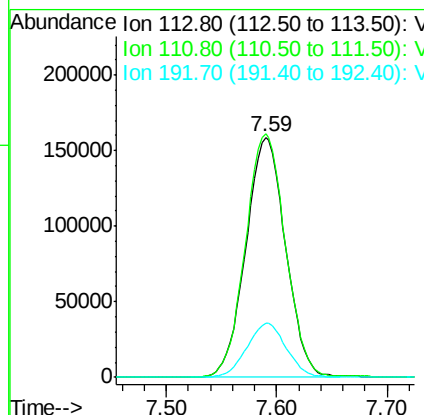
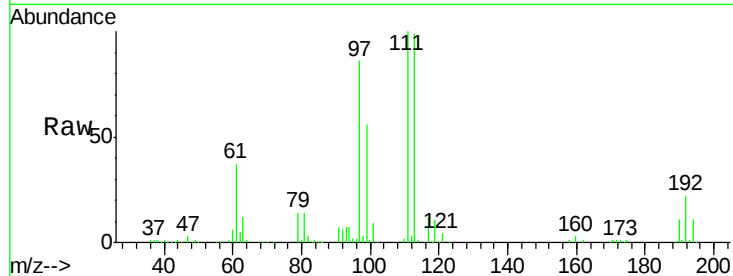
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	395862		
111	102.3	81.4	122.2	
192	22.5	17.9	26.9	

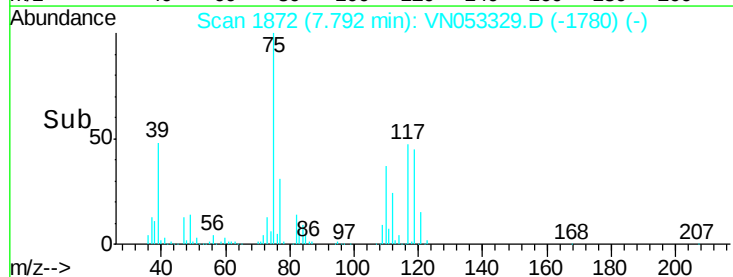
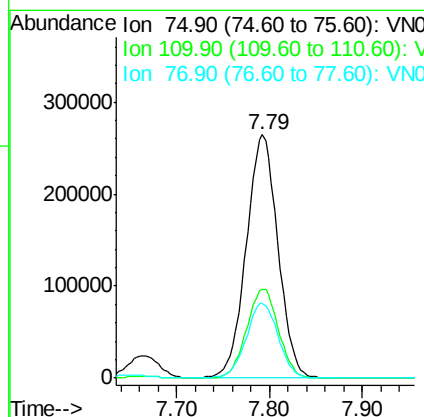
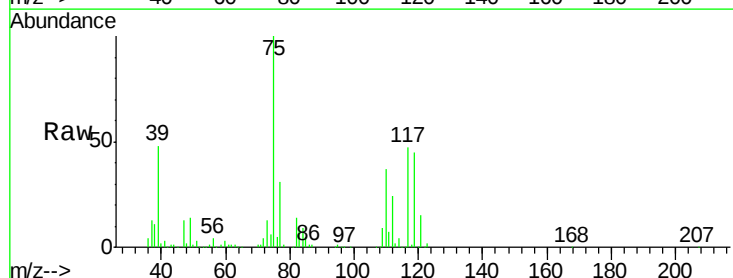
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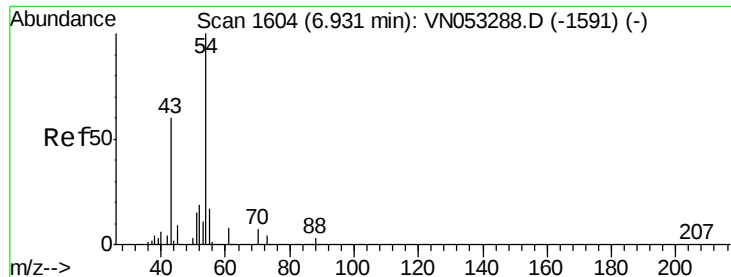
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#36
 1,1-Dichloropropene
 Concen: 48.403 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	625195		
110	36.8	18.4	55.0	
77	31.2	25.3	37.9	





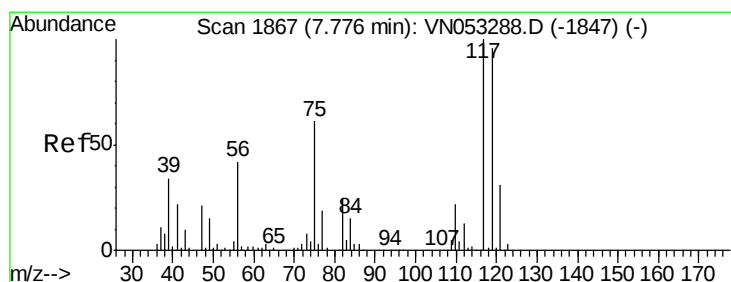
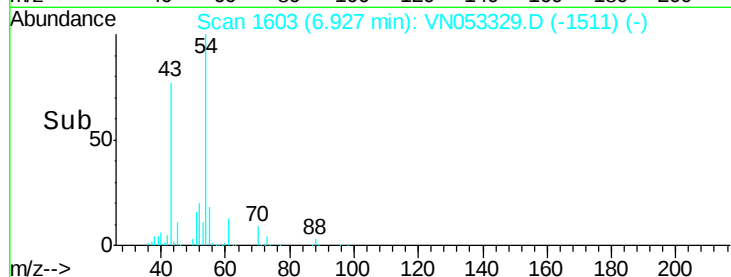
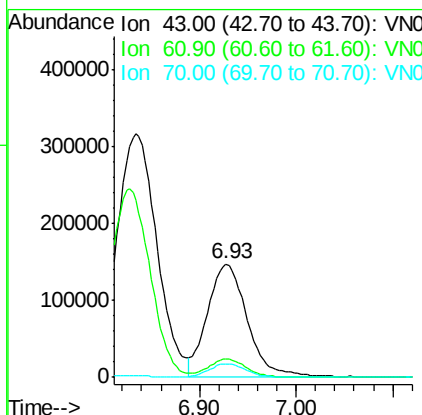
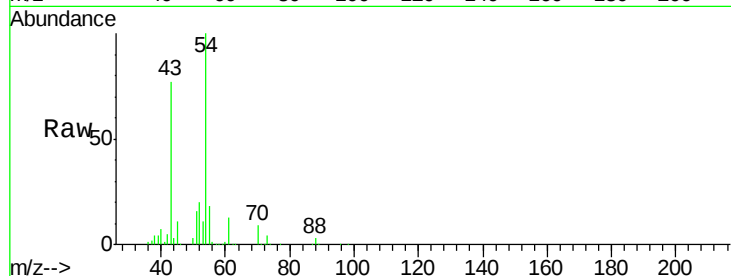
#37
Ethyl Acetate
Concen: 49.351 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.9	17.9
70	11.2	8.6	13.0

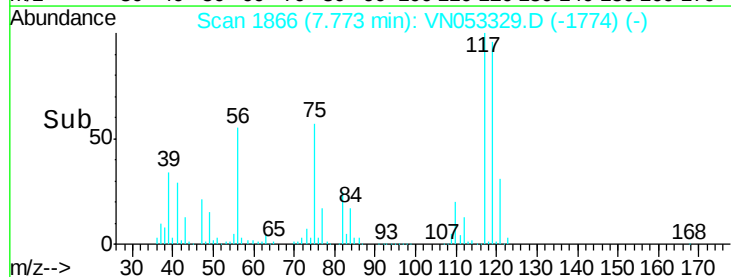
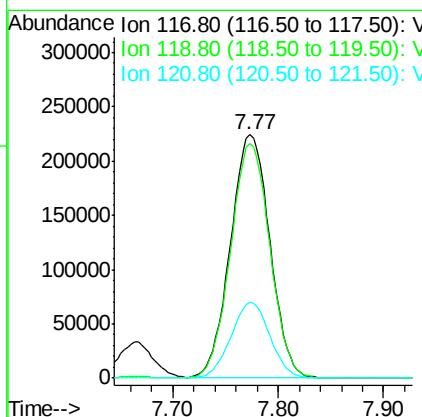
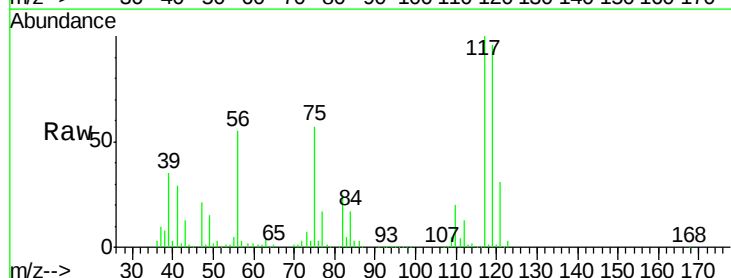
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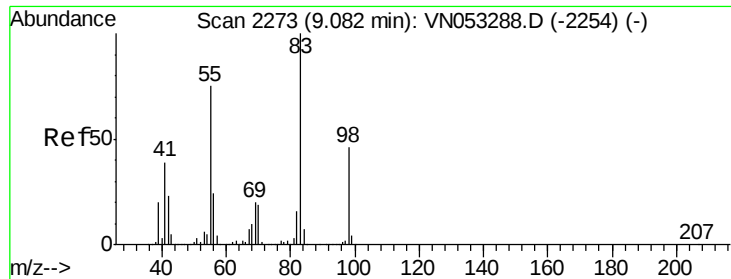
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#38
Carbon Tetrachloride
Concen: 48.694 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	115.0
121	31.0	25.0	37.4





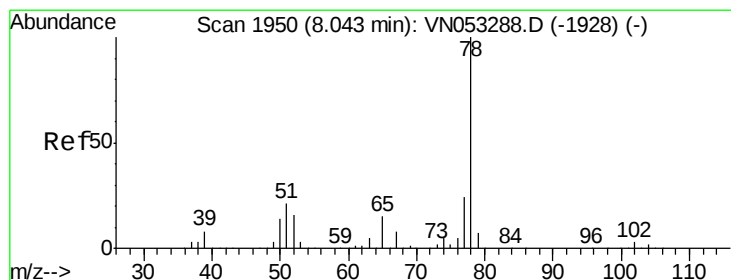
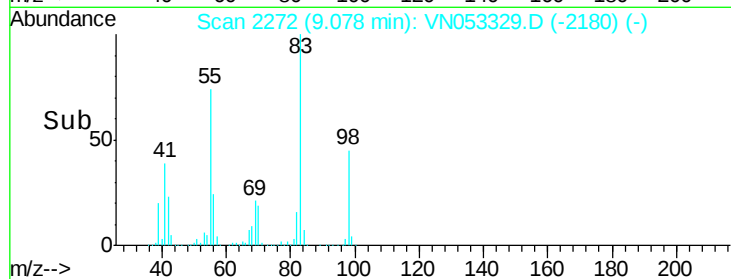
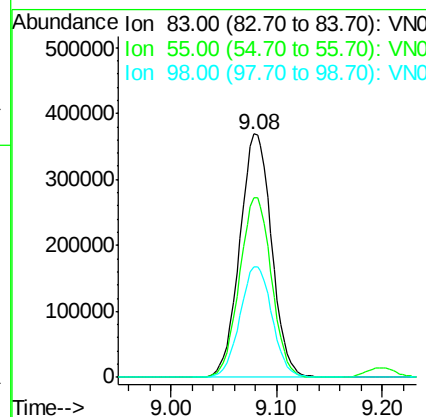
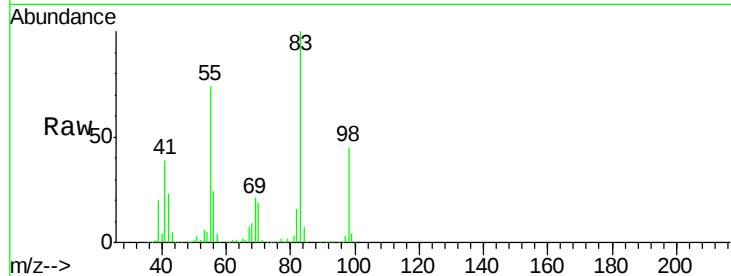
#39
Methvlcvclohexane
Concen: 51.672 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	60.1	90.1
98	45.5	36.7	55.1

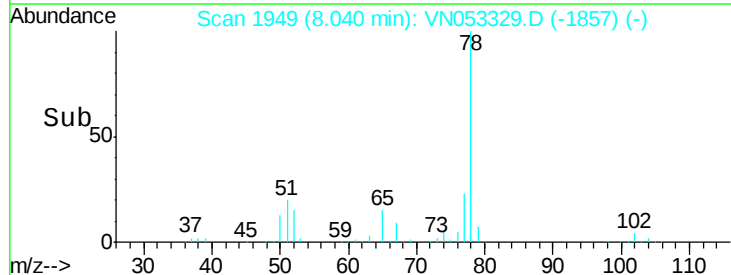
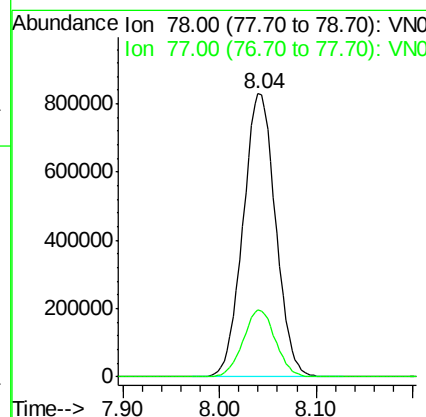
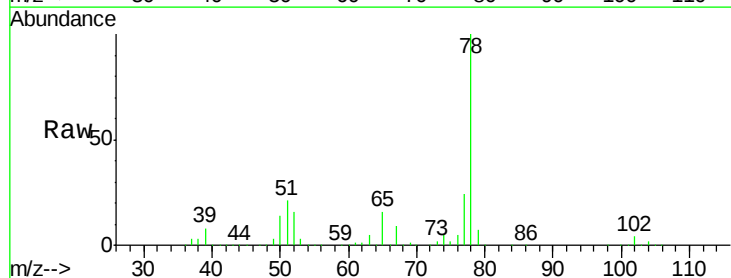
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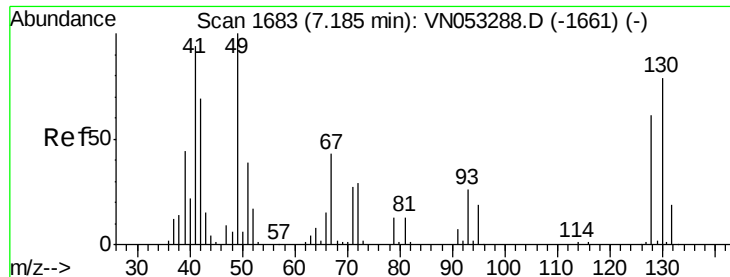
MMDadoda
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#40
Benzene
Concen: 49.220 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





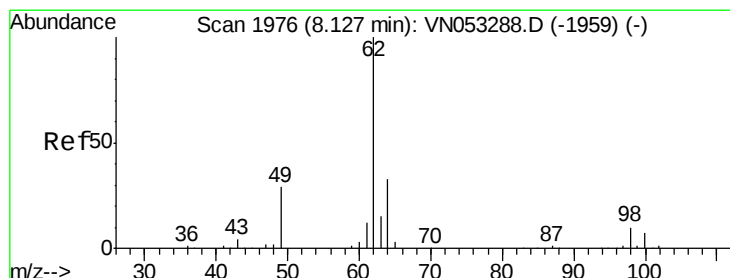
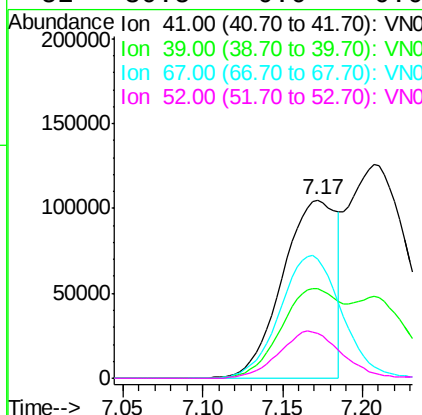
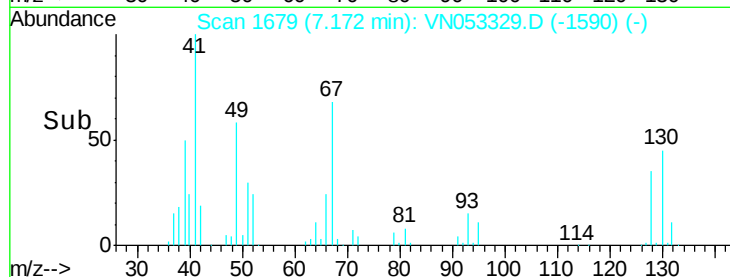
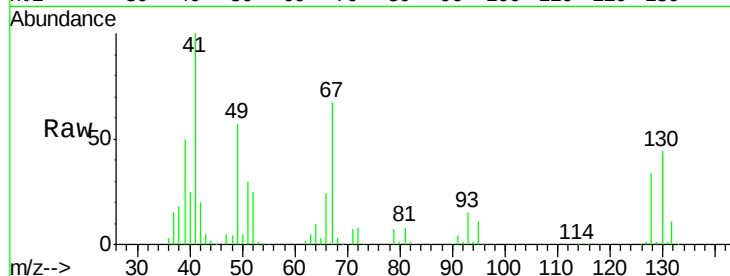
#41
Methacrylonitrile
Concen: 47.324 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.4	0.0	0.0#
67	79.1	0.0	0.0#
52	30.5	0.0	0.0#

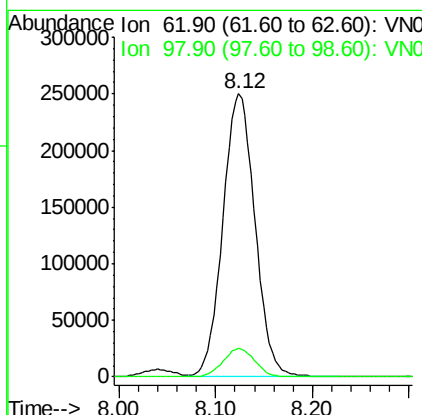
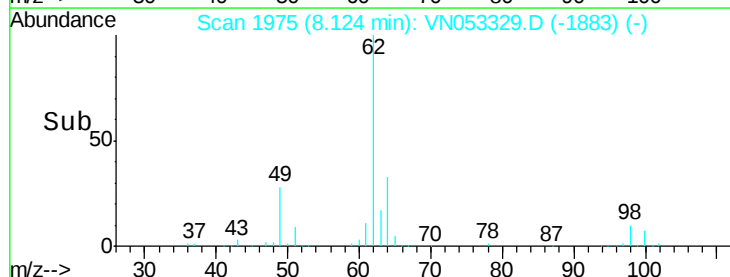
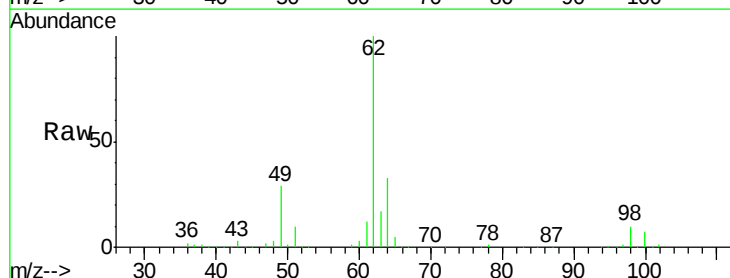
Manual Integrations
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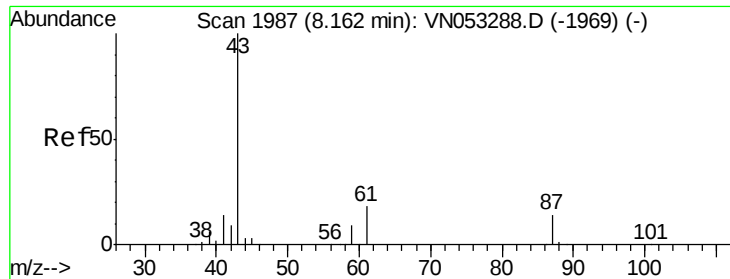
MMDadoda
1/10/2019 9:25:31 AM



#42
1,2-Dichloroethane
Concen: 49.118 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 47.295 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

