

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055288.D
 Acq On : 29 Apr 2019 12:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:14 AM

Quant Time: Apr 30 04:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	717606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	626312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287638	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	231102	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	856808	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	287518	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	285776	51.567	ug/l	100
3) Chloromethane	2.06	50	335689	48.919	ug/l	100
4) Vinyl Chloride	2.19	62	265274	47.957	ug/l	100
5) Bromomethane	2.56	94	149729	51.102	ug/l	96
6) Chloroethane	2.70	64	142203	47.456	ug/l	95
7) Trichlorofluoromethane	3.02	101	374002	47.549	ug/l	99
8) Diethyl Ether	3.41	74	135392	49.200	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	228403	48.764	ug/l	99
10) Methyl Iodide	3.96	142	336400	51.034	ug/l	99
11) Tert butyl alcohol	4.79	59	85528	252.458	ug/l	97
12) 1,1-Dichloroethene	3.74	96	221467	49.566	ug/l	98
13) Acrolein	3.61	56	62256	235.305	ug/l	98
14) Allyl chloride	4.33	41	463775	50.117	ug/l	99
15) Acrylonitrile	4.99	53	473459	248.632	ug/l	99
16) Acetone	3.82	43	460003	249.493	ug/l	100
17) Carbon Disulfide	4.06	76	590212	50.616	ug/l	99
18) Methyl Acetate	4.33	43	228370	50.864	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	632551	50.358	ug/l	99
20) Methylene Chloride	4.55	84	257659	45.784	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	231500	48.922	ug/l	95
22) Diisopropyl ether	5.95	45	926338	50.381	ug/l	99
23) Vinyl Acetate	5.90	43	3254712	270.088	ug/l	100
24) 1,1-Dichloroethane	5.85	63	477806	48.773	ug/l	99
25) 2-Butanone	6.84	43	612568	259.792	ug/l	99
26) 2,2-Dichloropropane	6.82	77	349284	51.632	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	270446	50.257	ug/l	99
28) Bromochloromethane	7.20	49	240414	48.685	ug/l	100
29) Tetrahydrofuran	7.21	42	383300	253.868	ug/l	99
30) Chloroform	7.37	83	452429	48.718	ug/l	99
31) Cyclohexane	7.65	56	446404	47.961	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	376277	49.924	ug/l	98
36) 1,1-Dichloropropene	7.79	75	337713	49.132	ug/l	99
37) Ethyl Acetate	6.93	43	260164	49.386	ug/l	99
38) Carbon Tetrachloride	7.77	117	321104	48.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	375559	51.390	ug/l	98
40) Benzene	8.04	78	1005889	49.642	ug/l	99
41) Methacrylonitrile	7.17	41	132251	46.439	ug/l	93
42) 1,2-Dichloroethane	8.12	62	349021	48.633	ug/l	100
43) Isopropyl Acetate	8.16	43	441330	52.130	ug/l #	88
44) Trichloroethene	8.83	130	252490	48.879	ug/l	100
45) 1,2-Dichloropropane	9.12	63	287179	49.140	ug/l	99
46) Dibromomethane	9.21	93	156258	48.916	ug/l	99
47) Bromodichloromethane	9.40	83	342140	49.926	ug/l	99
48) Methyl methacrylate	9.20	41	211769	50.883	ug/l	97
49) 1,4-Dioxane	9.20	88	45759	1063.595	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1230884	258.237	ug/l	99
52) Toluene	10.16	92	595248	51.199	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	332592	55.906	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	401593	54.142	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	215603	49.940	ug/l	99
56) Ethyl methacrylate	10.43	69	297291	55.946	ug/l	98
57) 1,3-Dichloropropane	10.71	76	383121	50.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	409544	248.418	ug/l	99
59) 2-Hexanone	10.75	43	799763	268.168	ug/l	99
60) Dibromochloromethane	10.90	129	238179	53.979	ug/l	100
61) 1,2-Dibromoethane	11.00	107	207703	52.050	ug/l	99
64) Tetrachloroethene	10.63	164	231774	45.252	ug/l	99
65) Chlorobenzene	11.43	112	608191	49.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233548	48.708	ug/l	100
67) Ethyl Benzene	11.51	91	1123389	50.804	ug/l	99
68) m/p-Xylenes	11.62	106	815673	103.343	ug/l	100
69) o-Xylene	11.95	106	395923	50.609	ug/l	99
70) Styrene	11.96	104	662456	55.151	ug/l	100
71) Bromoform	12.13	173	144973	54.489	ug/l #	99
73) Isopropylbenzene	12.25	105	1068940	51.671	ug/l	100
74) N-amyl acetate	12.07	43	341720	51.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	265289	51.489	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	229223m	47.195	ug/l	
77) Bromobenzene	12.53	156	257474	51.891	ug/l	98
78) n-propylbenzene	12.59	91	1209447	45.194	ug/l	100
79) 2-Chlorotoluene	12.67	91	732140	51.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	887608	43.459	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63063	45.873	ug/l	95
82) 4-Chlorotoluene	12.77	91	711631	45.735	ug/l	100
83) tert-Butylbenzene	12.99	119	755518	52.401	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	862538	47.220	ug/l	99
85) sec-Butylbenzene	13.17	105	982710	44.268	ug/l	99
86) p-Isopropyltoluene	13.29	119	867682	47.555	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	427069	48.988	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	406223	49.480	ug/l	99
89) n-Butylbenzene	13.61	91	702876	54.213	ug/l	99
90) Hexachloroethane	13.87	117	147101	50.948	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	415663	48.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37587	54.840	ug/l	98

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QLast Update : Tue Apr 30 04:20:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175764	51.493	ug/l	99
94) Hexachlorobutadiene	15.01	225	143595	55.539	ug/l	99
95) Naphthalene	15.13	128	373471	51.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	174812	52.001	ug/l	99