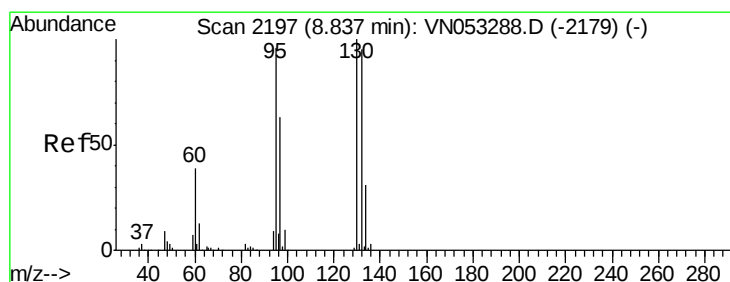
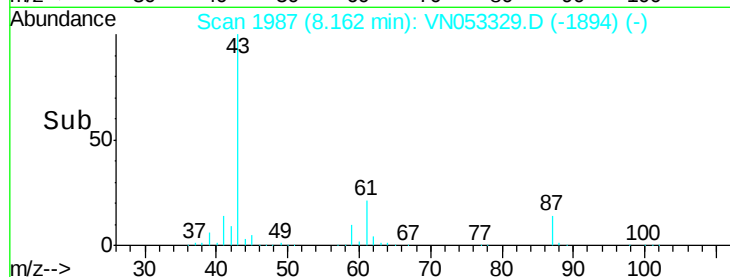
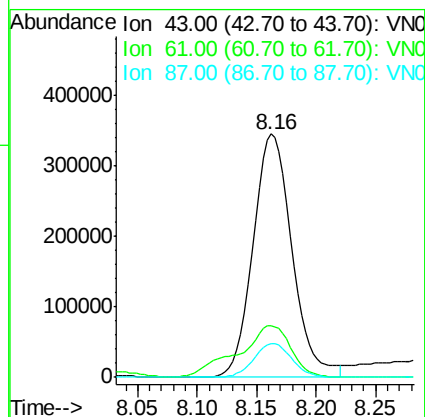
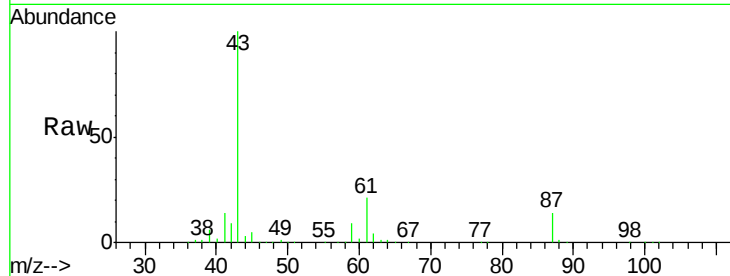
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	782770
Ion	Ratio	Lower	Upper
43	100		
61	28.5	23.3	34.9
87	13.6	10.8	16.2

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#44

Trichloroethene

Concen: 48.718 ug/l

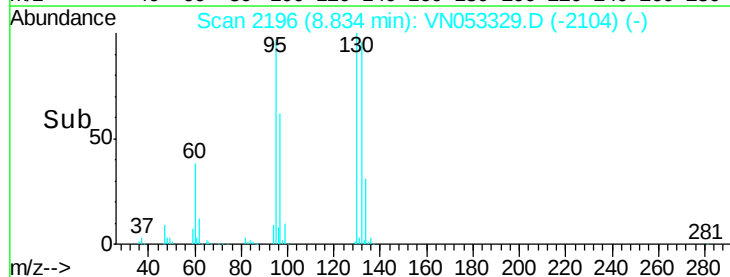
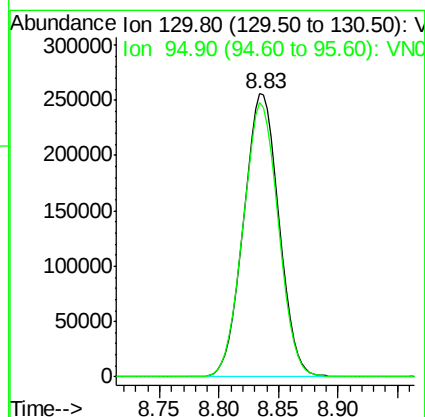
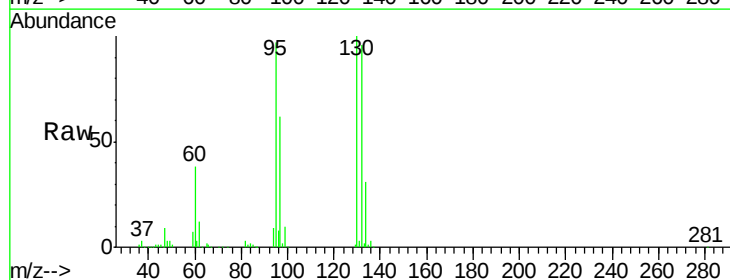
RT: 8.83 min Scan# 2196

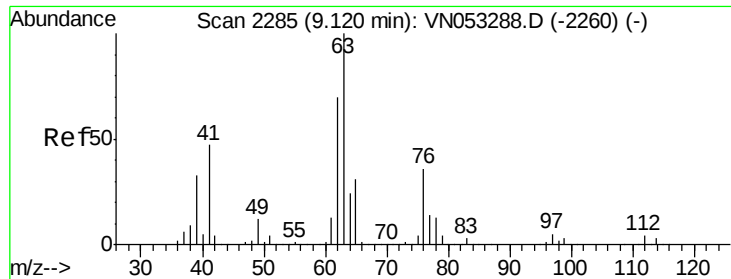
Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion:	130	Resp:	527799
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	191.8





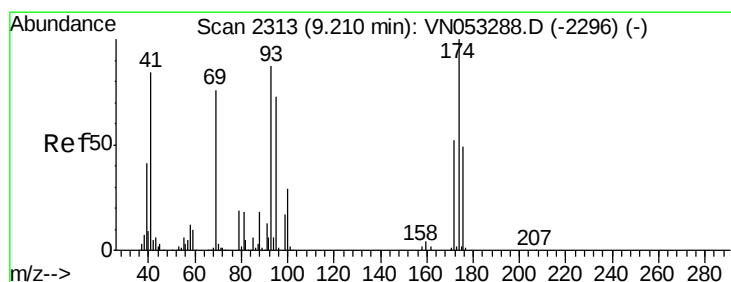
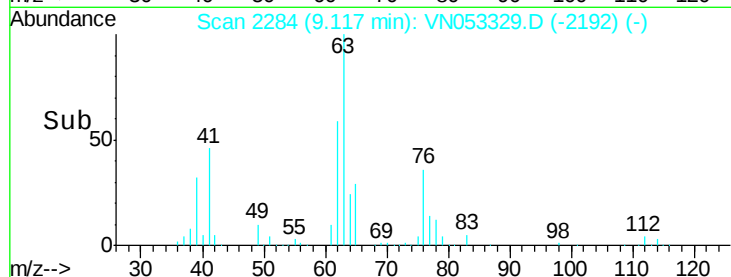
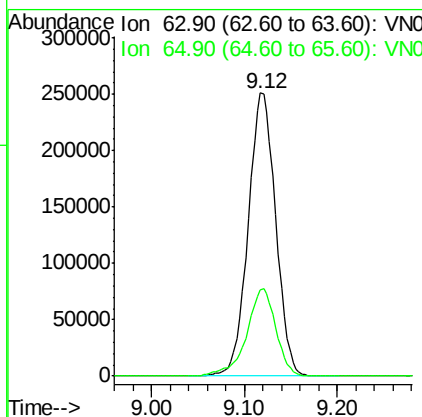
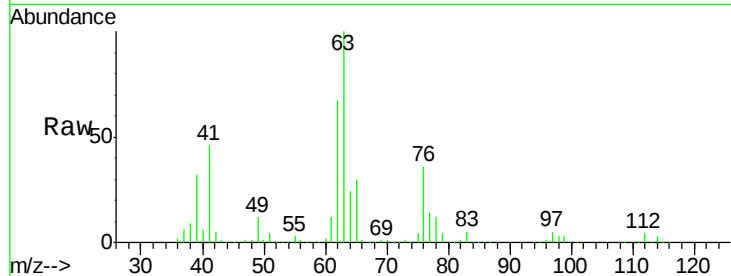
#45
 1,2-Dichloropropane
 Concen: 49.856 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 515911
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

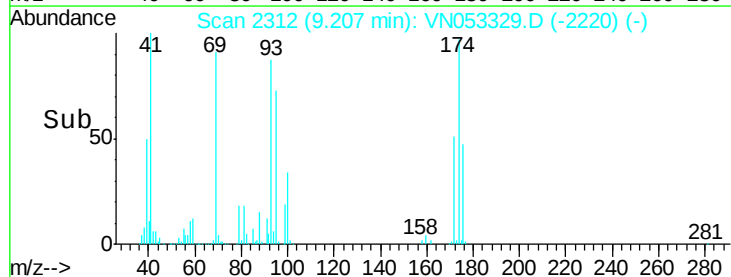
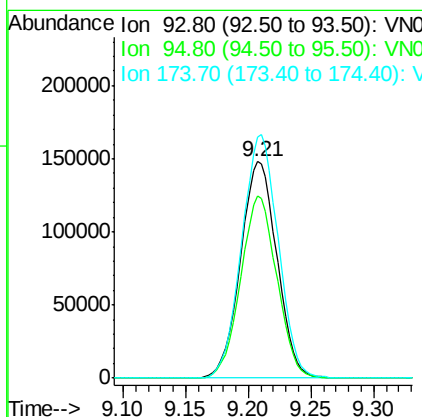
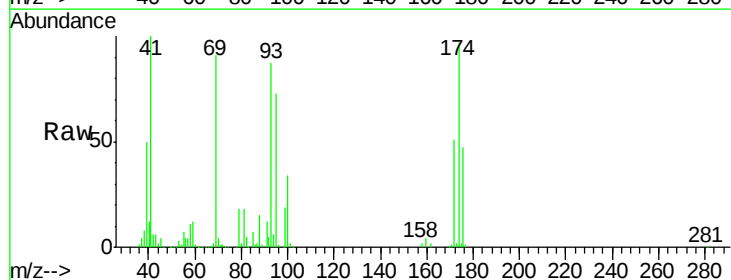
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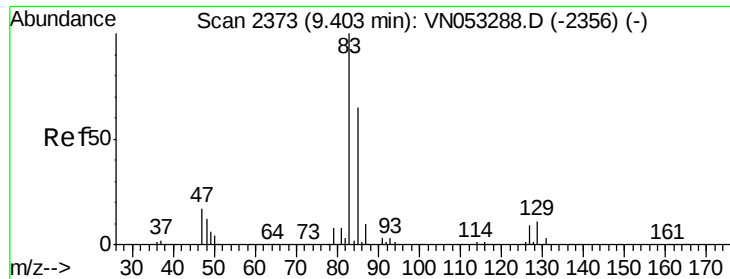
MMDadoda
 1/10/2019 9:25:31 AM



#46
 Dibromomethane
 Concen: 49.755 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 93 Resp: 300202
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 112.6 91.4 137.0





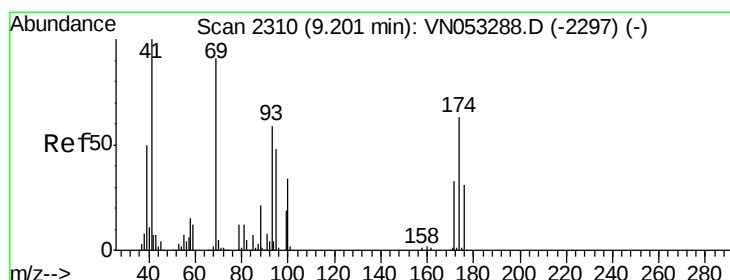
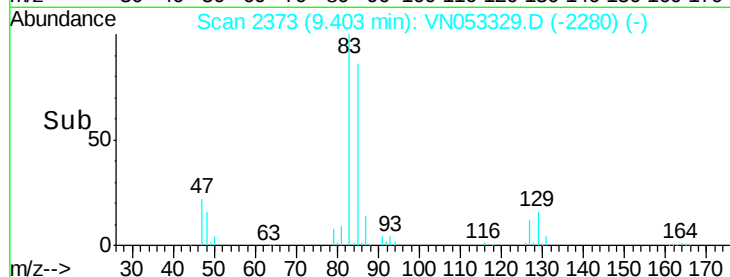
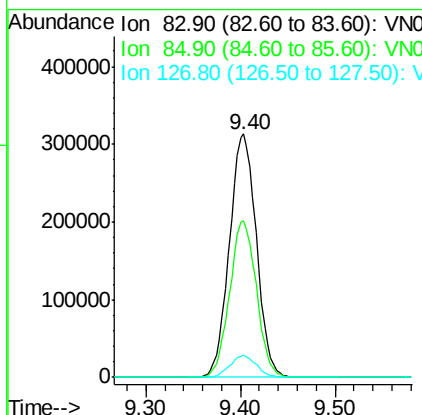
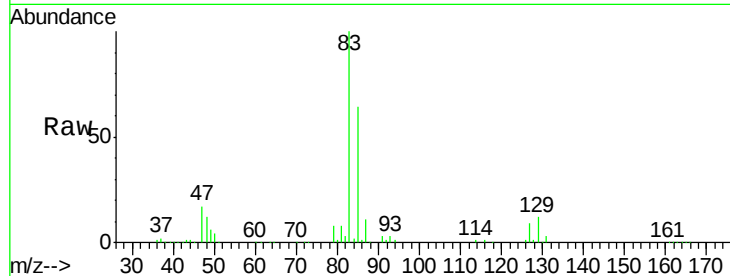
#47
Bromodichloromethane
Concen: 49.384 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	620940
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.7	77.5
127	8.9	7.0	10.6

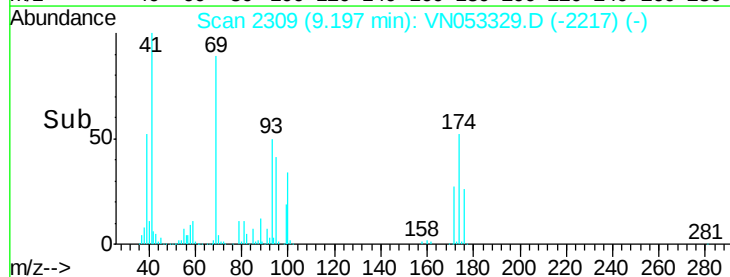
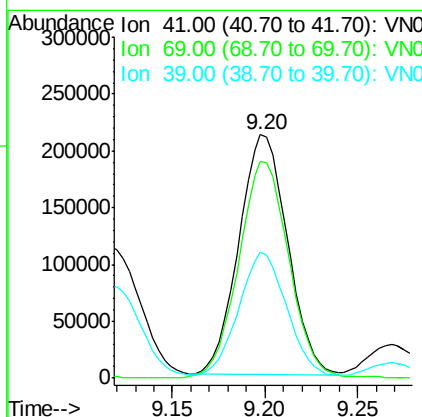
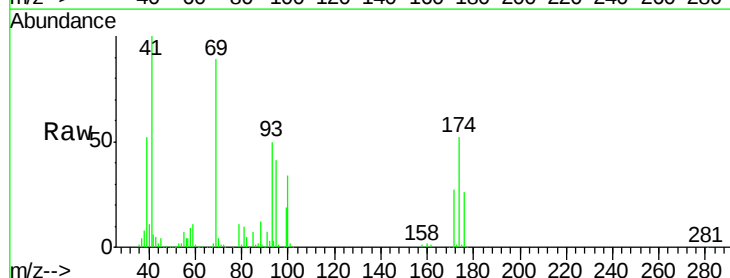
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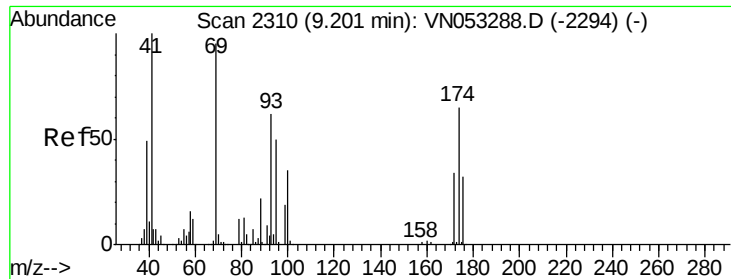
MMDadoda
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#48
Methyl methacrylate
Concen: 51.304 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	41	Resp	385771
Ion Ratio	100	Lower	Upper
41	100		
69	92.8	73.5	110.3
39	52.6	41.6	62.4





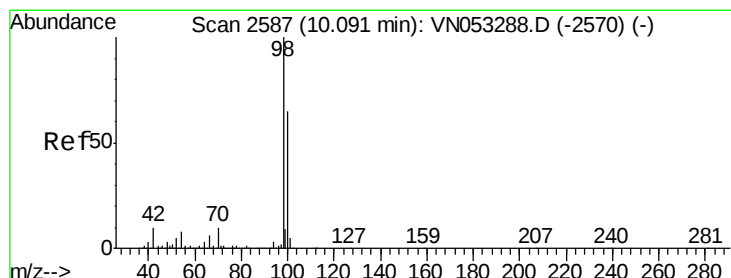
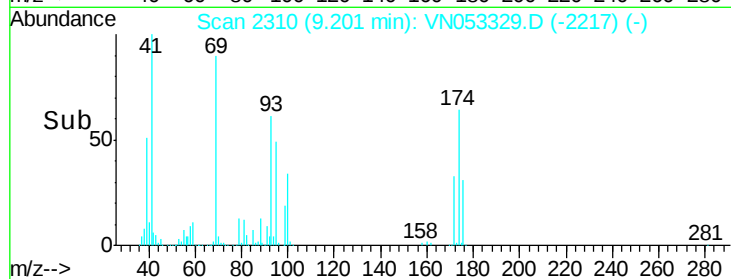
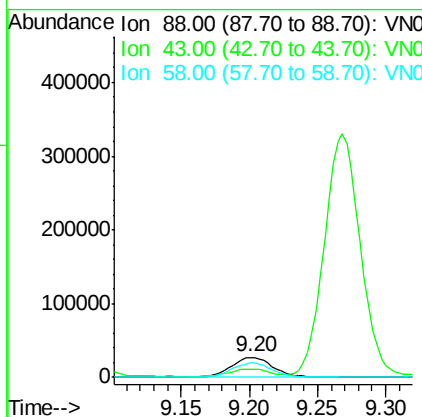
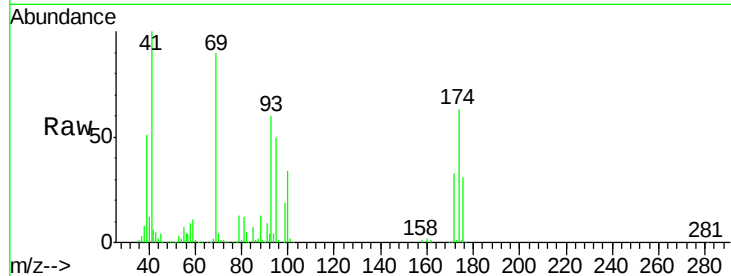
#49
1,4-Dioxane
Concen: 723.206 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	57938
Ion	Ratio	Lower	Upper
88	100		
43	37.1	26.2	39.4
58	70.4	55.5	83.3