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

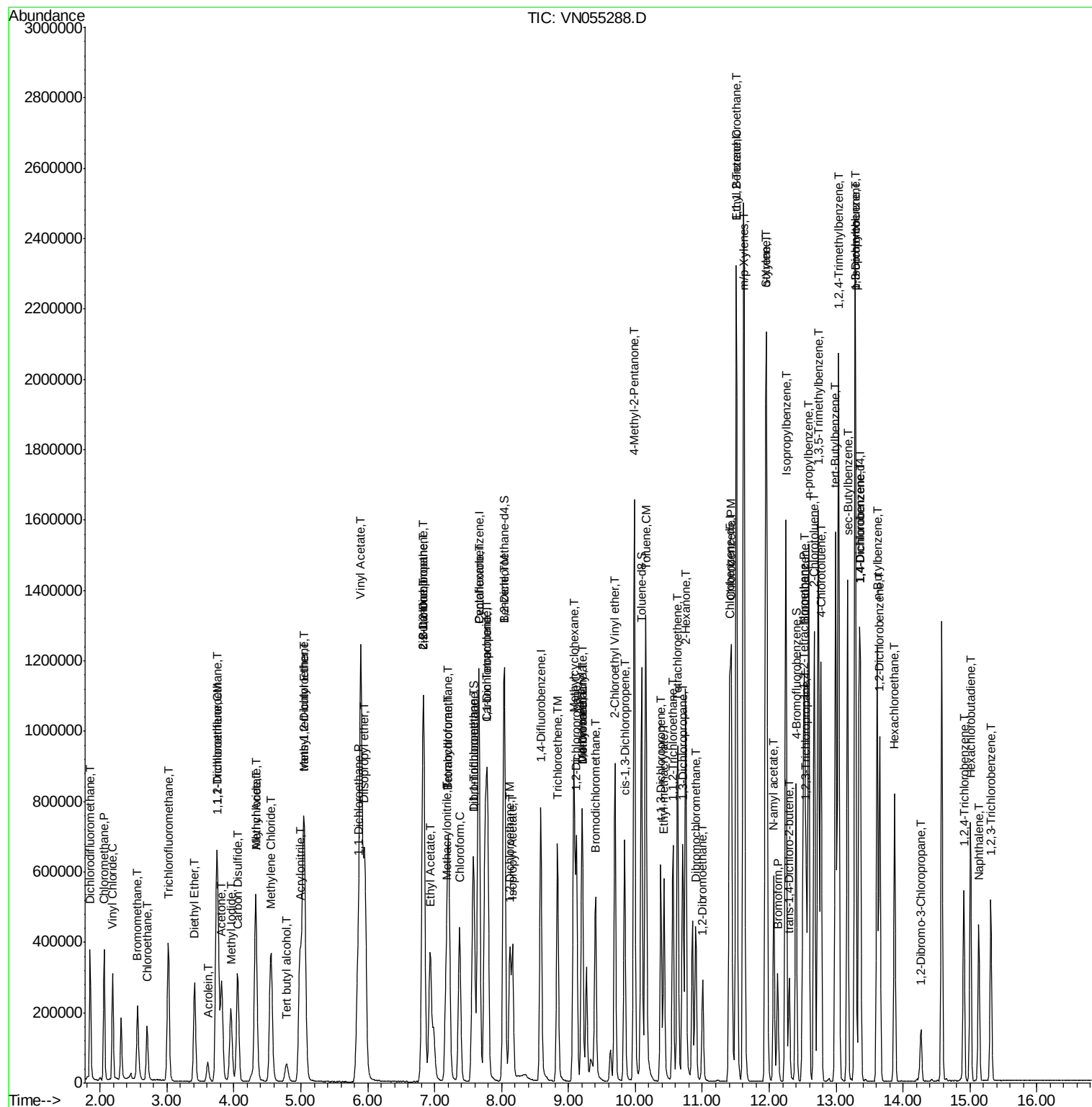
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 Data File : VN055288.D
 Acq On : 29 Apr 2019 12:23
 Operator : JC/SP
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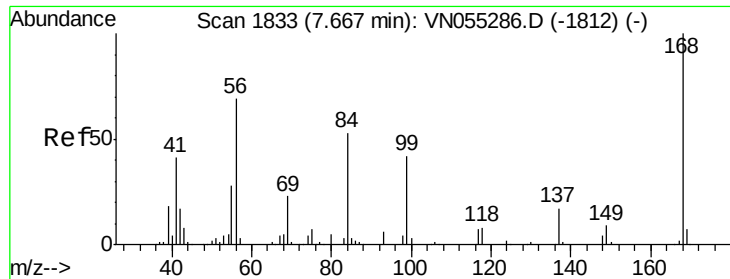
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN042919

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion:168 Resp: 452314

Ion Ratio Lower Upper

168 100

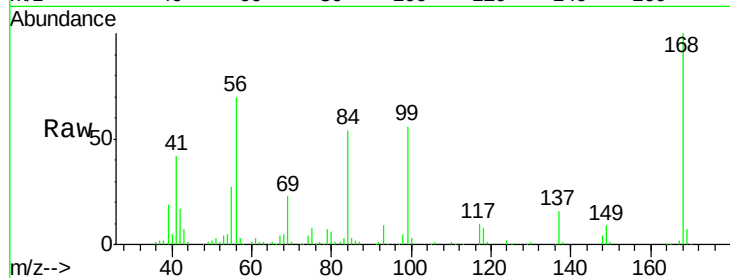
99 54.6 43.6 65.4

Manual Integrations

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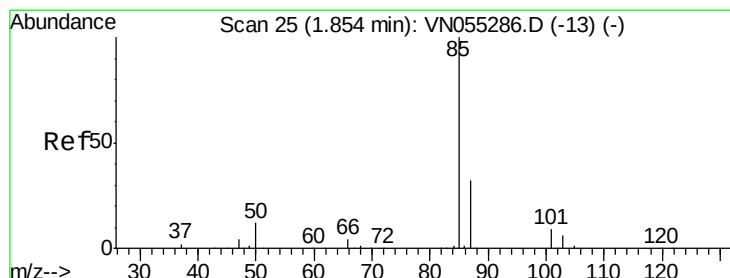
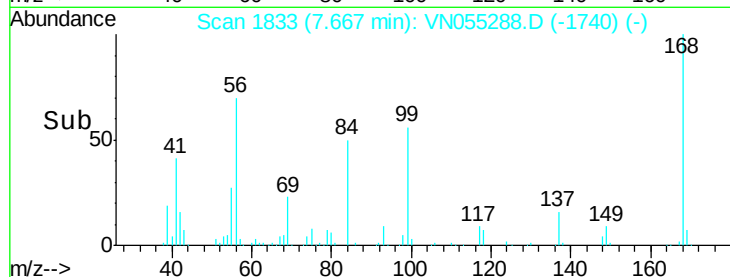
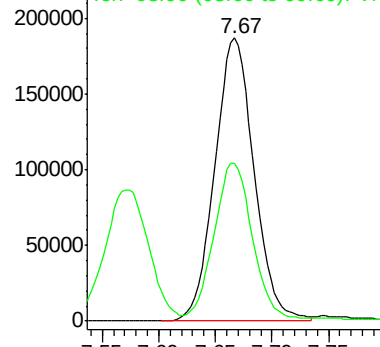
MMDadoda

4/30/2019 11:59:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 51.567 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055288.D

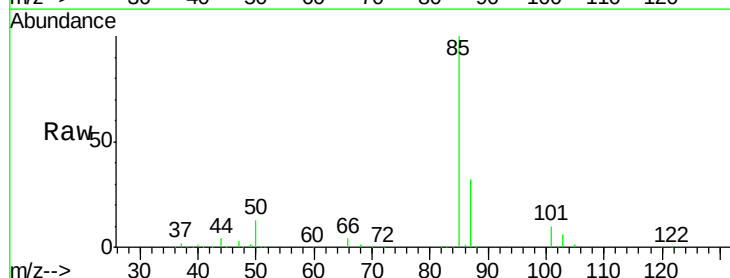
Acq: 29 Apr 2019 12:23

Tgt Ion: 85 Resp: 285776

Ion Ratio Lower Upper

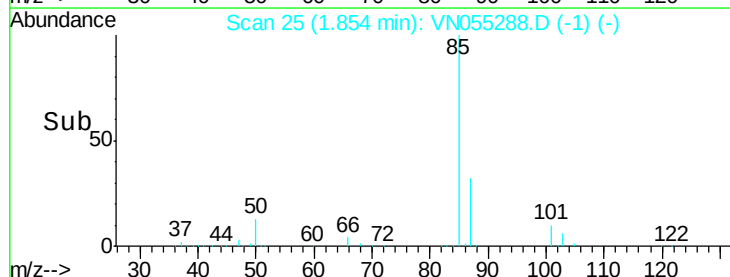
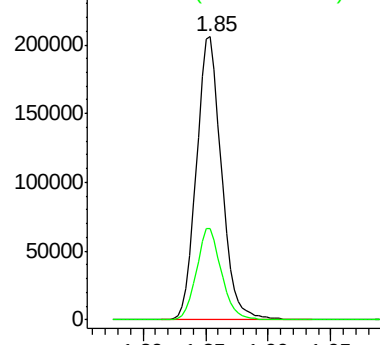
85 100

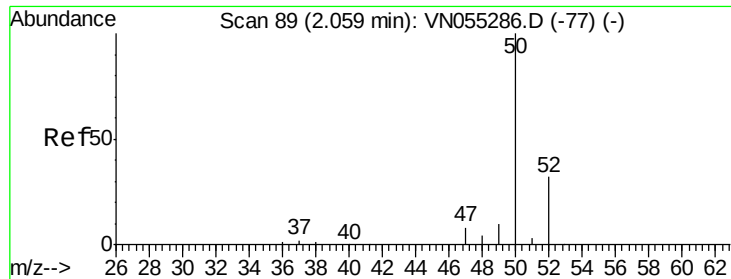
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 48.919 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion: 50 Resp: 335689

Ion Ratio Lower Upper

50 100

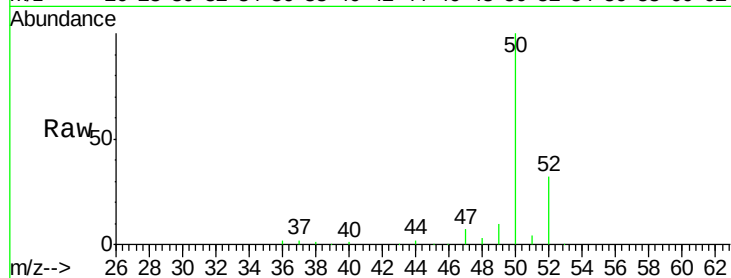
52 32.4 25.7 38.5

Manual Integrations

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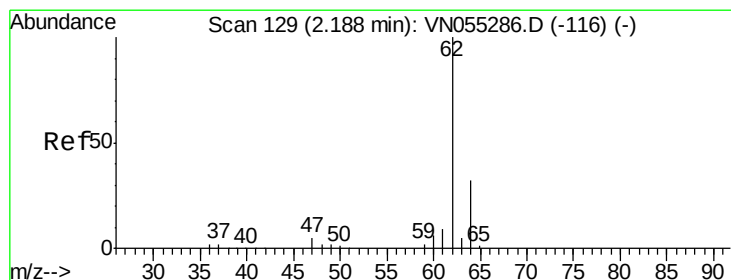
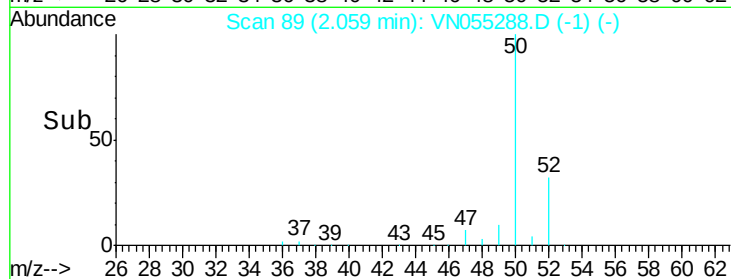
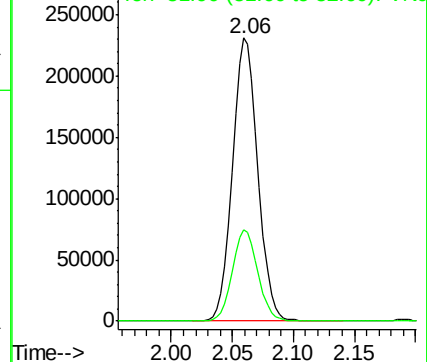
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.957 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055288.D

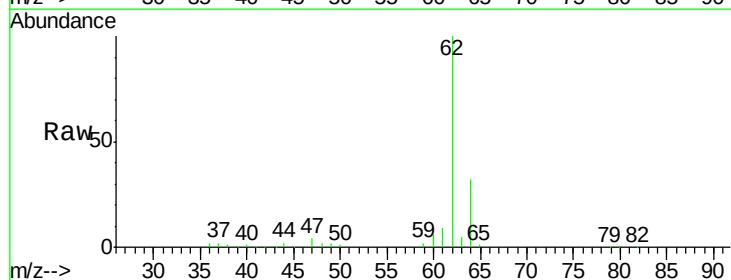
Acq: 29 Apr 2019 12:23

Tgt Ion: 62 Resp: 265274

Ion Ratio Lower Upper

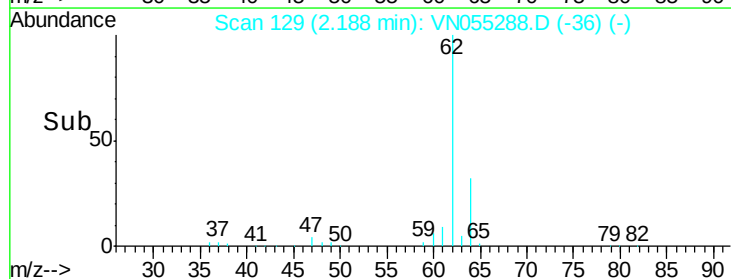
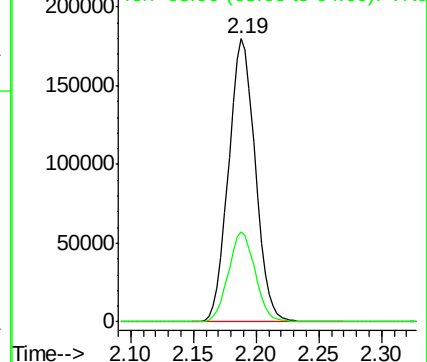
62 100

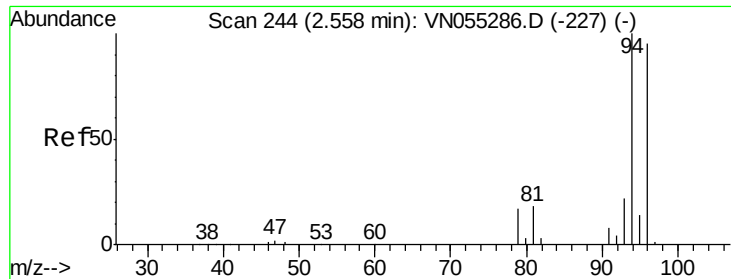
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 51.102 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