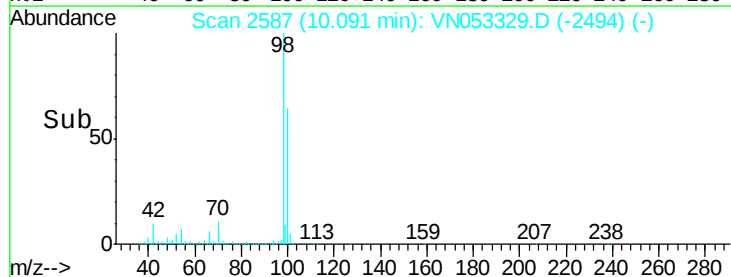
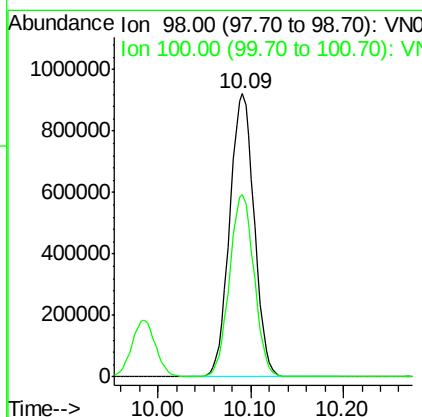
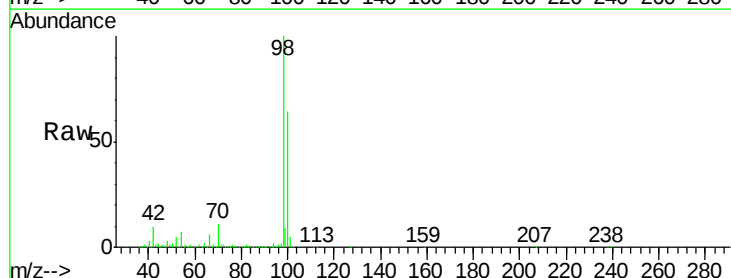
Manual Integrations
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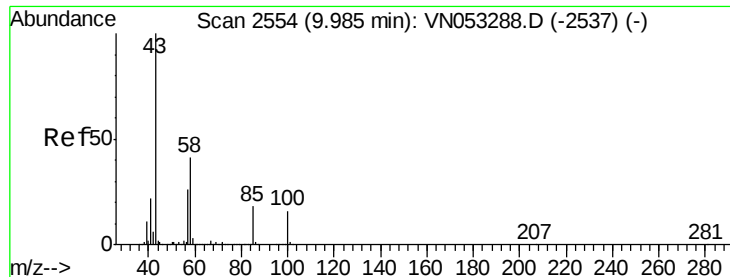
MMDadoda
1/10/2019 9:25:31 AM



#50
Toluene-d8
Concen: 723.206 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	98	Resp	1688437
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 256.846 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2137771

Ion Ratio Lower Upper

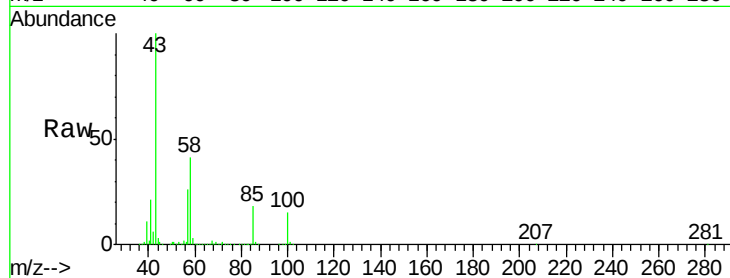
43 100

58 41.2 32.7 49.1

Manual Integrations
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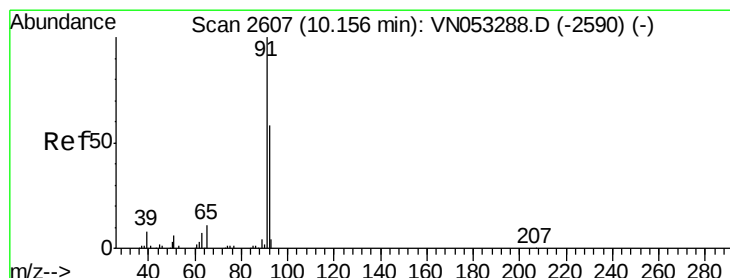
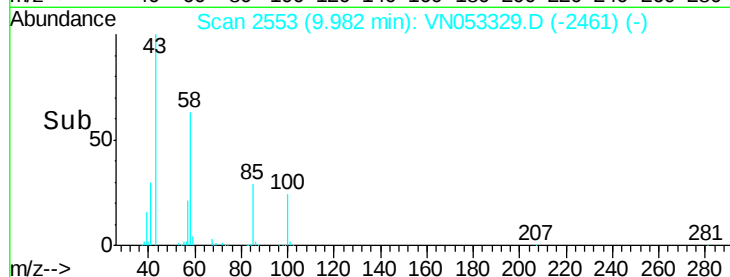
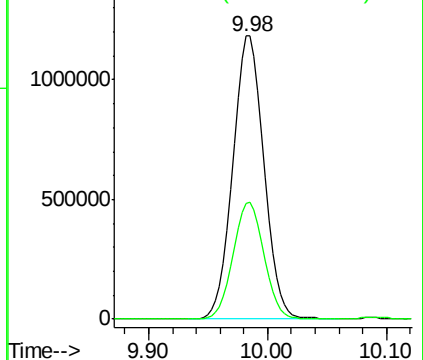
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#52

Toluene

Concen: 50.378 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053329.D

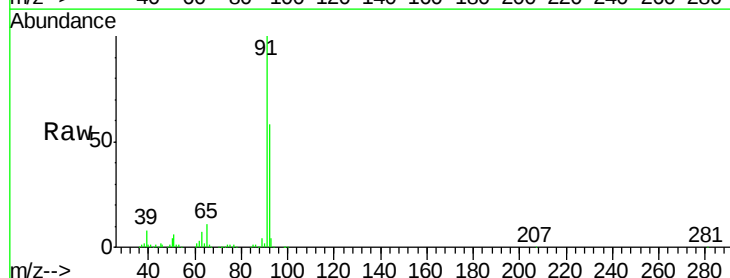
Acq: 9 Jan 2019 19:19

Tgt Ion: 92 Resp: 1219409

Ion Ratio Lower Upper

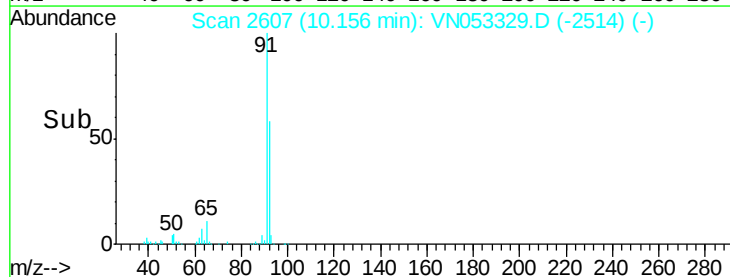
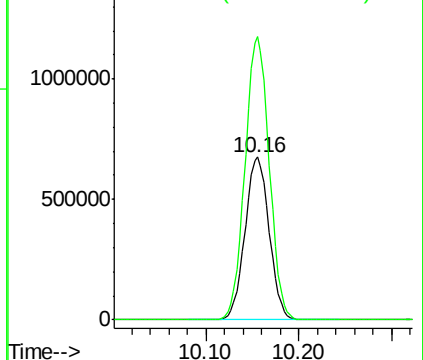
92 100

91 173.9 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VNO

Ion 91.00 (90.70 to 91.70): VNO





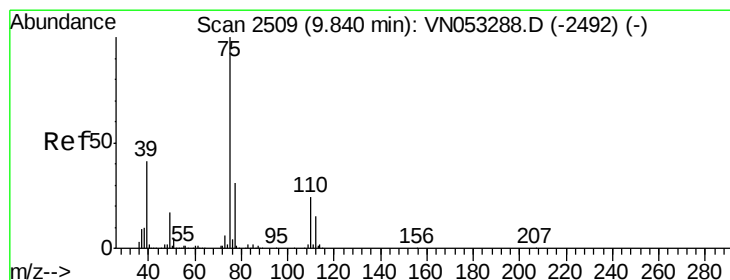
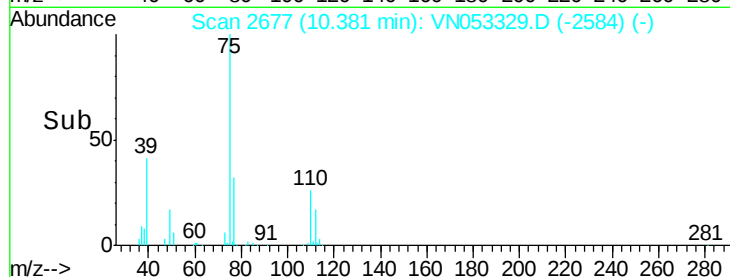
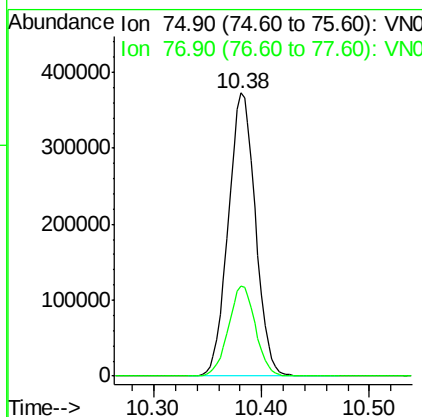
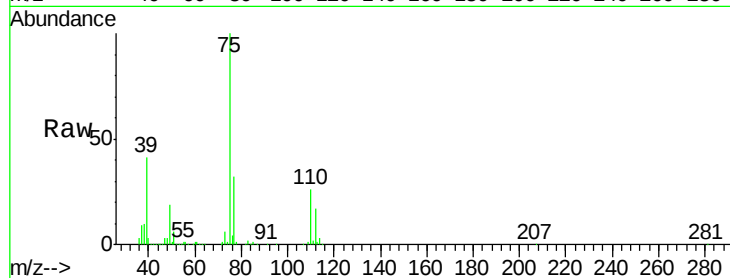
#53
t-1,3-Dichloropropene
Concen: 50.954 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 655409
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4

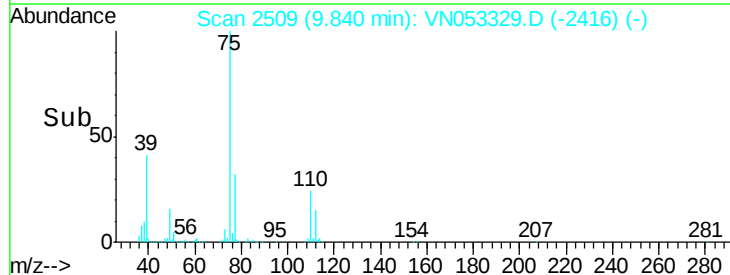
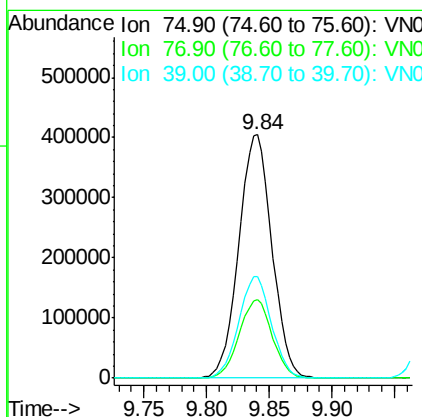
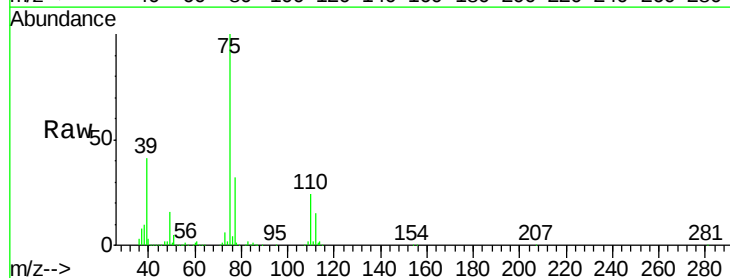
Manual Integrations
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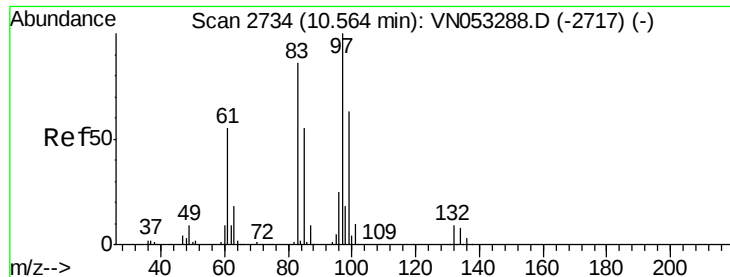
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.010 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 75 Resp: 743327
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7
39 41.4 33.1 49.7





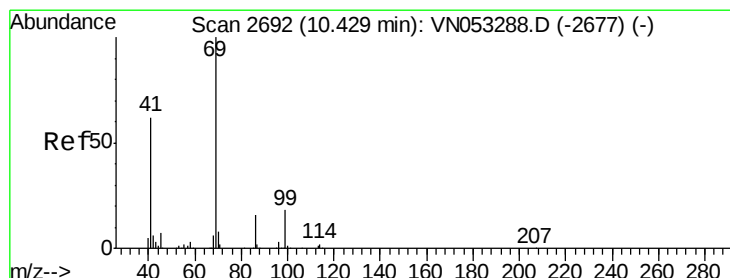
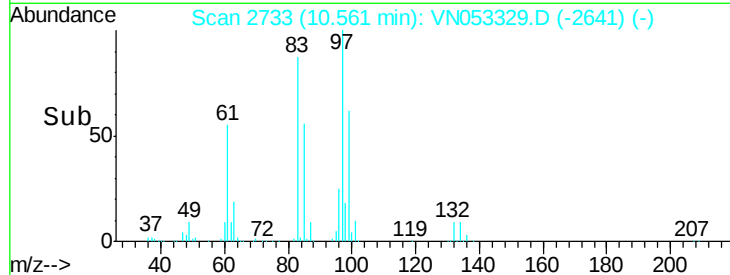
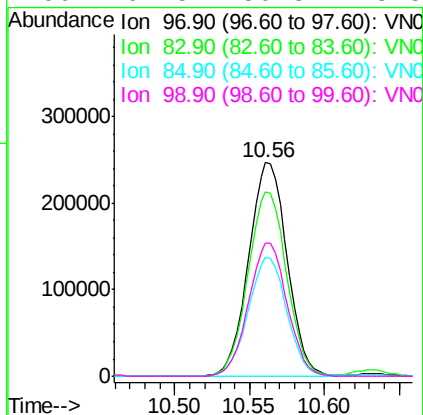
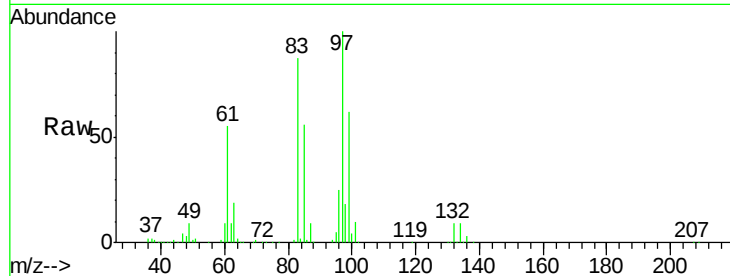
#55
 1,1,2-Trichloroethane
 Concen: 49.691 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	442258
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.1	103.7
85	55.9	44.2	66.4
99	62.5	50.3	75.5

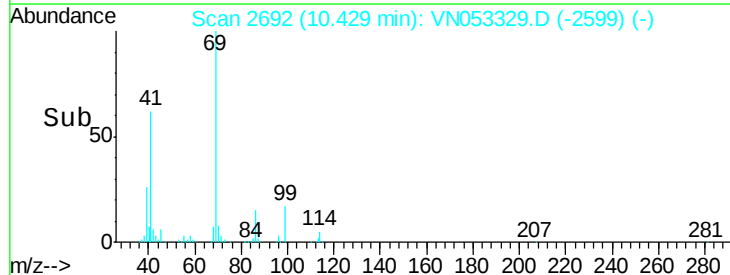
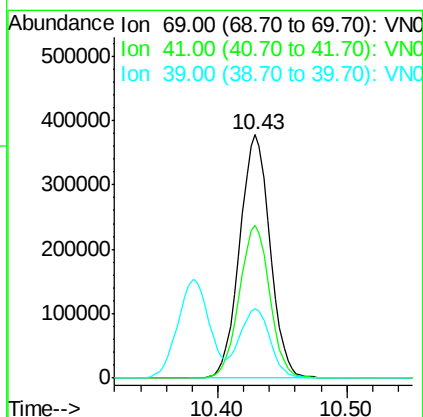
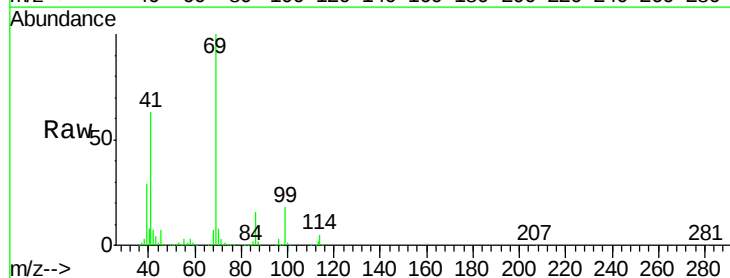
Manual Integrations
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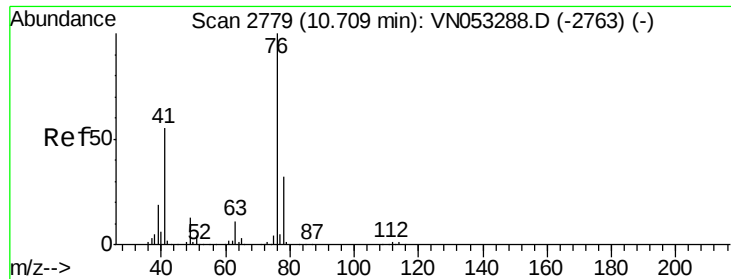
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#56
 Ethyl methacrylate
 Concen: 53.512 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion:	69	Resp:	618914
Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.2	73.8
39	28.8	23.4	35.0





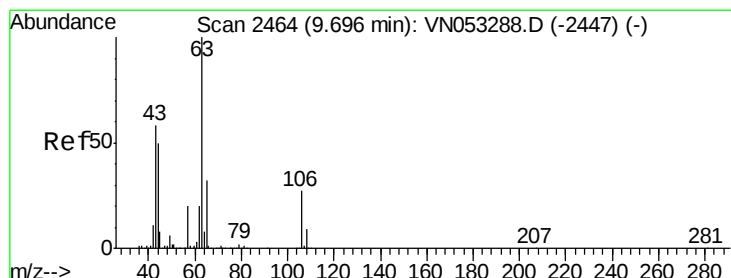
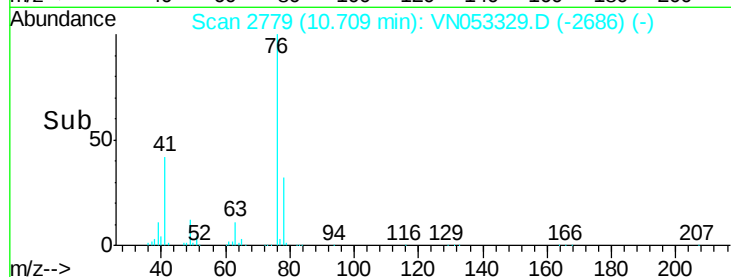
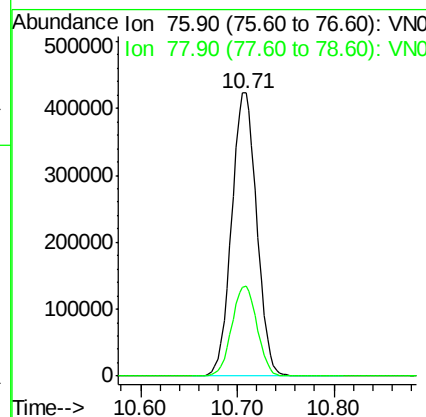
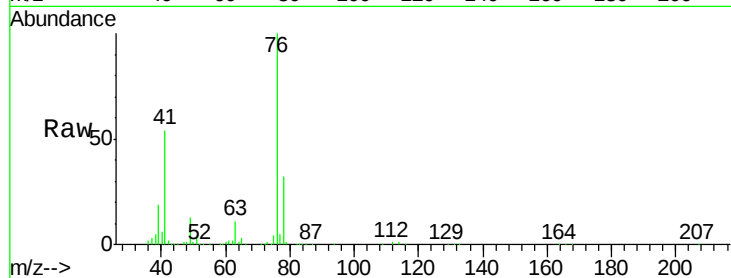
#57
 1,3-Dichloropropane
 Concen: 51.117 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 760808
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