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Tot Ion: 94 Resp: 149729

Ion Ratio Lower Upper

94 100

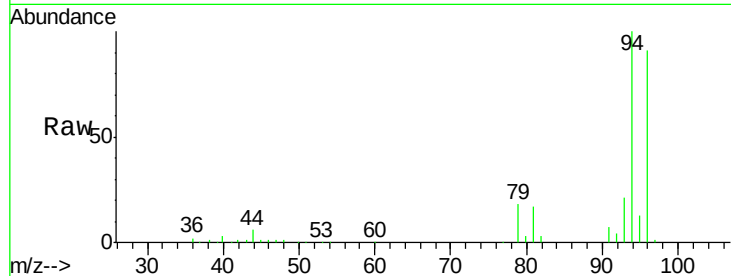
96 91.2 76.0 114.0

Manual Integrations

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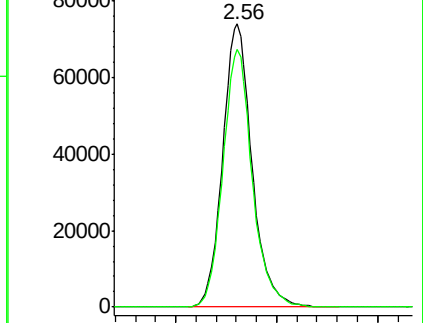
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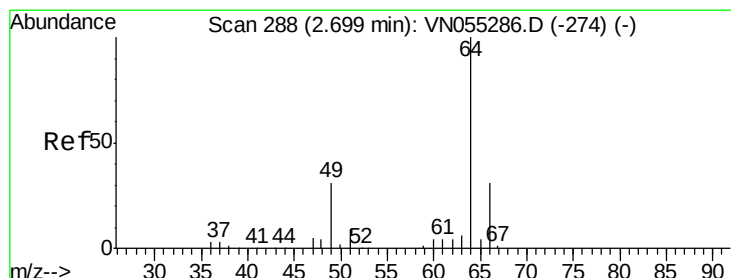
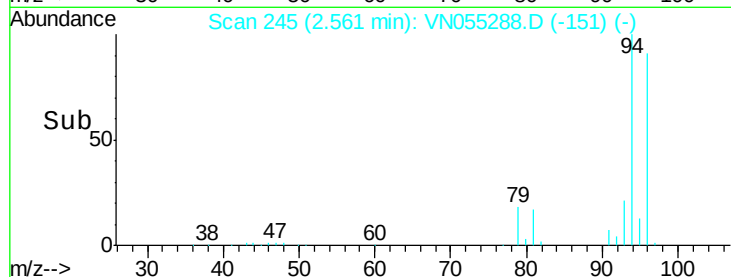


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 47.456 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055288.D

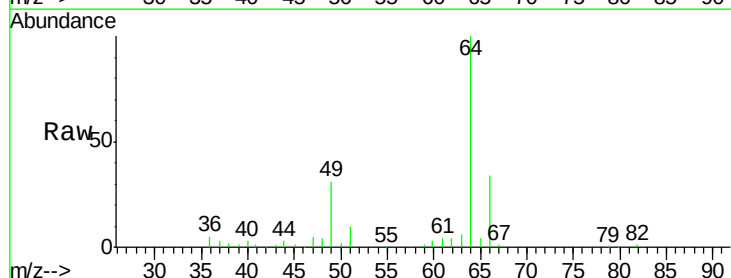
Acq: 29 Apr 2019 12:23

Tgt Ion: 64 Resp: 142203

Ion Ratio Lower Upper

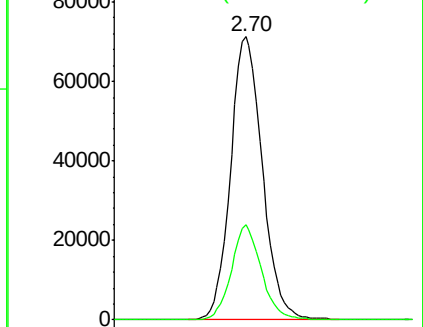
64 100

66 33.8 25.0 37.4

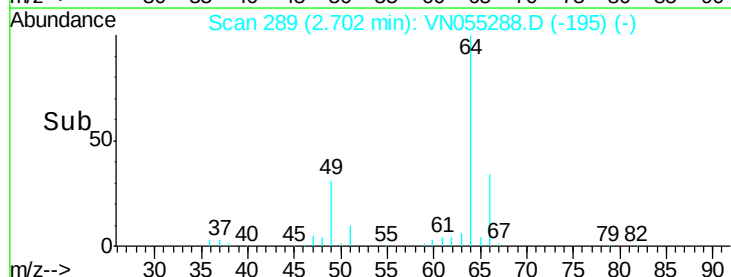


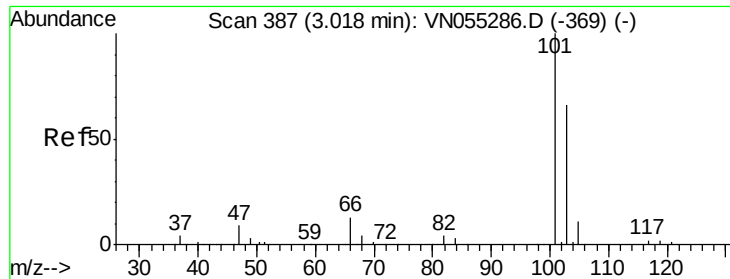
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

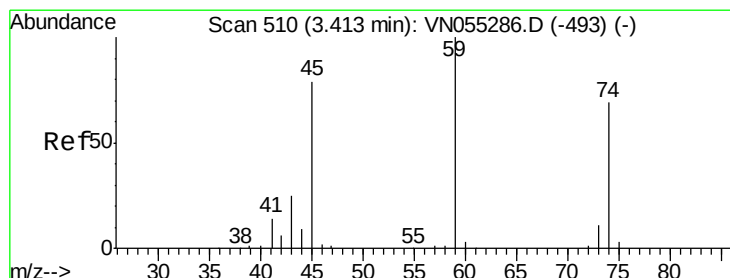
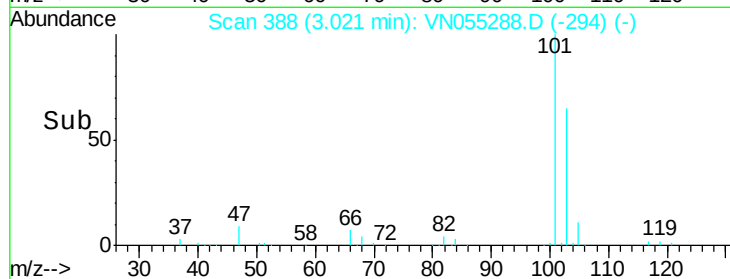
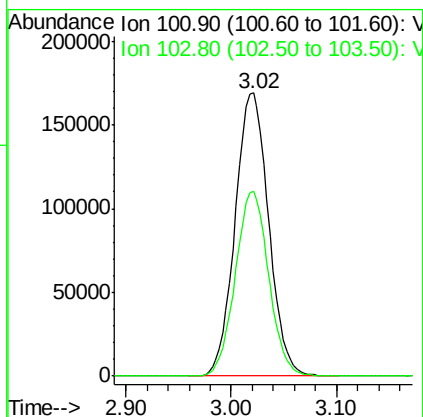
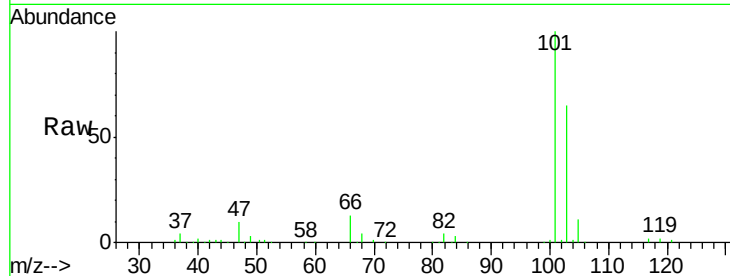
Trichlorofluoromethane
 Concen: 47.549 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055288.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.6	79.0

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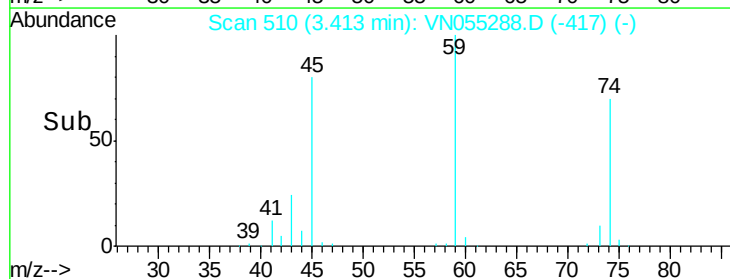
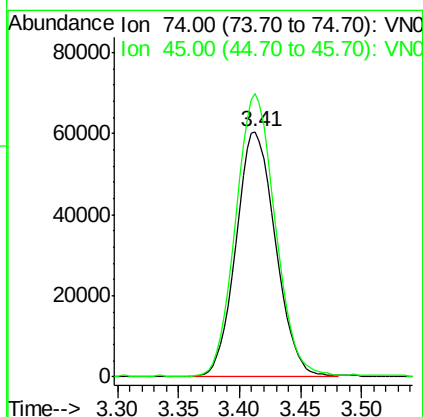
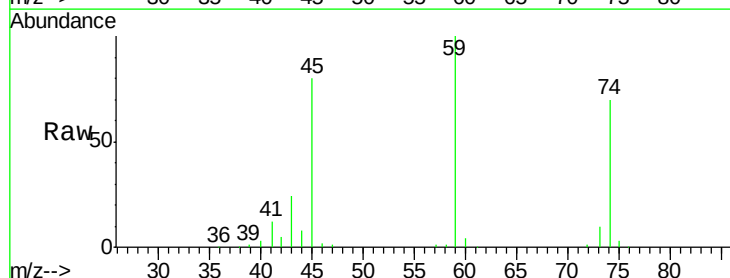
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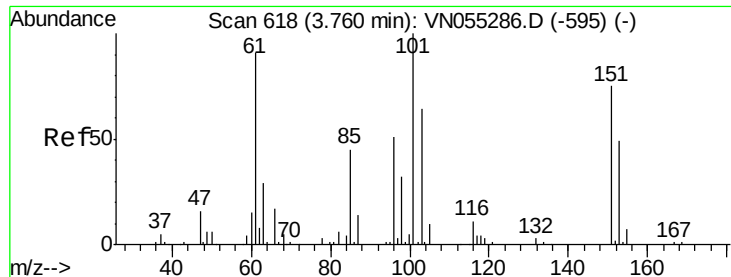


#8

Diethyl Ether
 Concen: 49.200 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.1	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.764 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

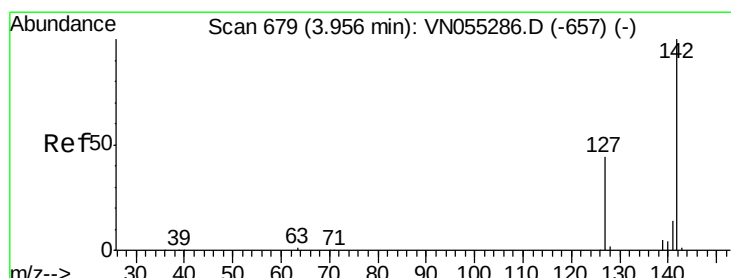
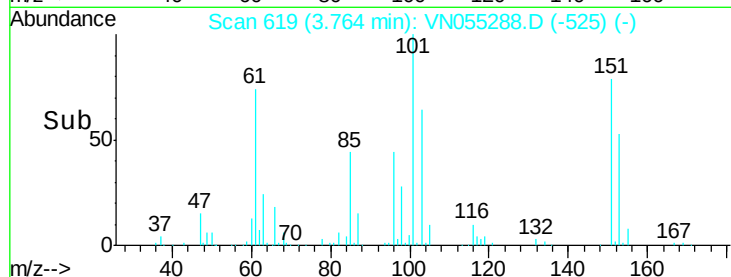
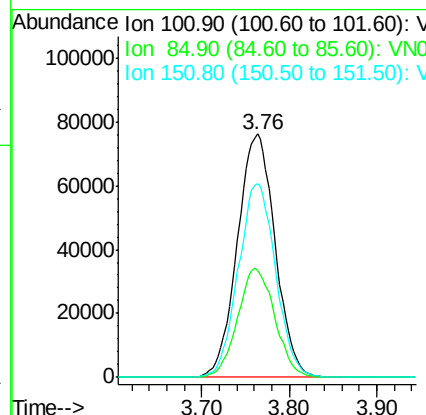
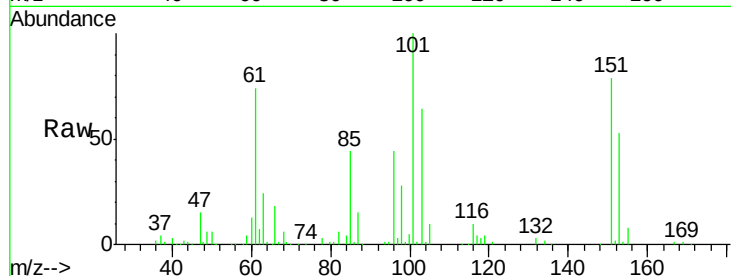
ClientSampled :

ICVVN042919

Tot Ion:	101	Resp:	228403
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.7	53.5
151	78.8	63.3	94.9

Manual Integrations
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4/30/2019 11:59:14 AM



#10

Methyl Iodide

Concen: 51.034 ug/l

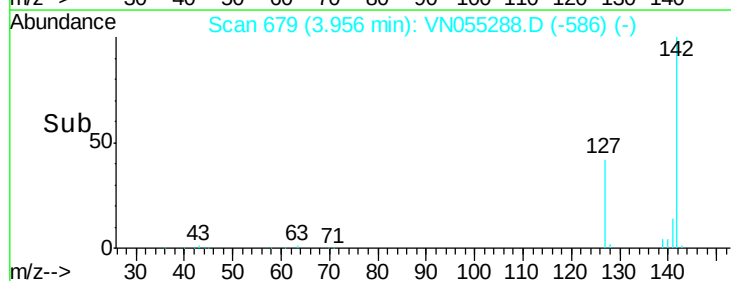
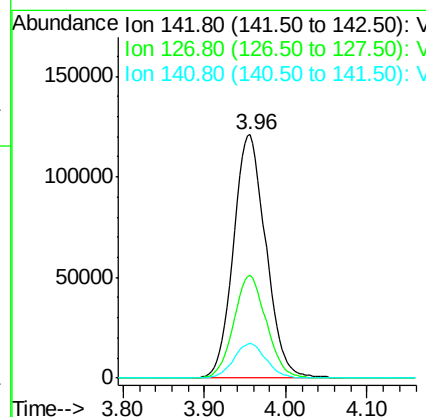
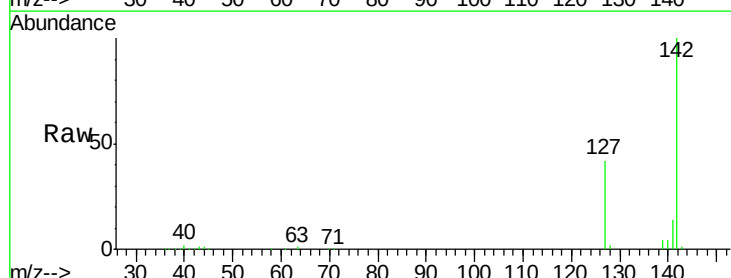
RT: 3.96 min Scan# 679