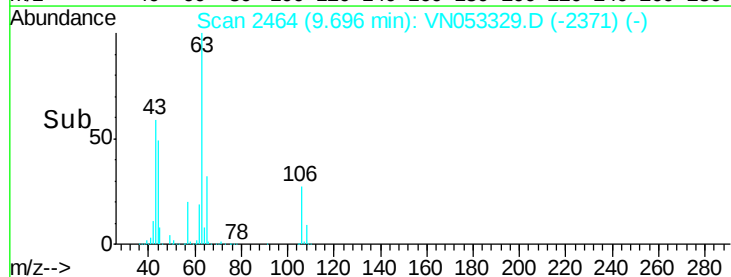
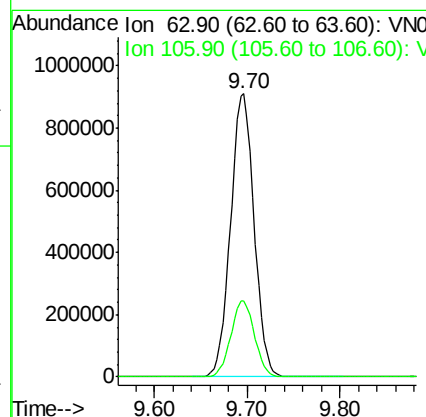
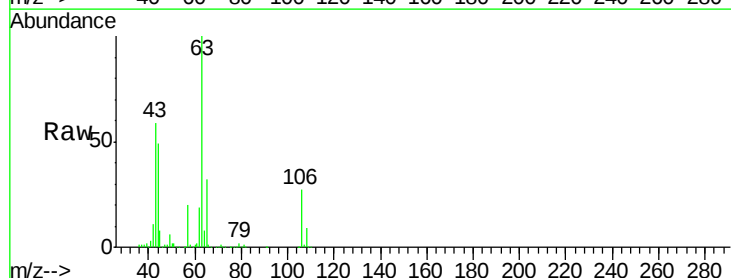
Manual Integrations
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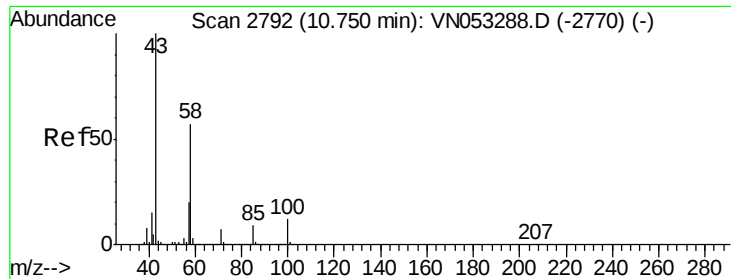
MMDadoda
 1/10/2019 9:25:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.561 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 63 Resp: 1597979
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





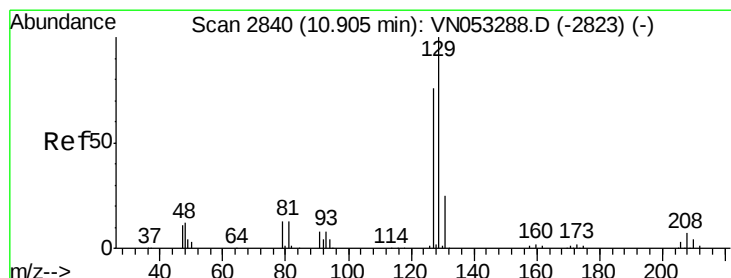
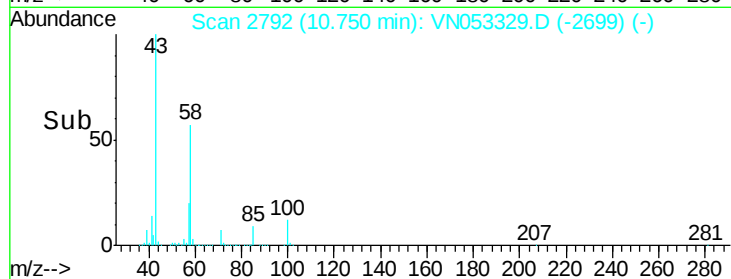
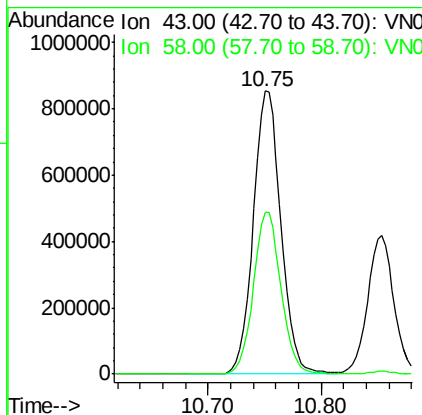
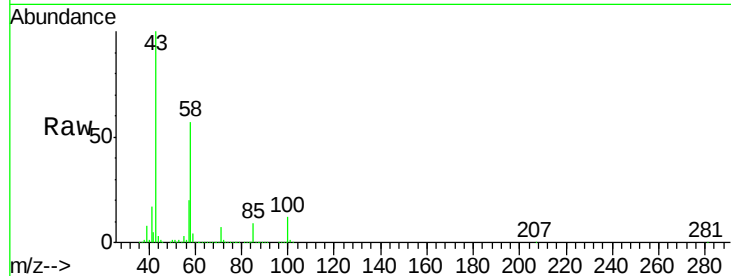
#59
2-Hexanone
Concen: 253.149 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1443638
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0

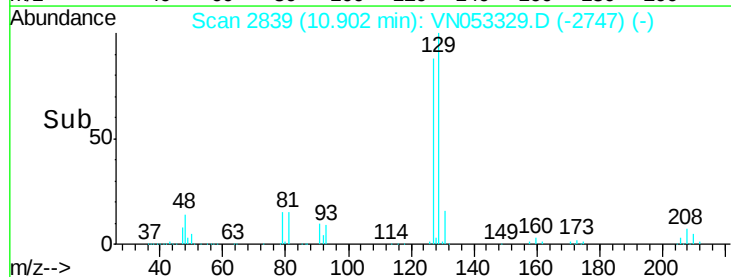
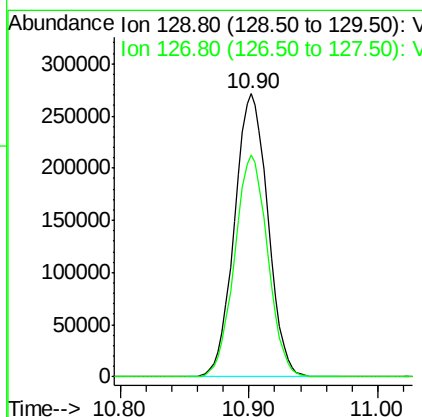
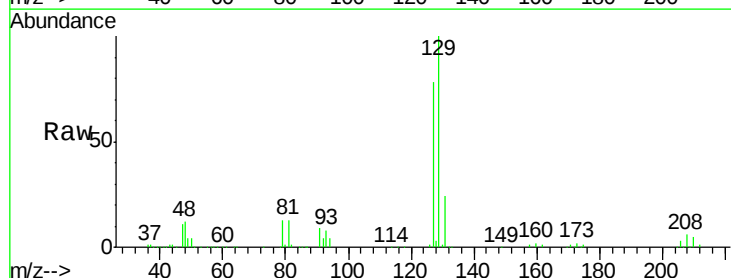
Manual Integrations
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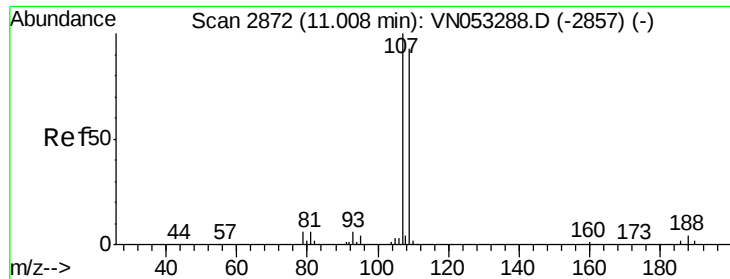
MMDadoda
1/10/2019 9:25:31 AM



#60
Dibromochloromethane
Concen: 50.845 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 129 Resp: 488089
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





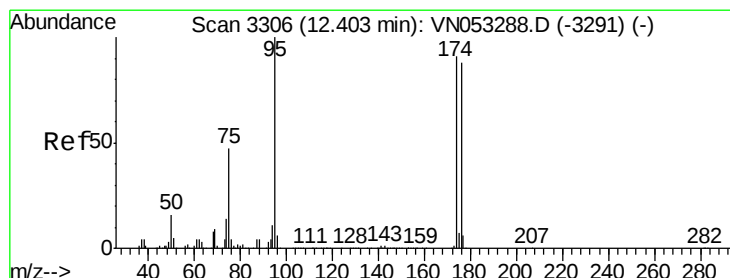
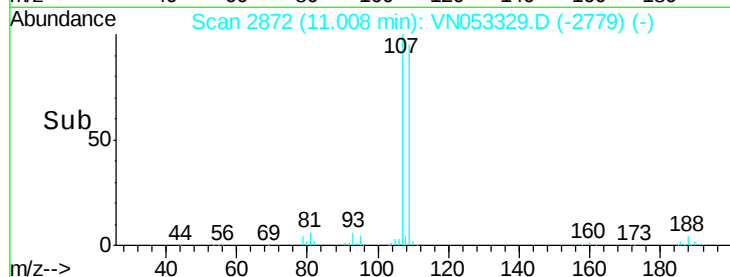
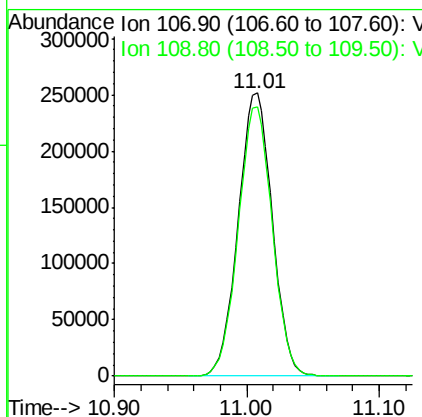
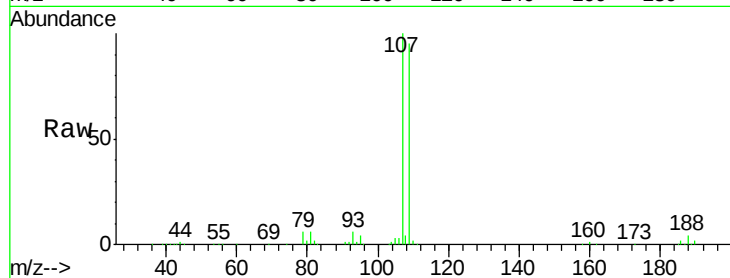
#61
 1,2-Dibromoethane
 Concen: 51.046 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.0	112.6

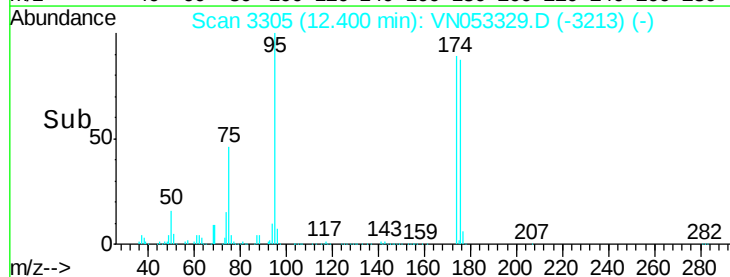
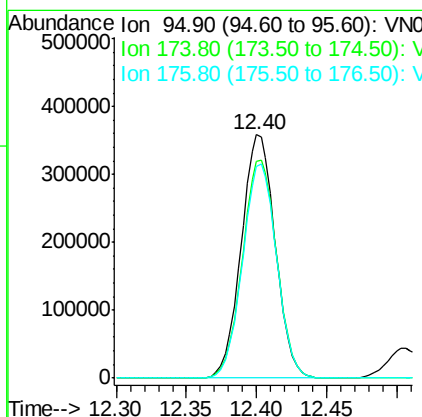
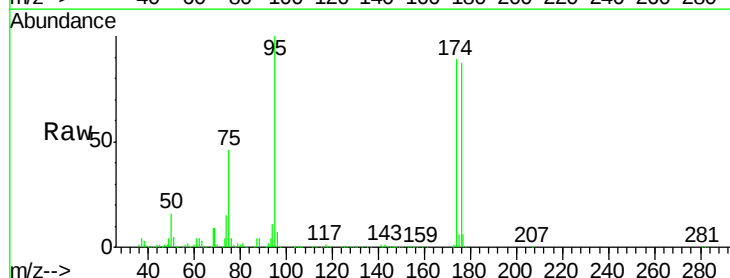
Manual Integrations
 APPROVED

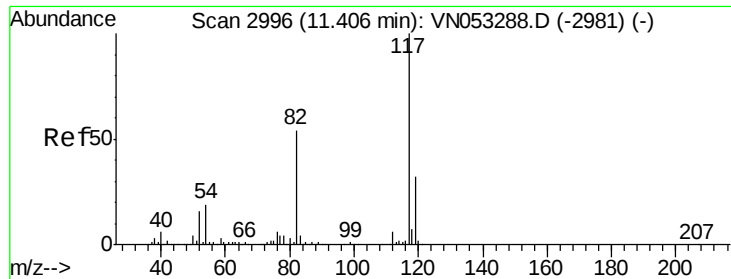
MMDadoda
 1/10/2019 9:25:31 AM



#62
 4-Bromofluorobenzene
 Concen: 51.046 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	180.4
176	88.3	0.0	175.6





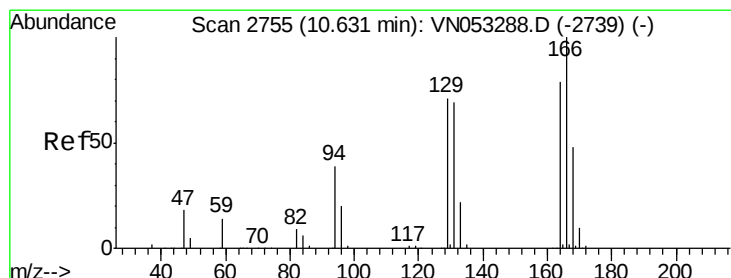
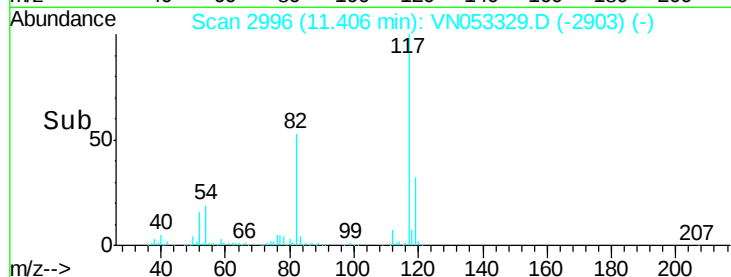
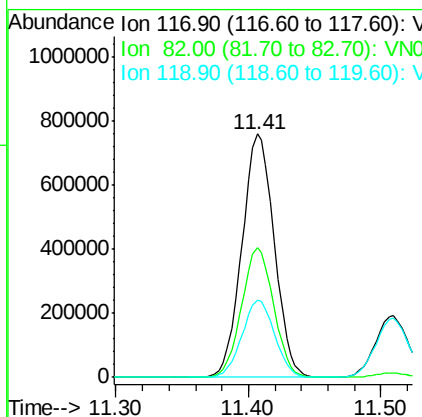
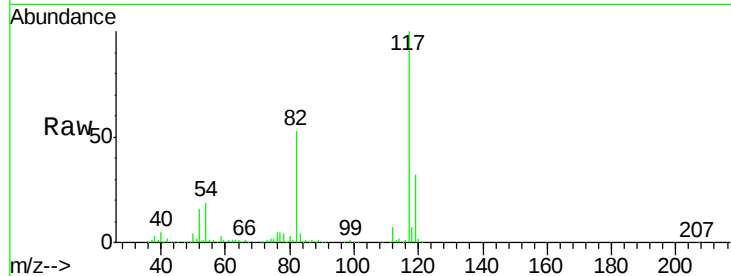
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1283440
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 31.9 25.6 38.4

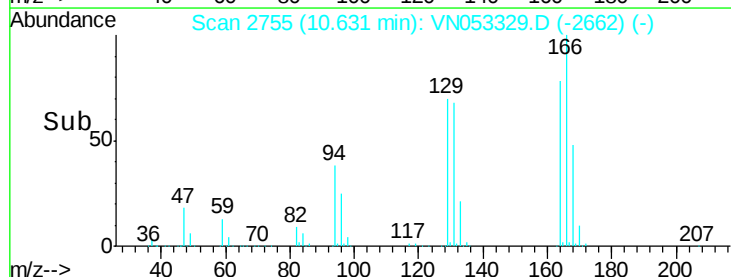
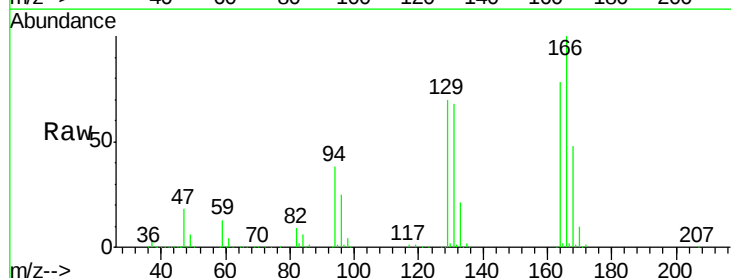
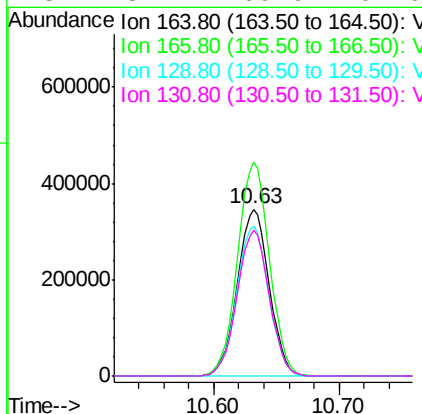
Manual Integrations
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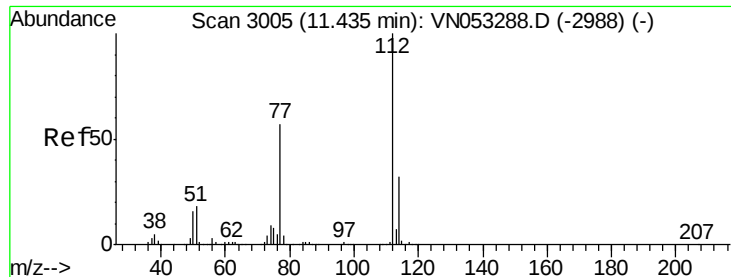
MMDadoda
1/10/2019 9:25:31 AM



#64
Tetrachloroethene
Concen: 50.438 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:164 Resp: 609278
Ion Ratio Lower Upper
164 100
166 127.9 101.7 152.5
129 90.0 72.1 108.1
131 87.2 69.9 104.9





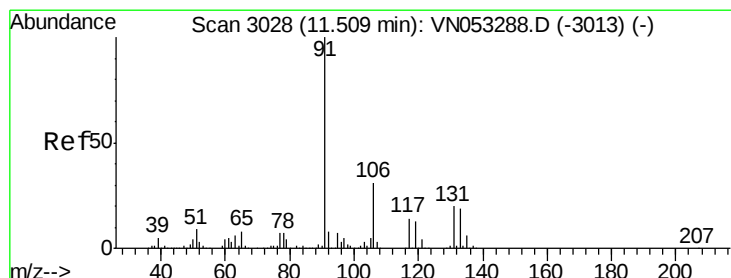
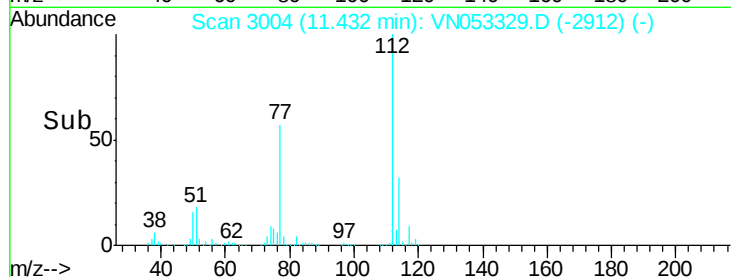
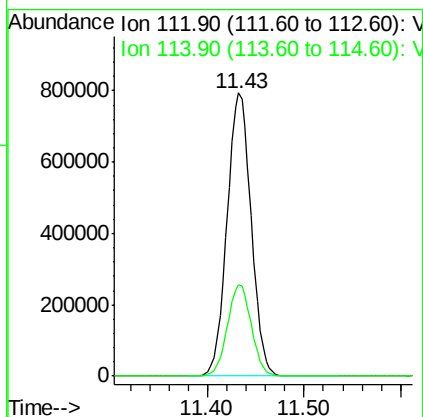
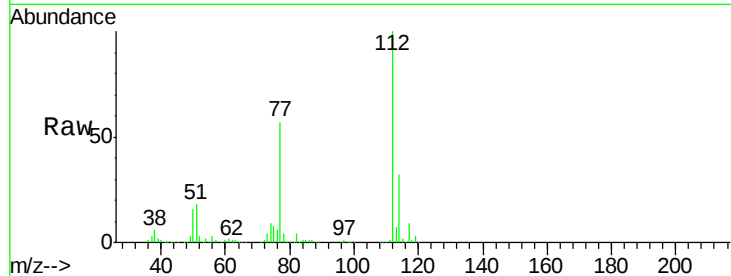
#65
Chlorobenzene
Concen: 49.084 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1368511
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