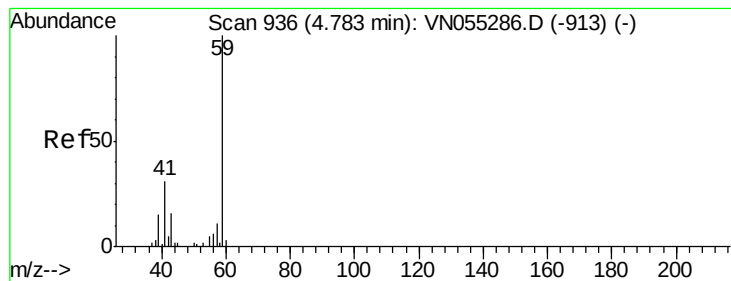
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	142	Resp:	336400
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.4	51.6
141	14.2	11.5	17.3





#11

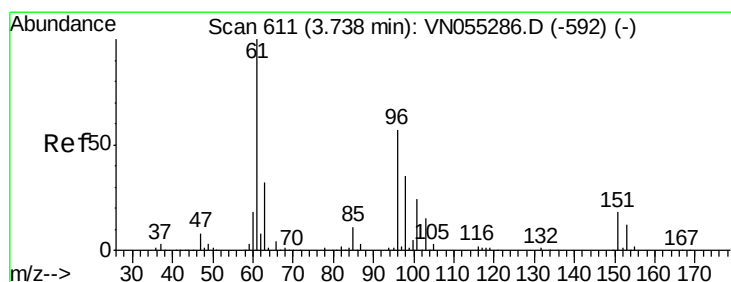
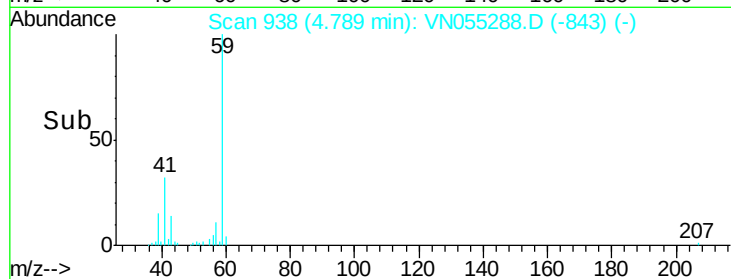
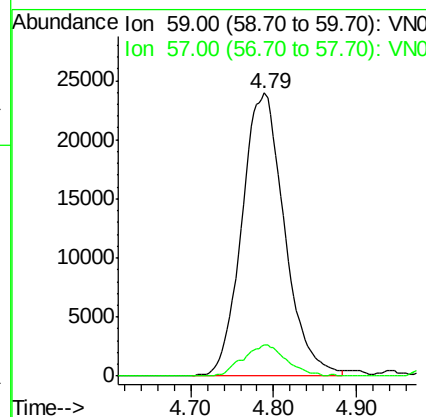
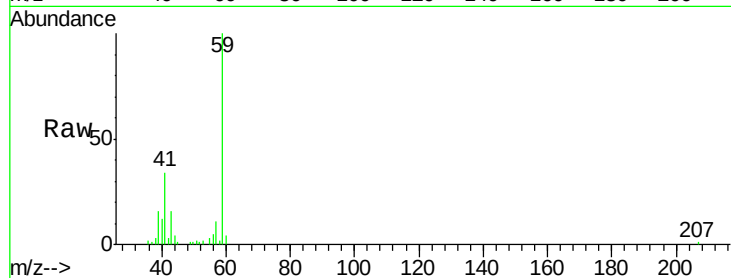
Tert butyl alcohol
 Concen: 252.458 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2

Manual Integrations
 APPROVED

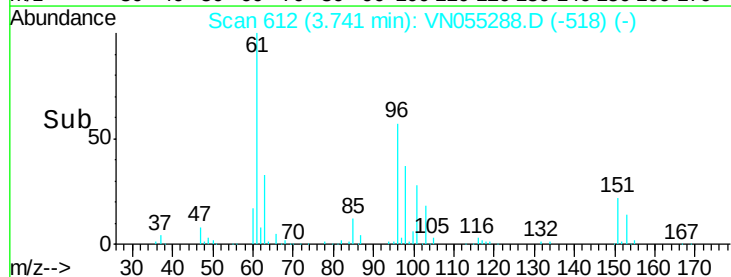
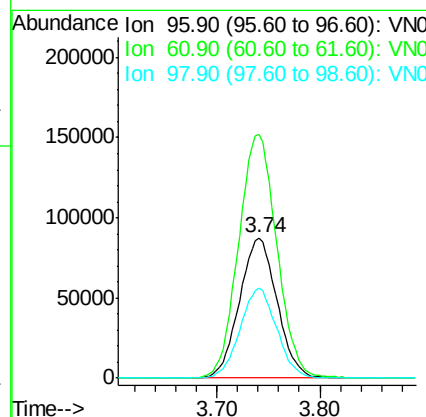
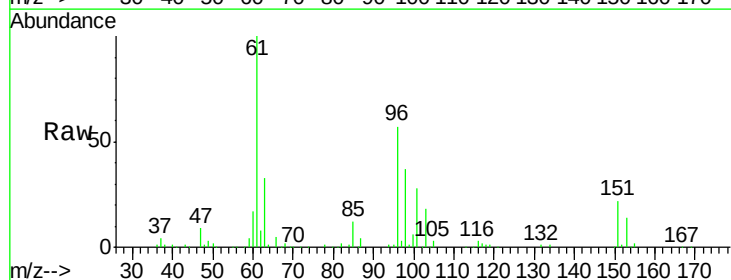
MMDadoda
 4/30/2019 11:59:14 AM

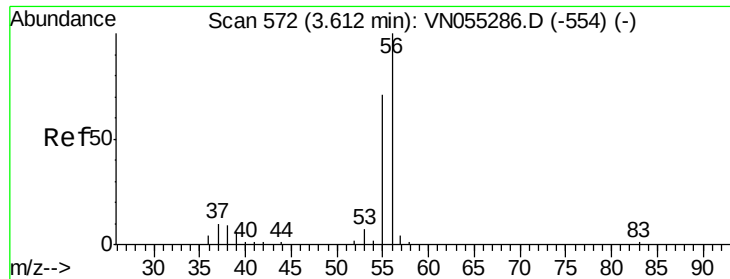


#12

1,1-Dichloroethene
 Concen: 49.566 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	140.9	211.3
98	64.3	50.0	75.0





#13

Acrolein

Concen: 235.305 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion: 56 Resp: 62256

Ion Ratio Lower Upper

56 100

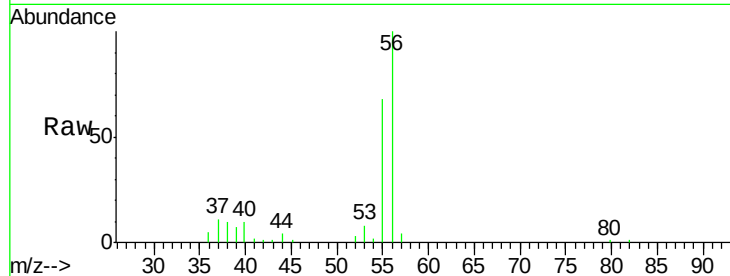
55 73.7 57.4 86.2

Manual Integrations

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MMDadoda

4/30/2019 11:59:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

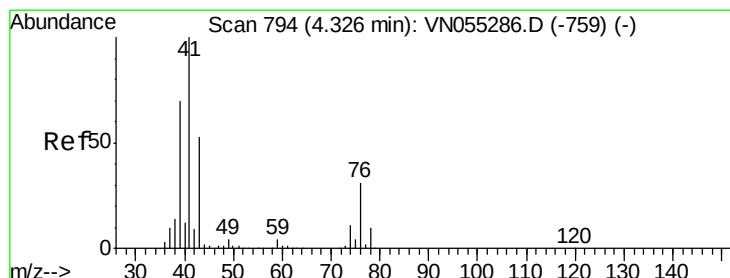
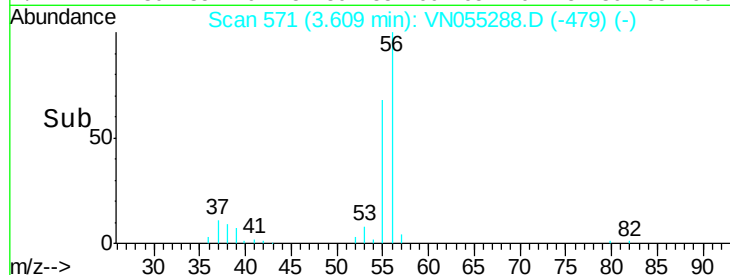
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 50.117 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

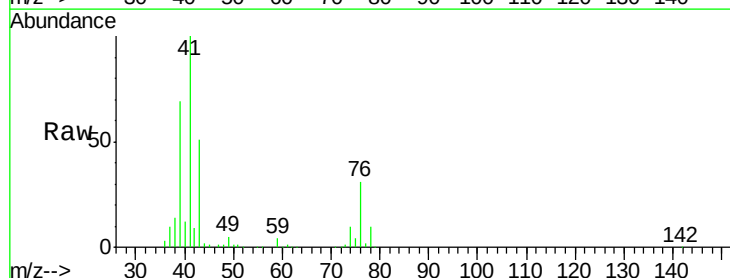
Tgt Ion: 41 Resp: 463775

Ion Ratio Lower Upper

41 100

39 65.6 53.0 79.6

76 28.9 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

200000

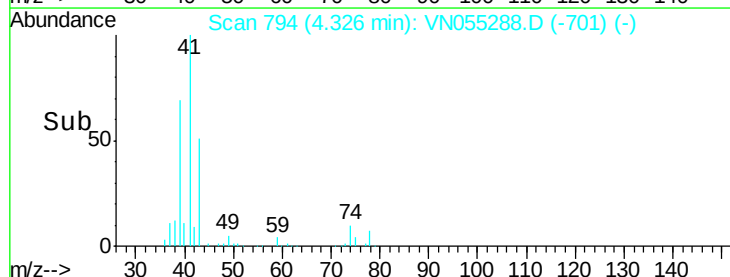
150000

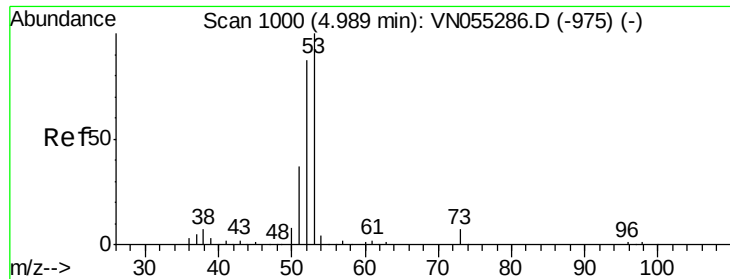
100000

50000

0

Time-->





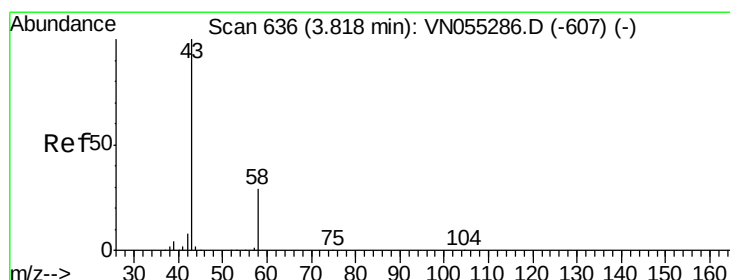
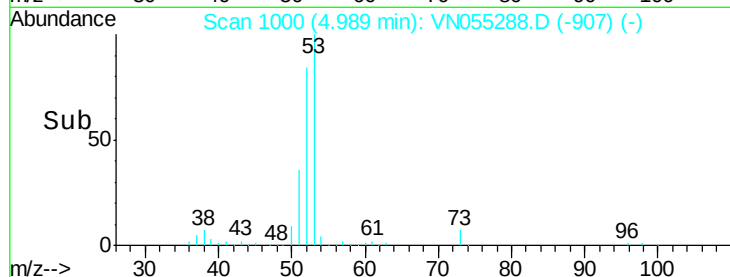
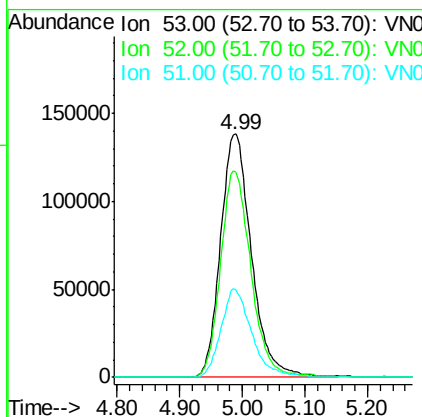
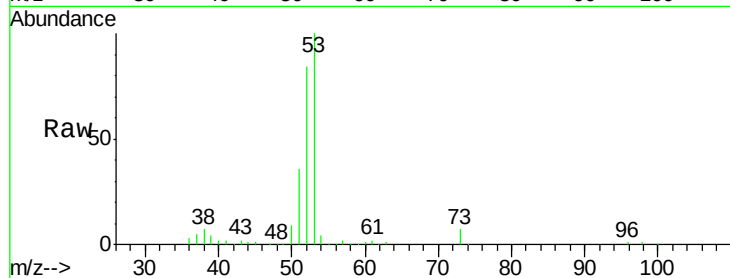
#15
 Acrylonitrile
 Concen: 248.632 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	36.1	29.6	44.4