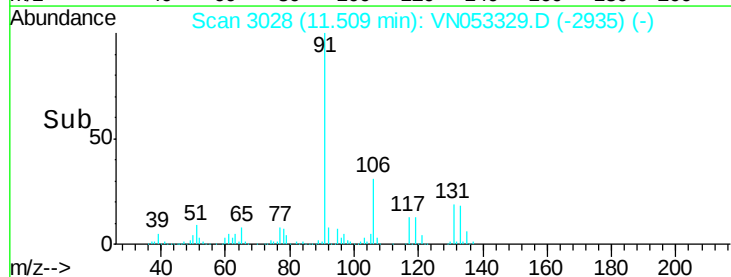
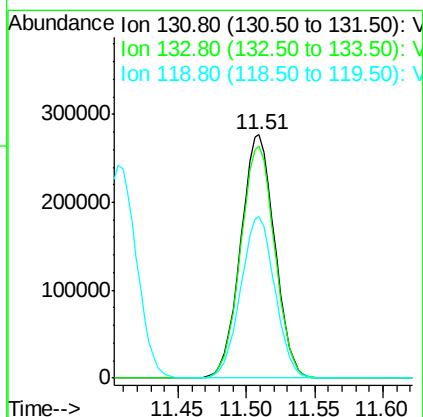
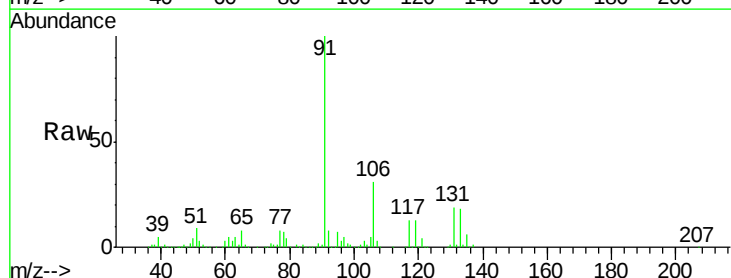
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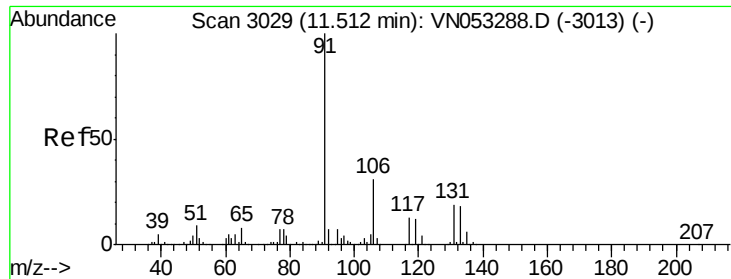
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.059 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:131 Resp: 478758
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.6 33.3 99.9





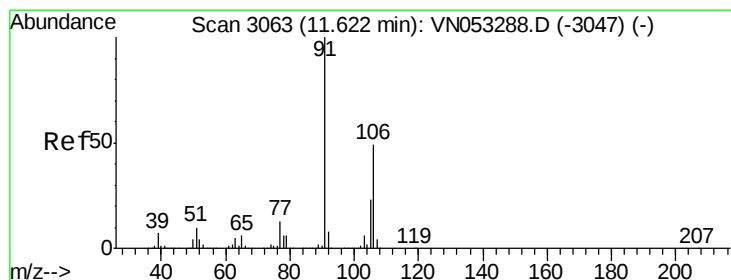
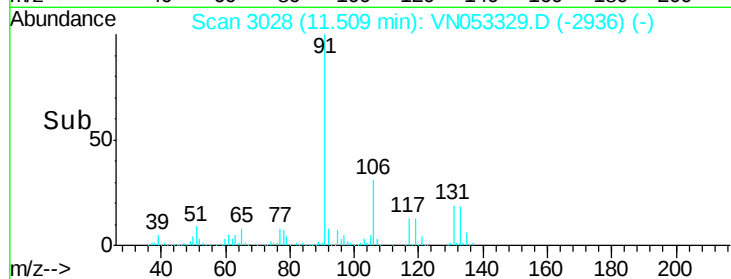
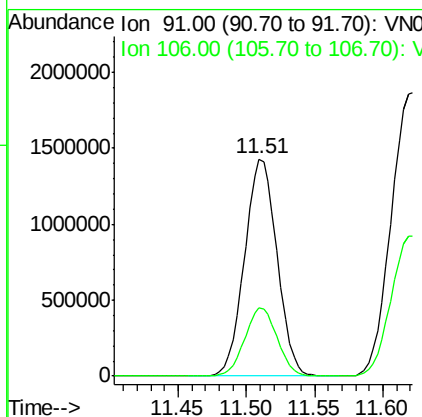
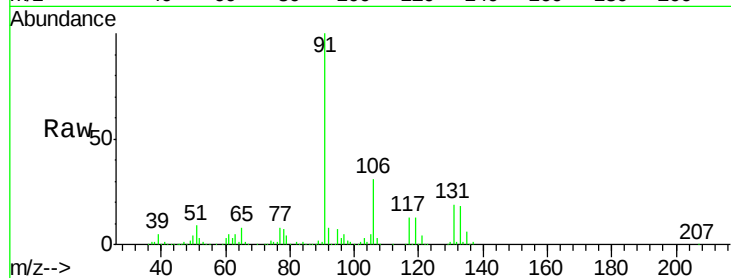
#67
Ethyl Benzene
Concen: 49.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2360596
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

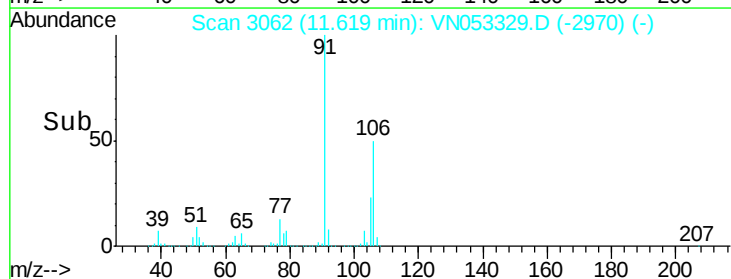
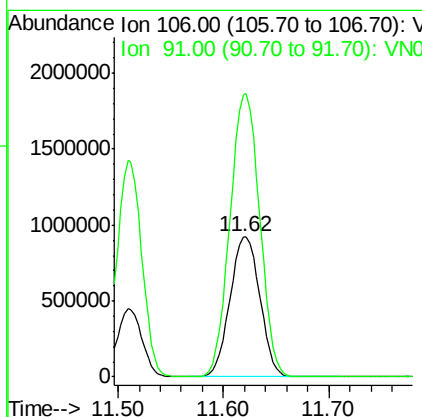
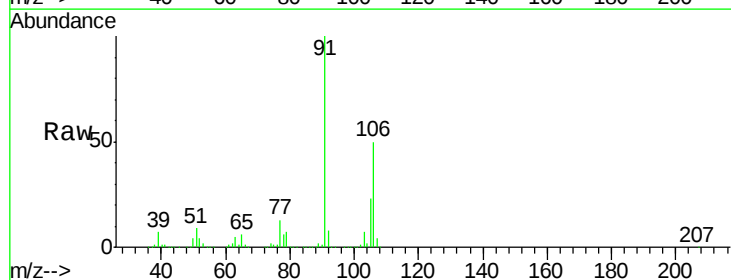
Manual Integrations
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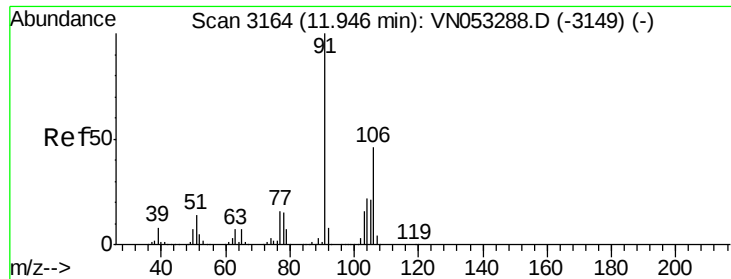
MMDadoda
1/10/2019 9:25:31 AM



#68
m/p-Xylenes
Concen: 101.499 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 106 Resp: 1808169
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.2





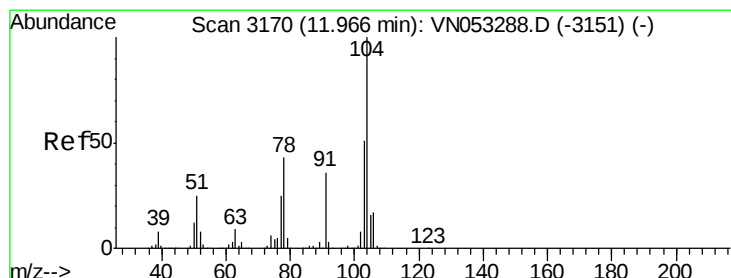
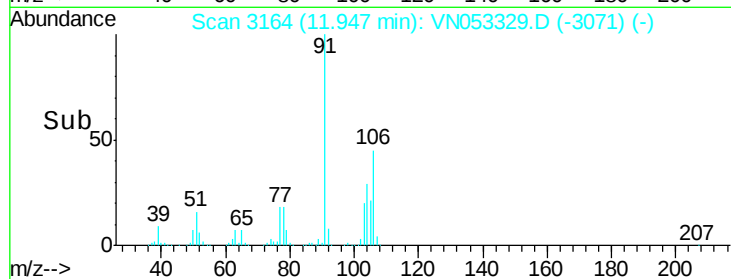
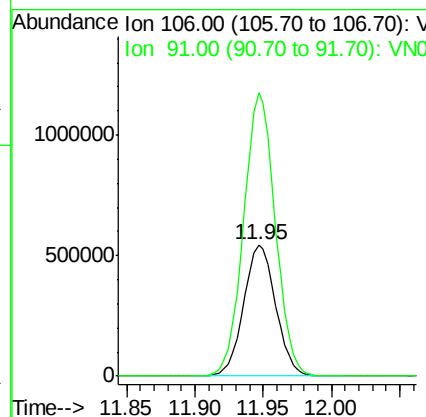
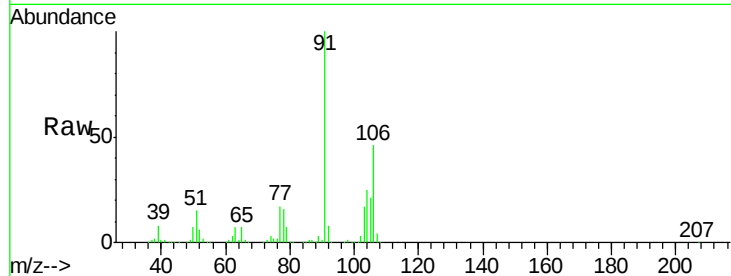
#69
o-Xylene
Concen: 50.675 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		883806		
91	213.6	106.8	320.4		

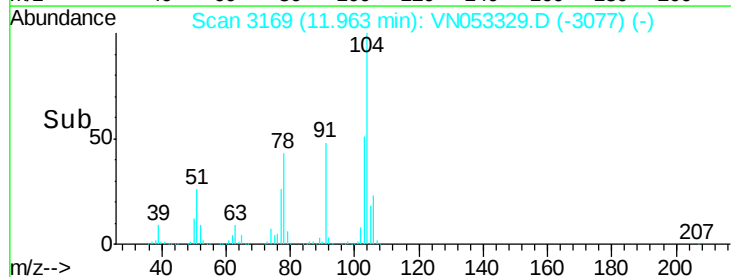
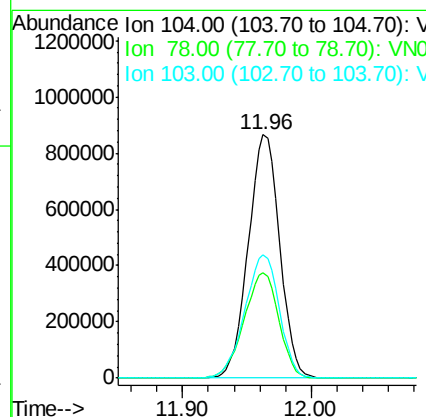
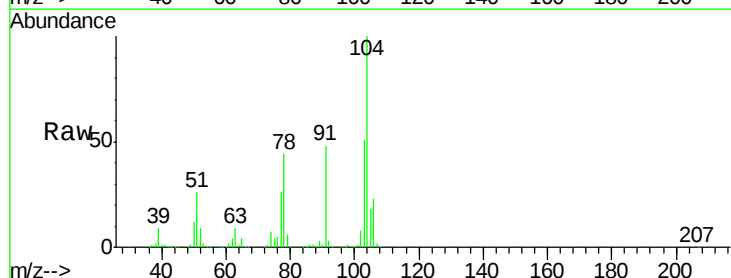
Manual Integrations
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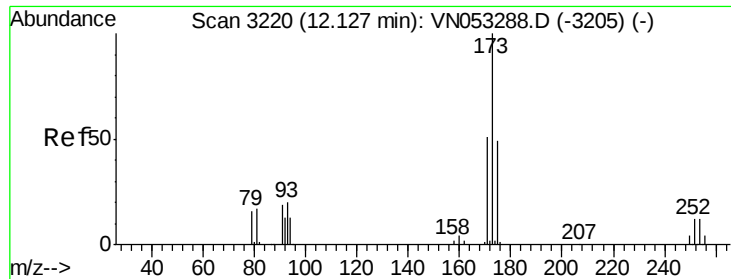
MMDadoda
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#70
Styrene
Concen: 51.829 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1471155		
78	48.0	38.5	57.7		
103	55.6	44.5	66.7		





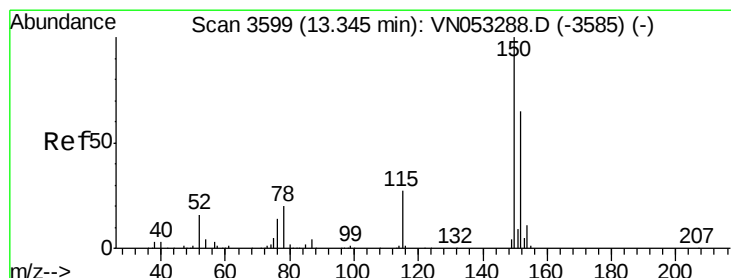
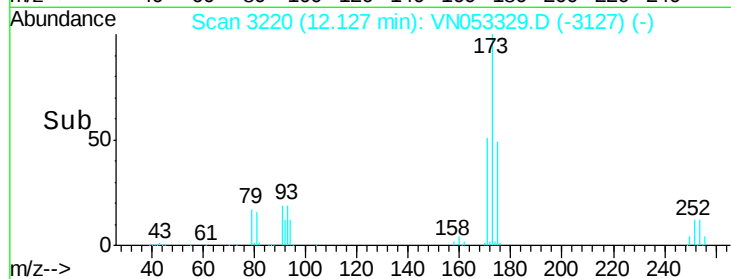
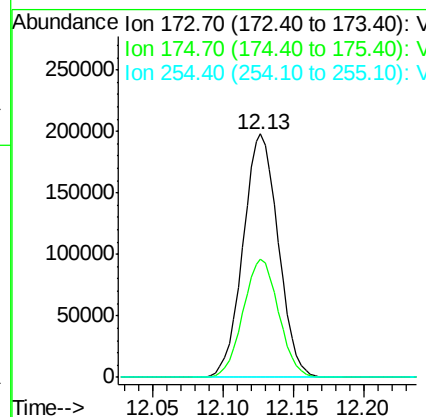
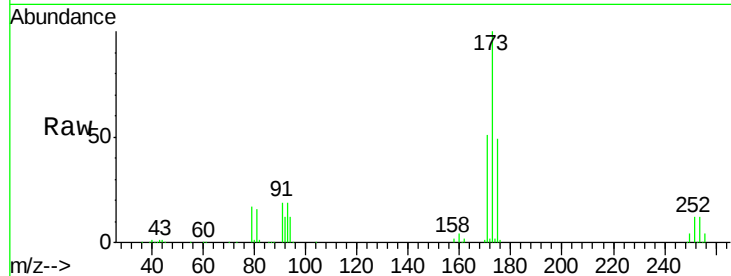
#71
Bromoform
Concen: 50.177 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.1	0.2	0.2

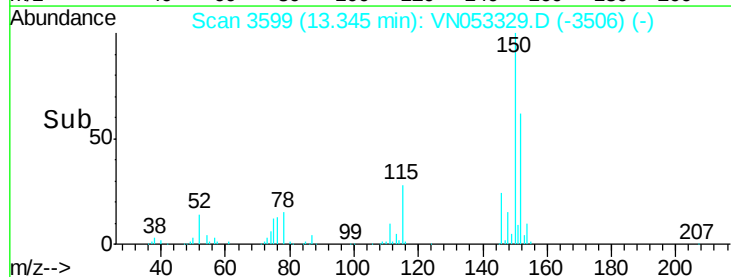
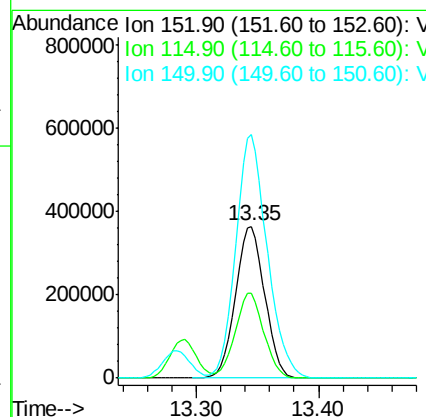
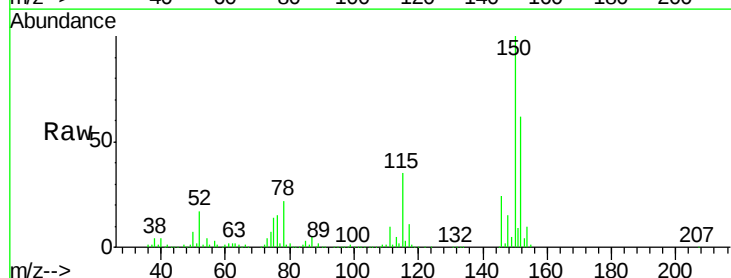
Manual Integrations
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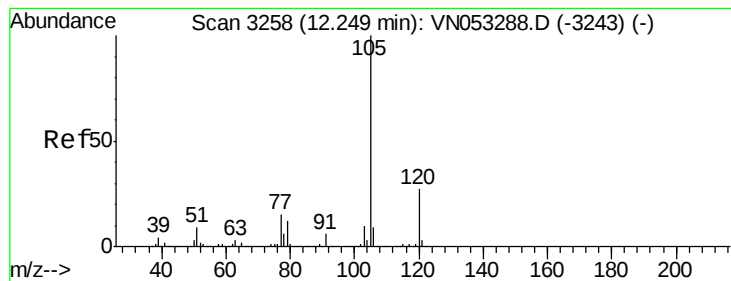
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.0	84.0
150	172.7	0.0	346.6





#73

Isopropylbenzene

Concen: 52.390 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2352626

Ion Ratio Lower Upper

105 100

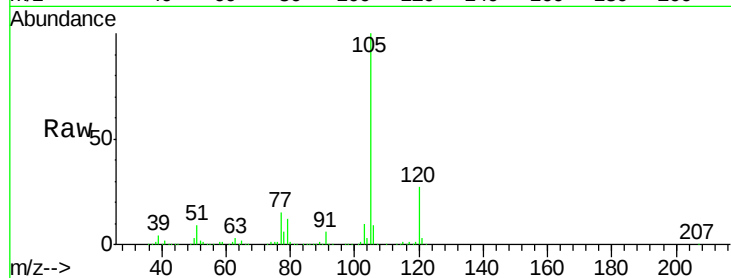
120 26.6 13.4 40.2

Manual Integrations

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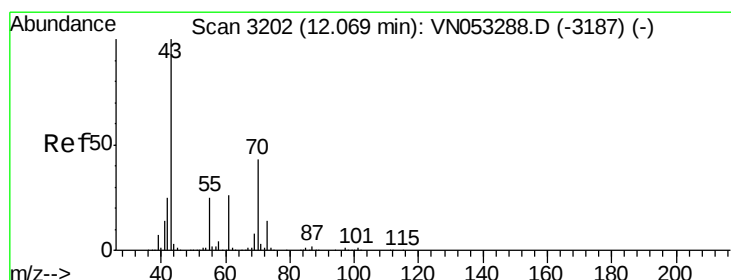
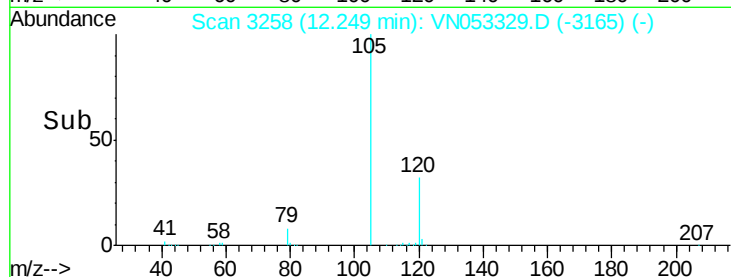
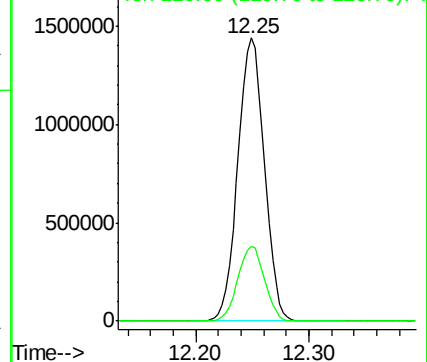
MMDadoda

1/10/2019 9:25:31 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.591 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion: 43 Resp: 691801

Ion Ratio Lower Upper

43 100

70 44.1 35.0 52.6

55 24.6 20.0 30.0

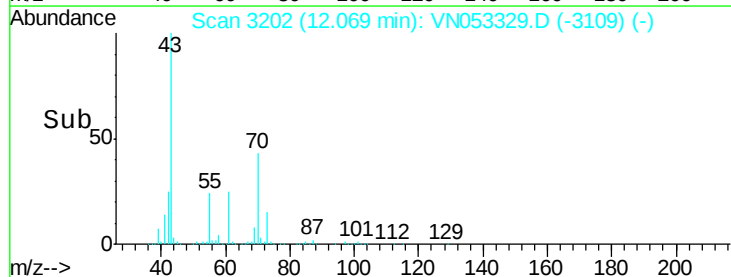
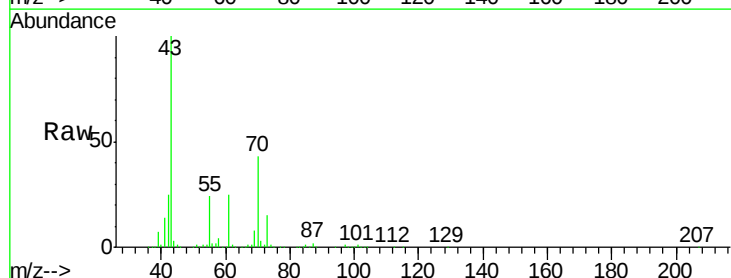
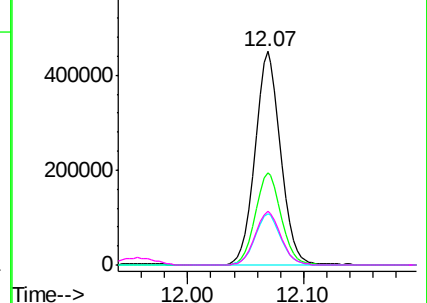
61 25.6 20.3 30.5

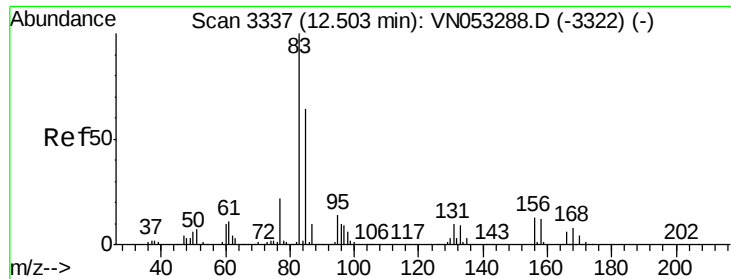
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.050 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 506678
Ion Ratio Lower Upper

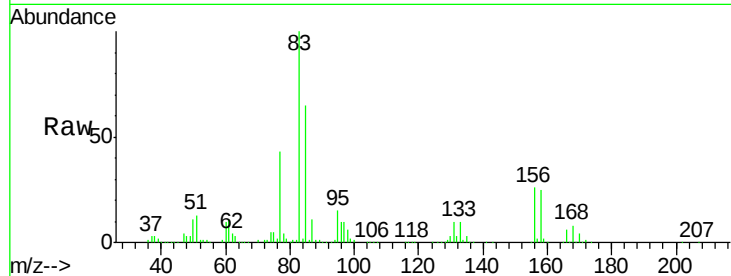
83 100

131 10.5 5.3 15.9

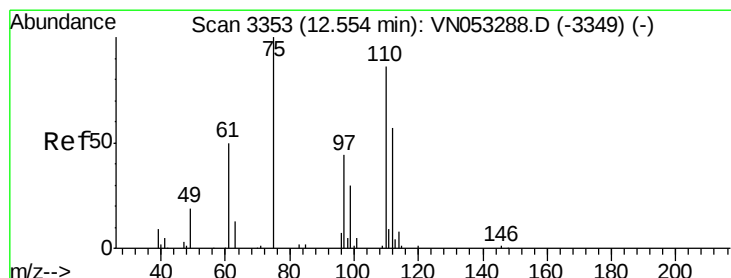
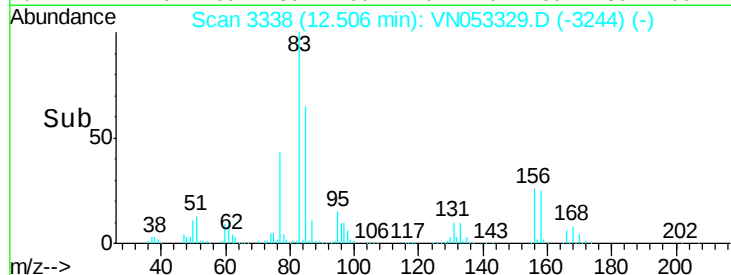
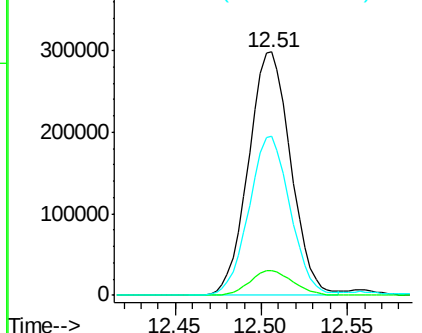
85 64.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 52.613 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

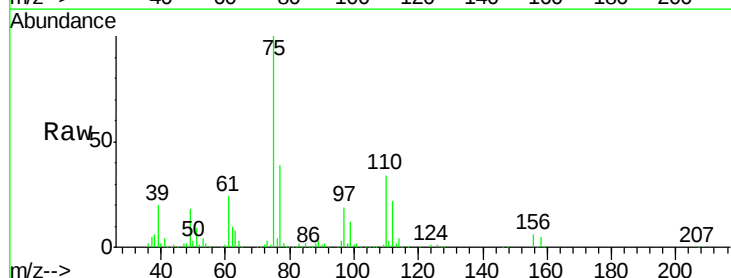
Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

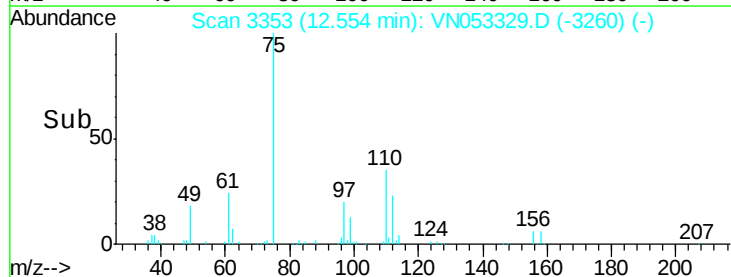
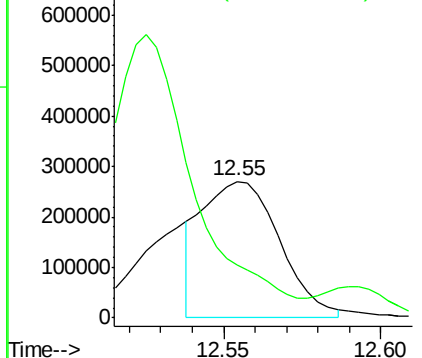
Tgt Ion: 75 Resp: 462849
Ion Ratio Lower Upper

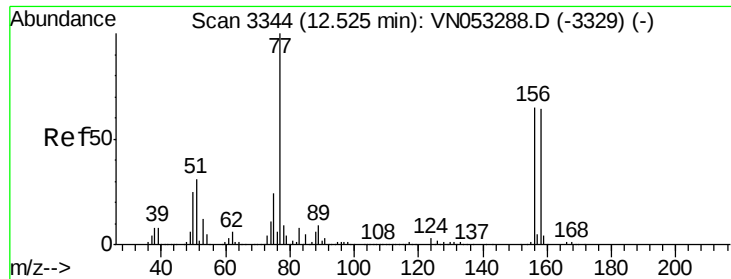
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.059 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

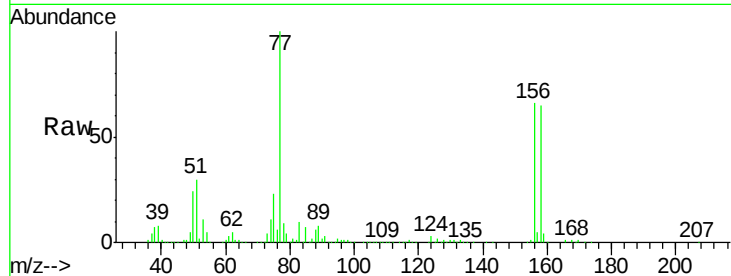
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.3	268.1
158	97.5	48.9	146.8

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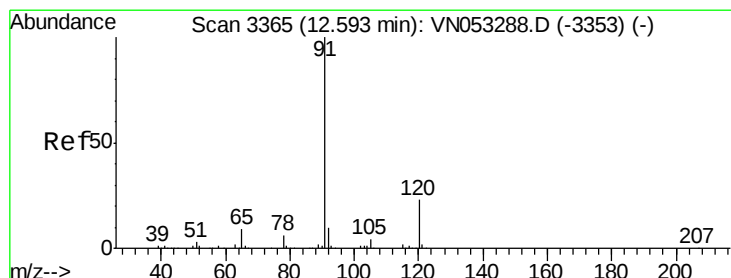
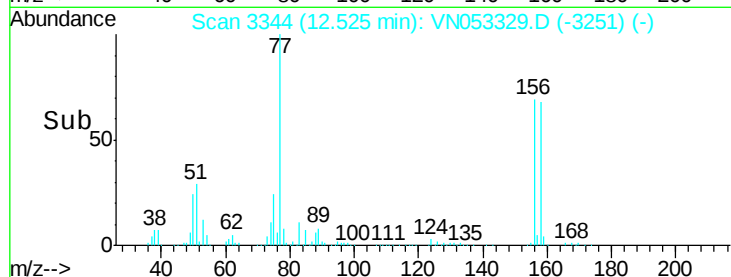
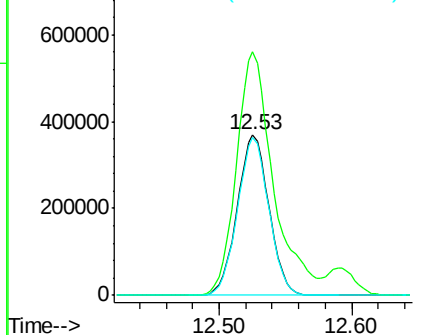
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.015 ug/l

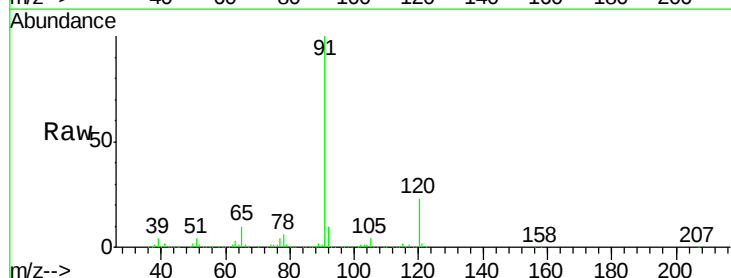
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053329.D

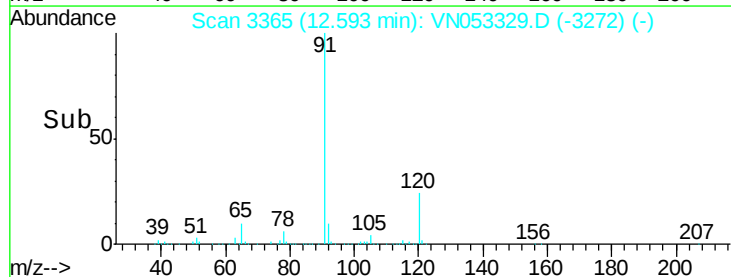
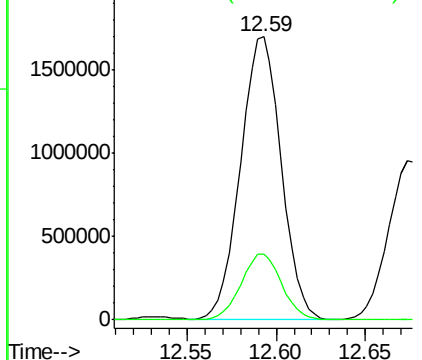
Acq: 9 Jan 2019 19:19

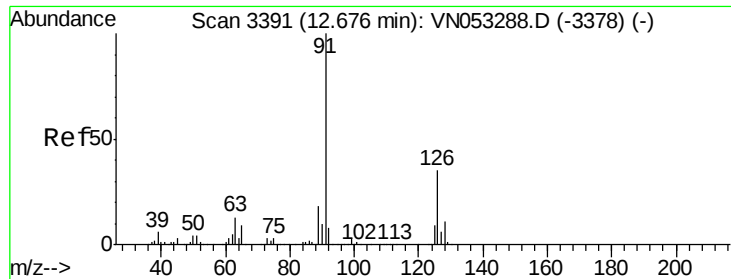
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





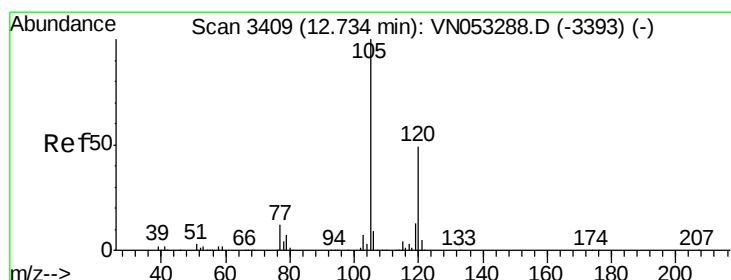
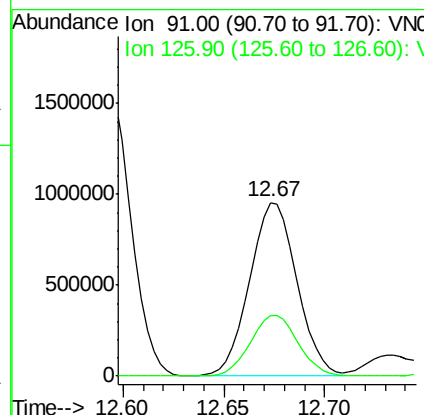
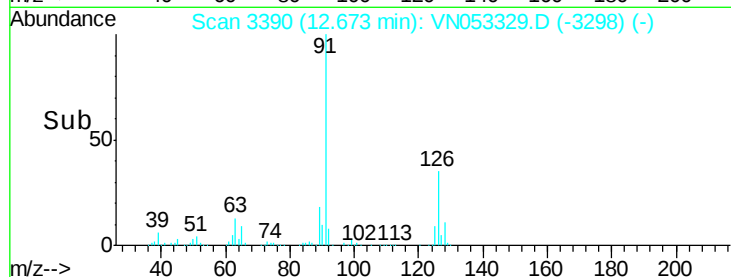
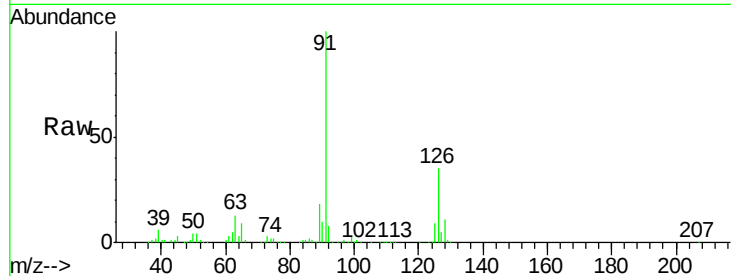
#79
2-Chlorotoluene
Concen: 51.098 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1570527
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.5

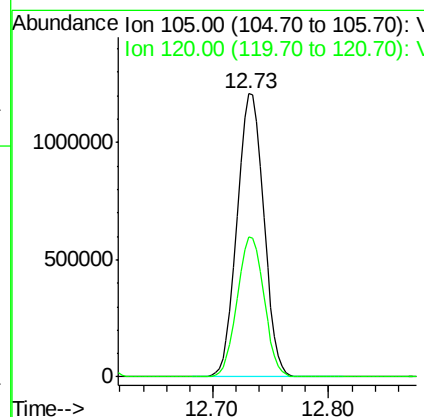
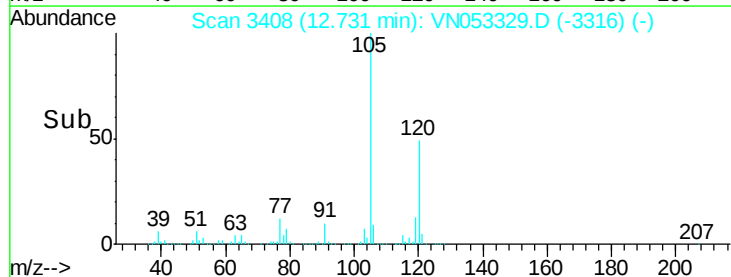
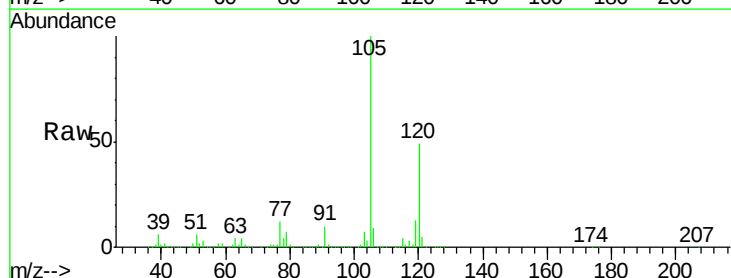
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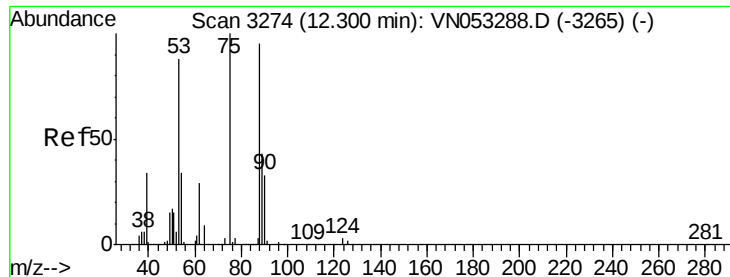
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#80
1,3,5-Trimethylbenzene
Concen: 53.088 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 105 Resp: 1920281
Ion Ratio Lower Upper
105 100
120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 52.374 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 156601

Ion Ratio Lower Upper

75 100

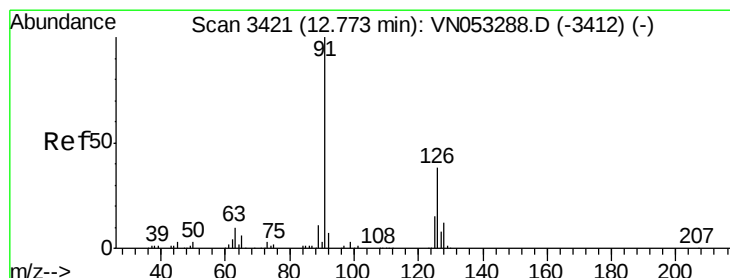
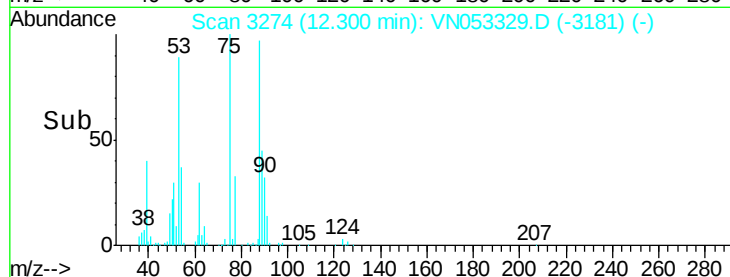
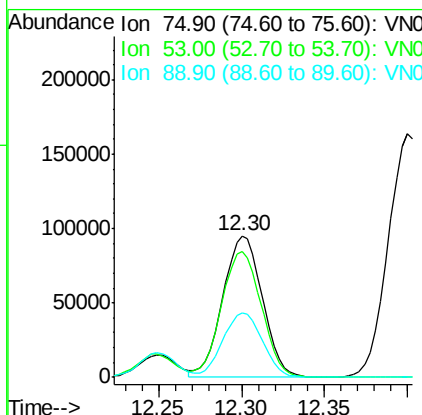
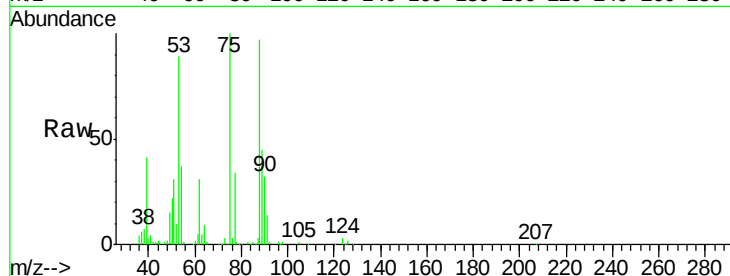
53 89.9 70.5 105.7

89 46.0 35.4 53.0

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#82

4-Chlorotoluene

Concen: 50.736 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053329.D

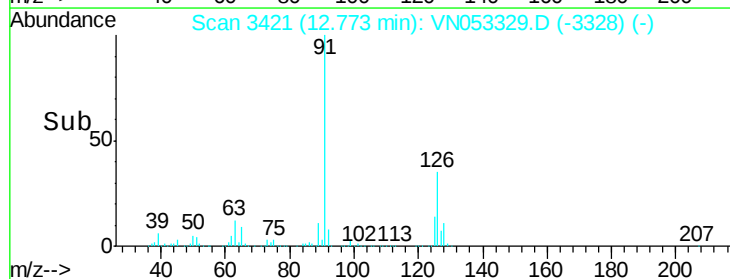
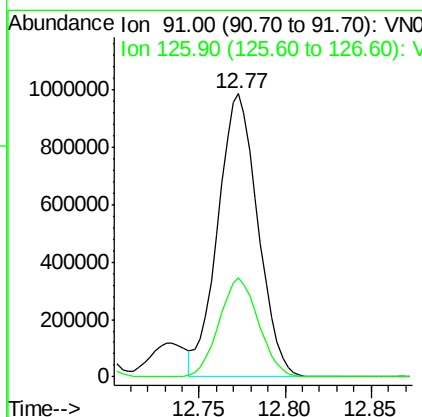
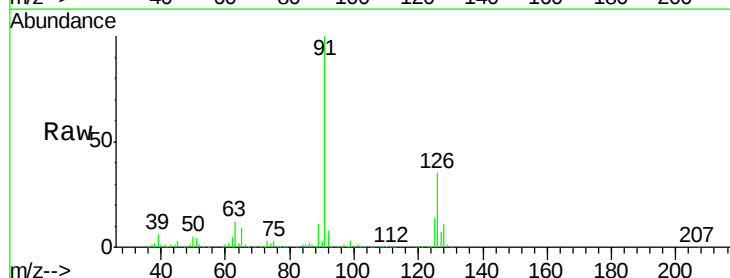
Acq: 9 Jan 2019 19:19

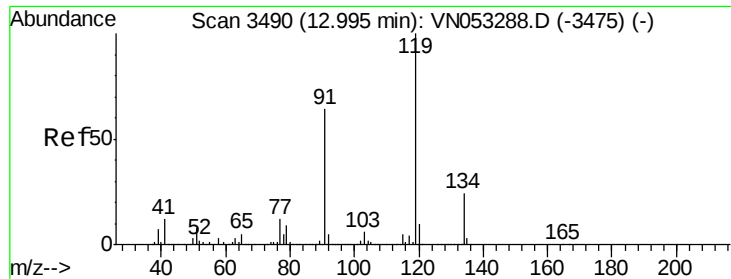
Tgt Ion: 91 Resp: 1599013

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2





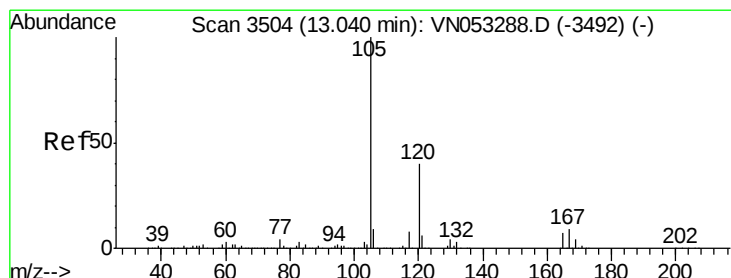
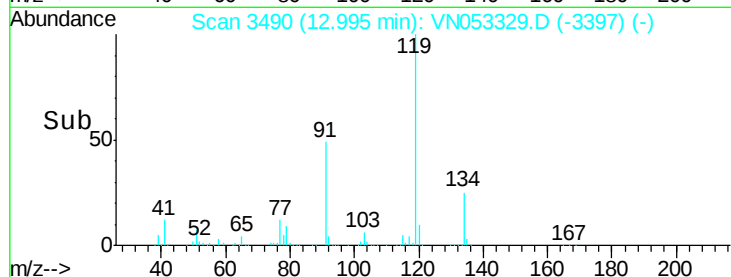
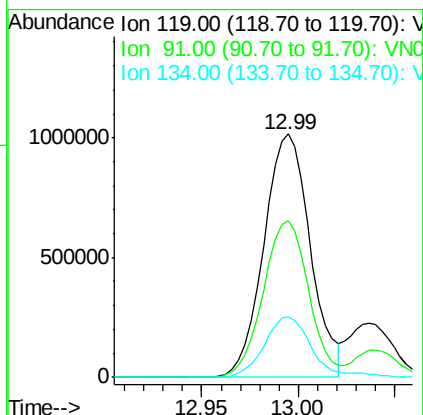
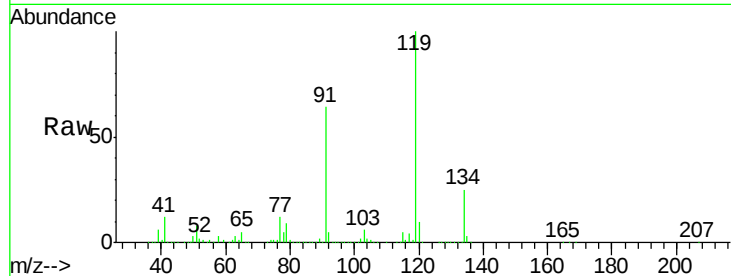
#83
 tert-Butylbenzene
 Concen: 53.407 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
91	63.1	31.6	95.0	
134	25.6	12.9	38.6	

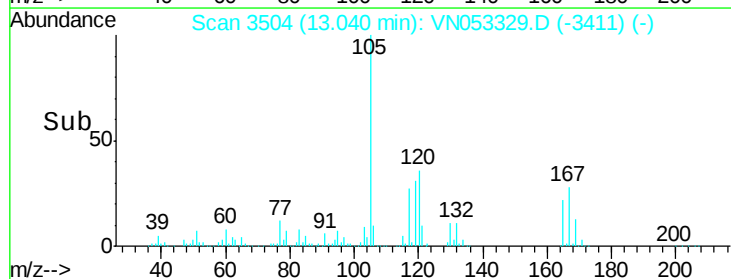
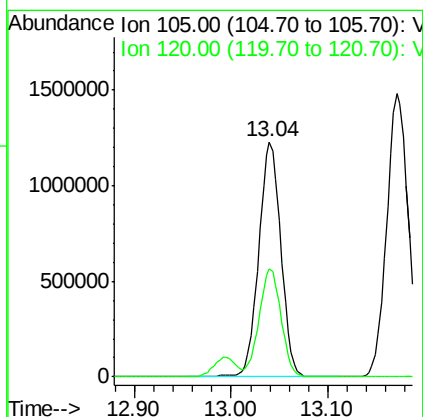
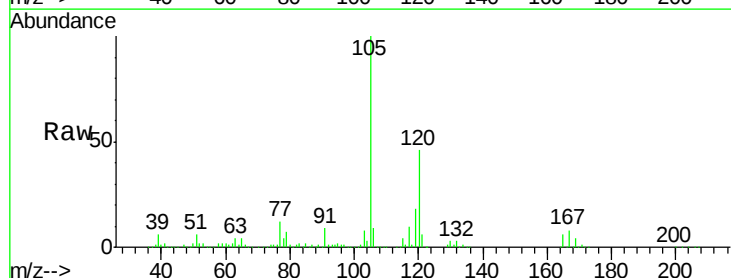
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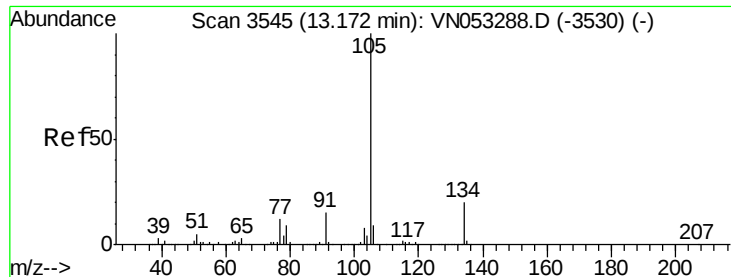
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.770 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	45.9	23.0	69.0	





#85

sec-Butylbenzene

Concen: 54.815 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2294209

Ion Ratio Lower Upper

105 100

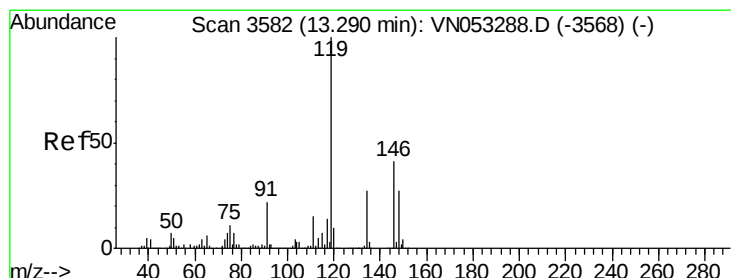
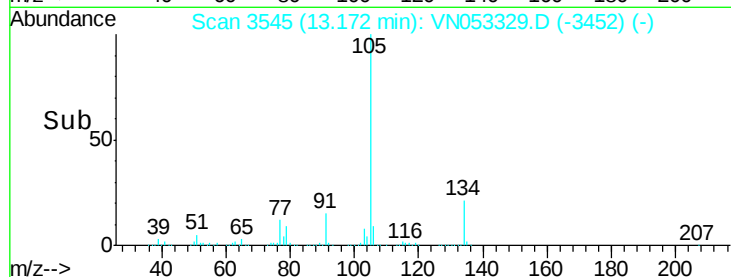
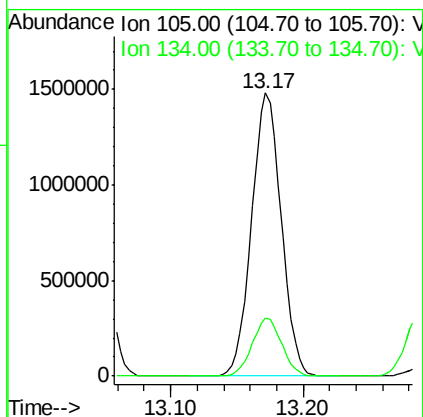
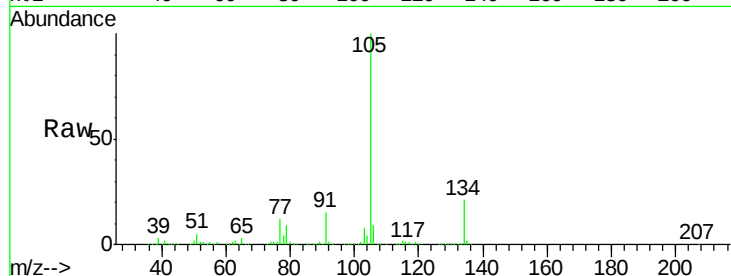
134 20.4 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 55.317 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

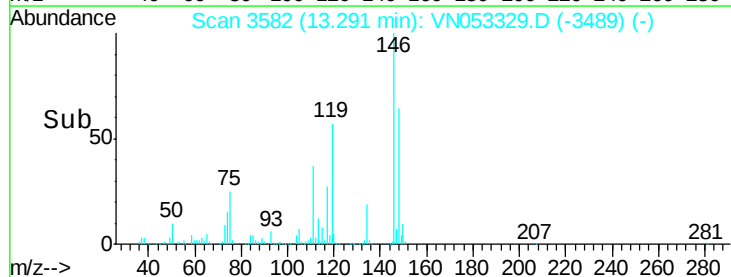
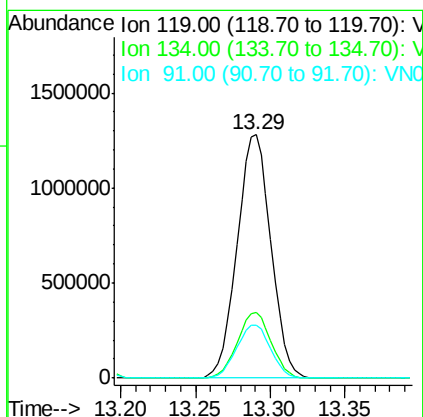
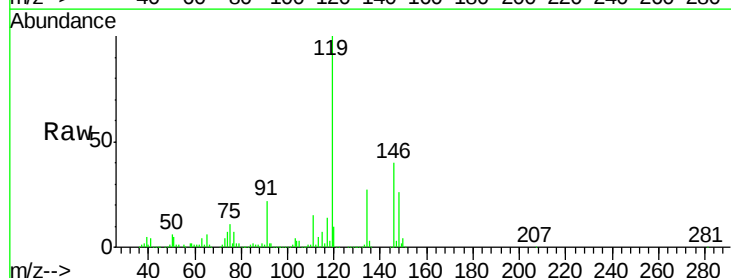
Tgt Ion:119 Resp: 2004528

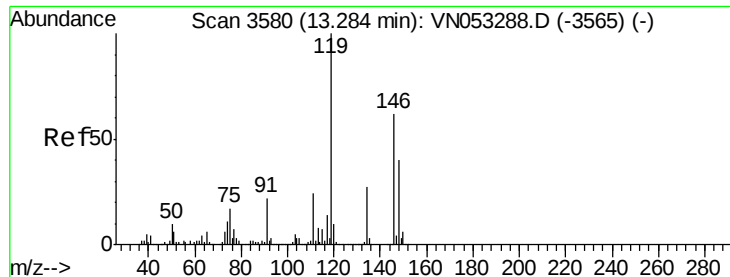
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.1 33.1





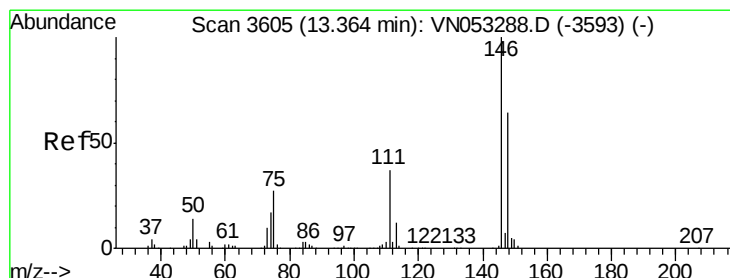
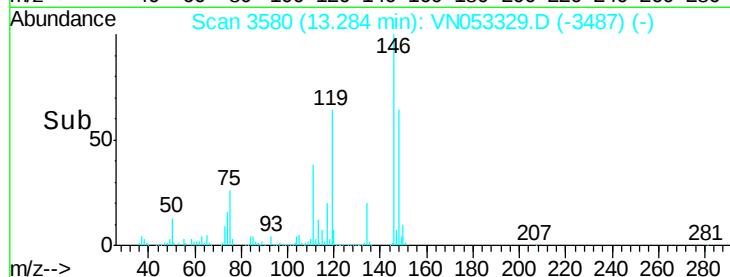
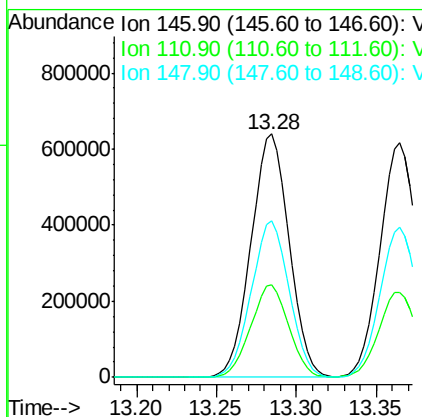
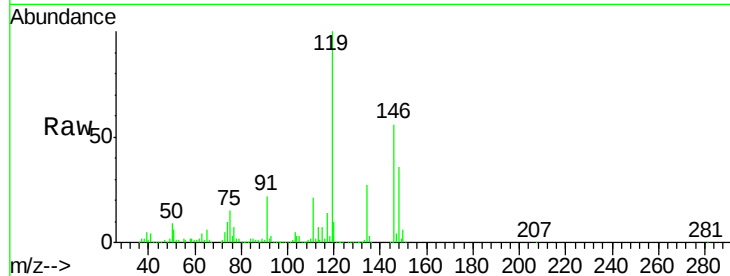
#87
 1,3-Dichlorobenzene
 Concen: 49.500 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1044738
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.5
 148 63.9 32.0 96.2

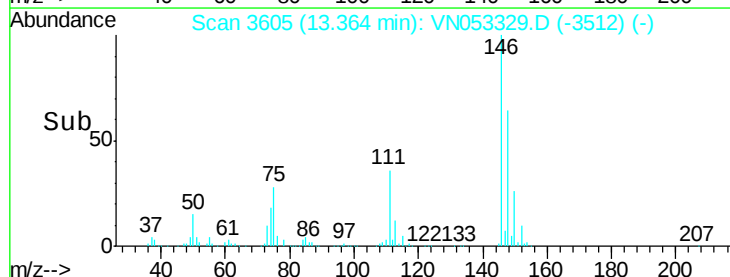
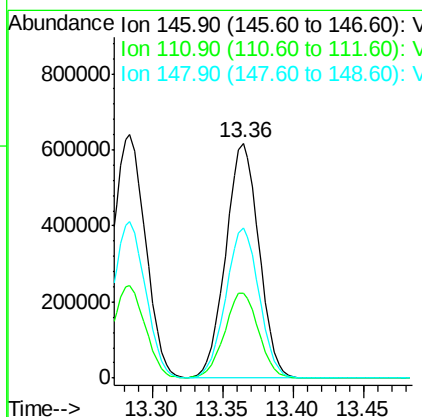
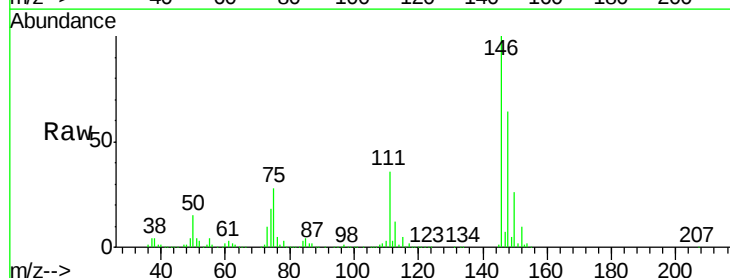
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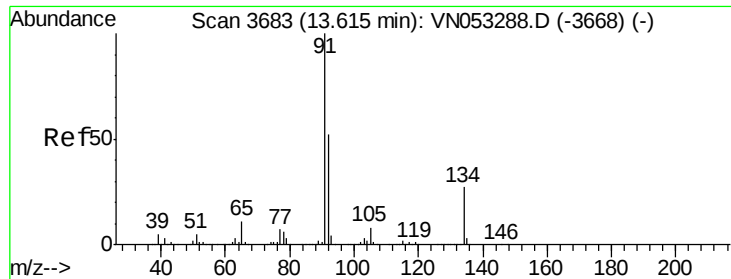
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#88
 1,4-Dichlorobenzene
 Concen: 48.488 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion:146 Resp: 1015172
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.3 32.0 96.0





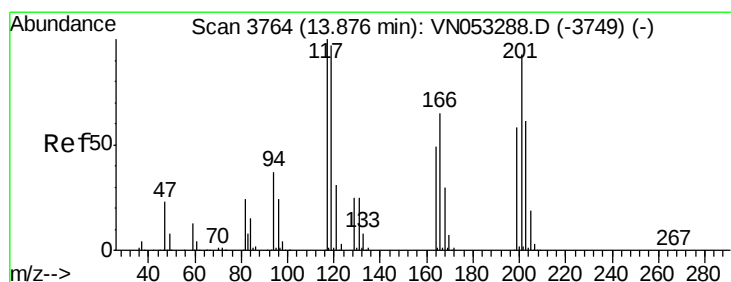
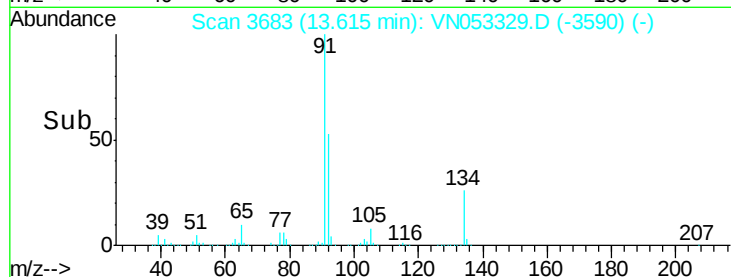
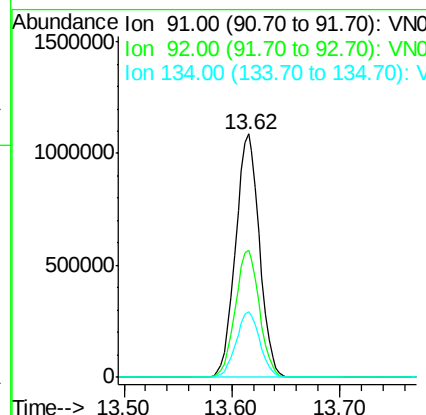
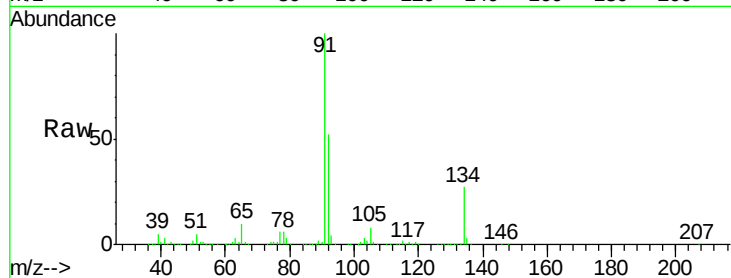
#89
n-Butylbenzene
Concen: 55.193 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1676831
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 26.8 13.5 40.5

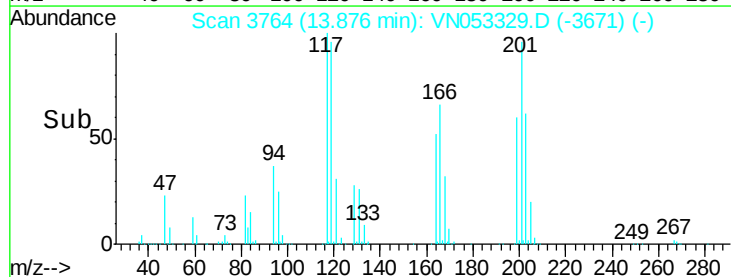
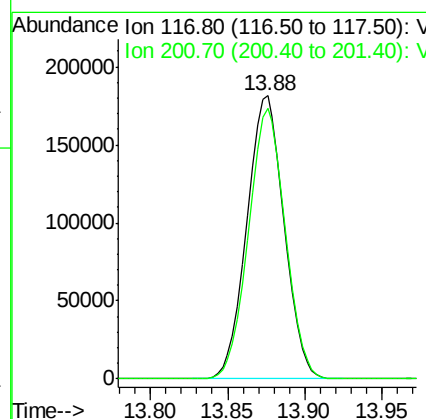
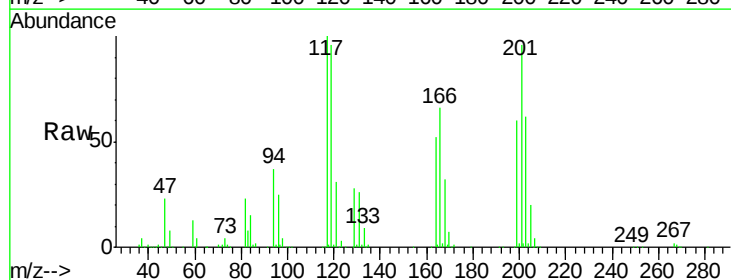
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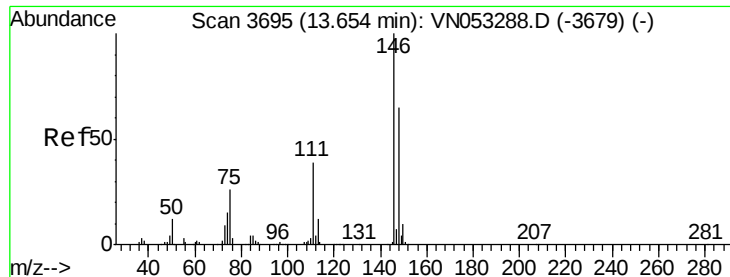
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#90
Hexachloroethane
Concen: 52.298 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 117 Resp: 303753
Ion Ratio Lower Upper
117 100
201 94.4 46.1 138.3





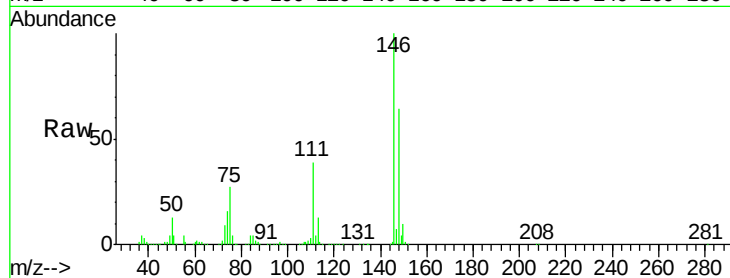
#91
 1,2-Dichlorobenzene
 Concen: 48.325 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

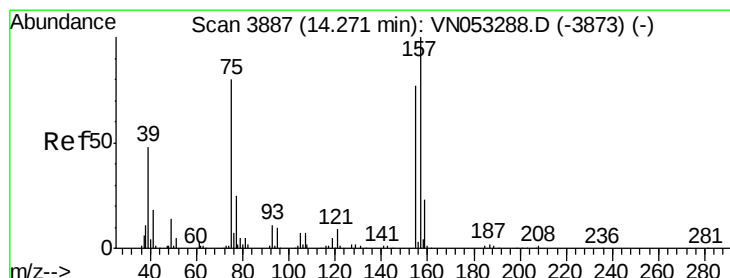
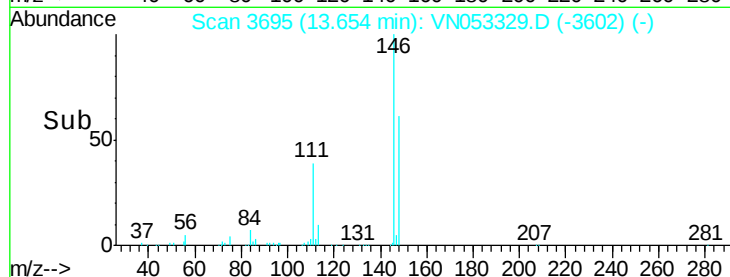
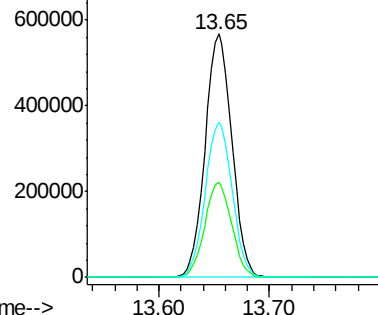
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.1	32.2	96.6

Manual Integrations
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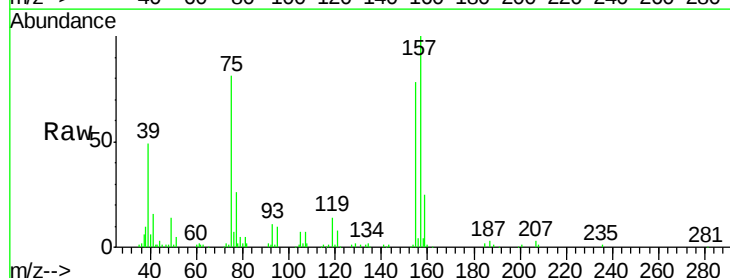


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

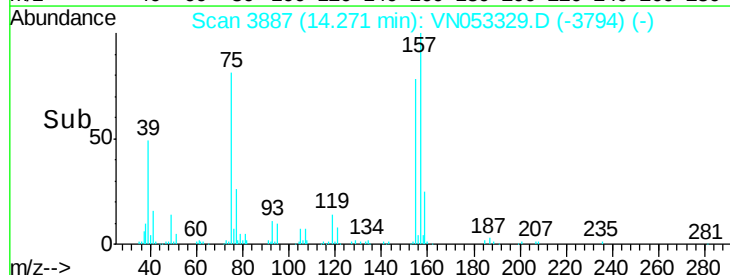
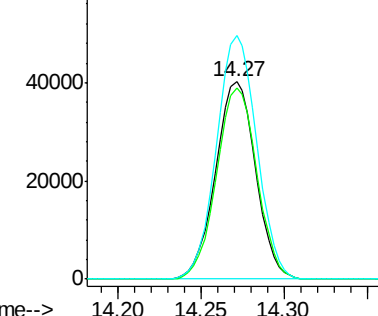


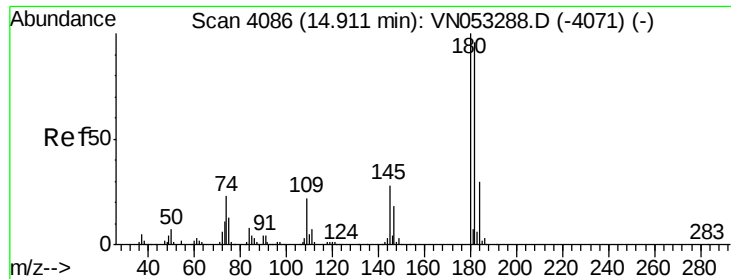
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.102 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	48.1	144.3
157	123.4	61.5	184.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





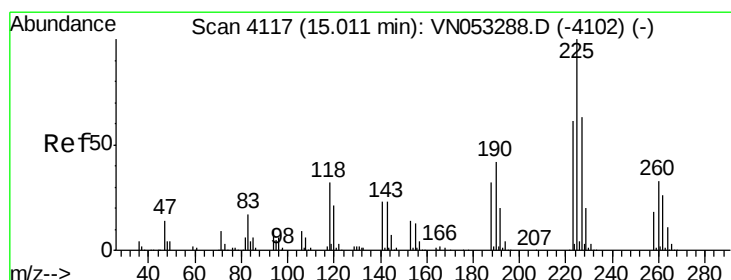
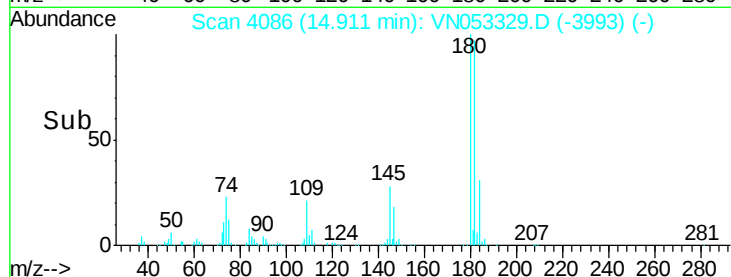
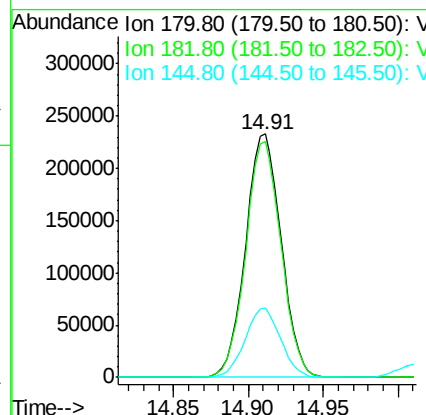
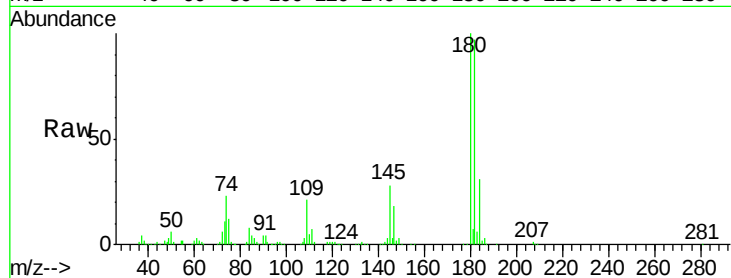
#93
 1,2,4-Trichlorobenzene
 Concen: 62.157 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.8	143.4	
145	28.4	14.4	43.0	

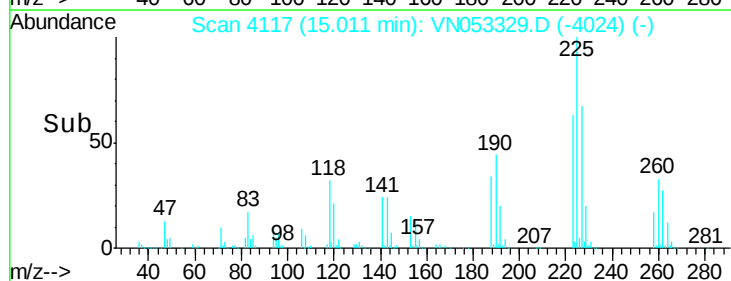
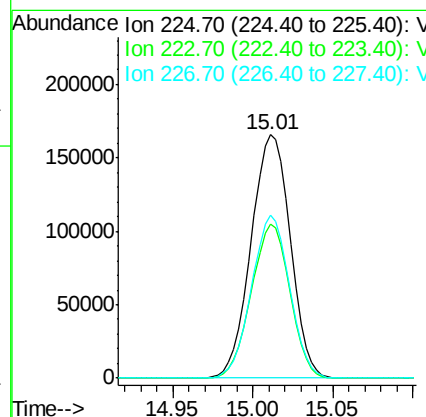
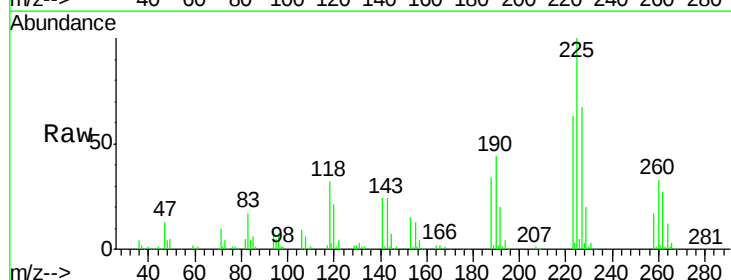
Manual Integrations
 APPROVED

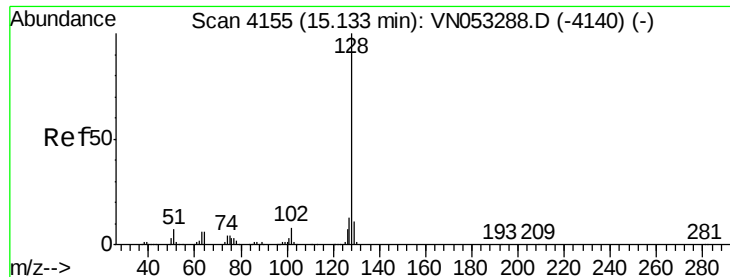
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#94
 Hexachlorobutadiene
 Concen: 54.657 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.9	92.8	
227	64.7	31.4	94.2	





#95

Naphthalene

Concen: 67.318 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

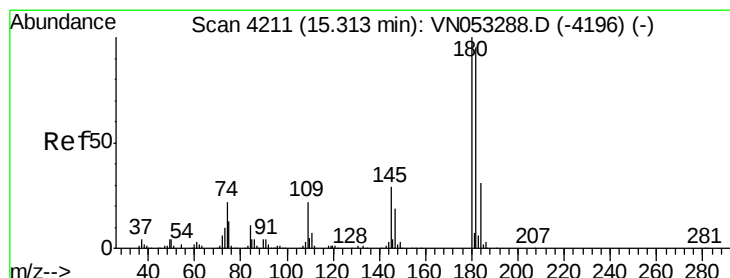
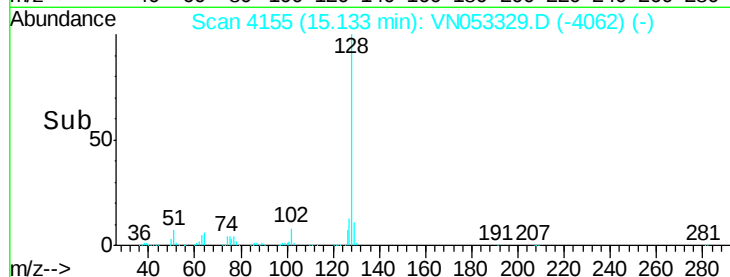
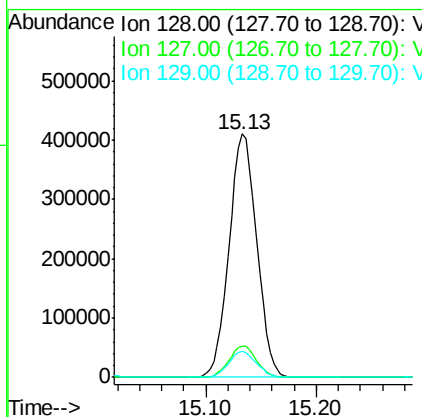
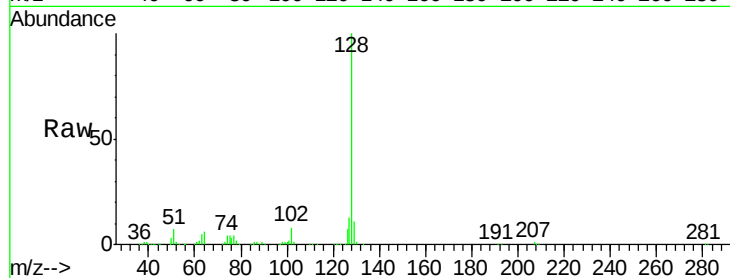
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	713873
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/10/2019 9:25:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 68.794 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion:	180	Resp:	279979
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.4	145.0
145	29.5	14.9	44.5