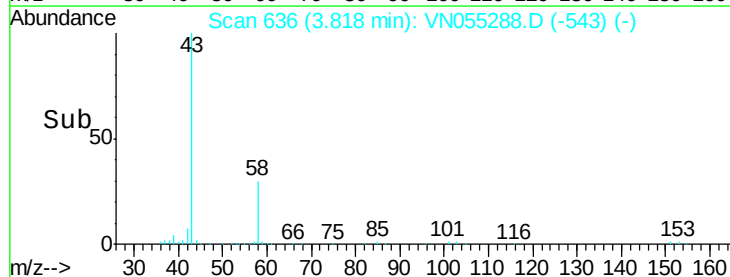
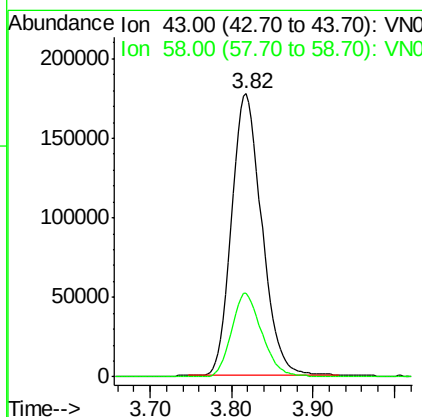
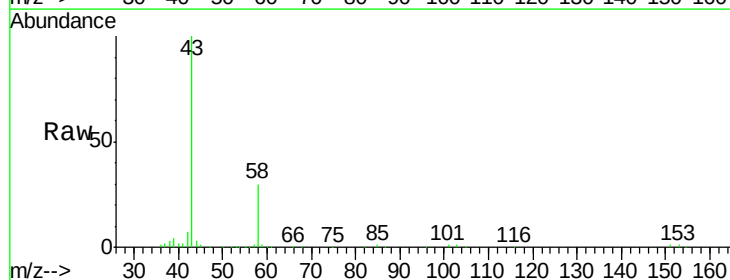
Manual Integrations
 APPROVED

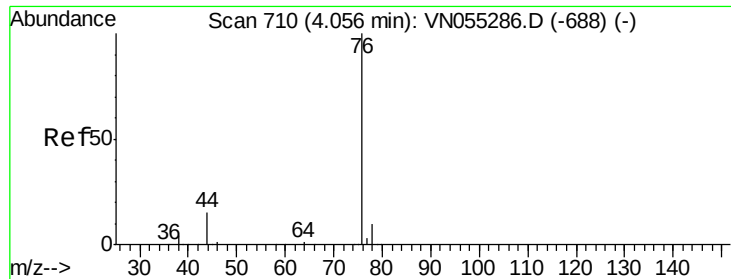
MMDadoda
 4/30/2019 11:59:14 AM



#16
 Acetone
 Concen: 249.493 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





#17

Carbon Disulfide

Concen: 50.616 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion: 76 Resp: 590212

Ion Ratio Lower Upper

76 100

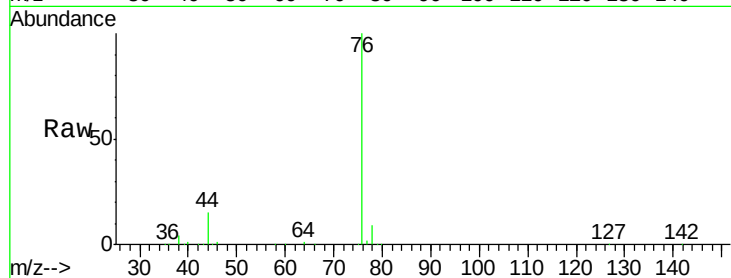
78 9.1 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:59:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

250000

200000

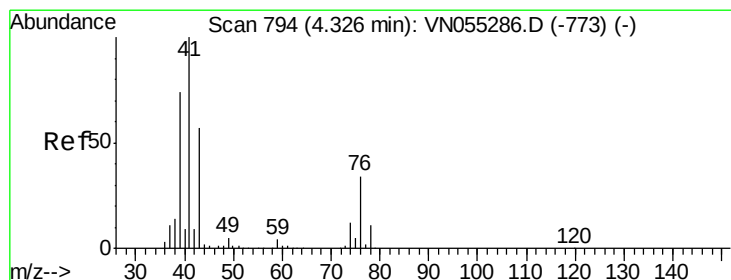
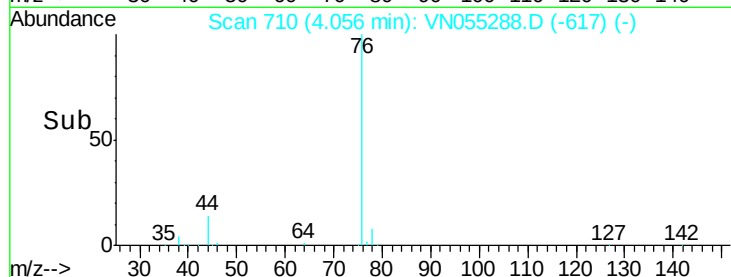
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.864 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055288.D

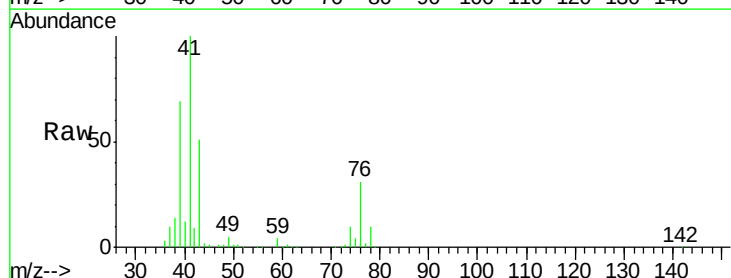
Acq: 29 Apr 2019 12:23

Tgt Ion: 43 Resp: 228370

Ion Ratio Lower Upper

43 100

74 19.6 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

80000

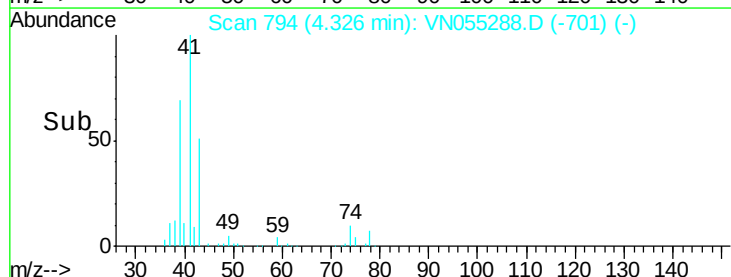
60000

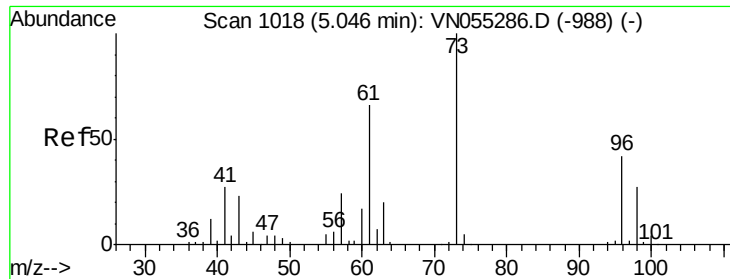
40000

20000

0

Time-->





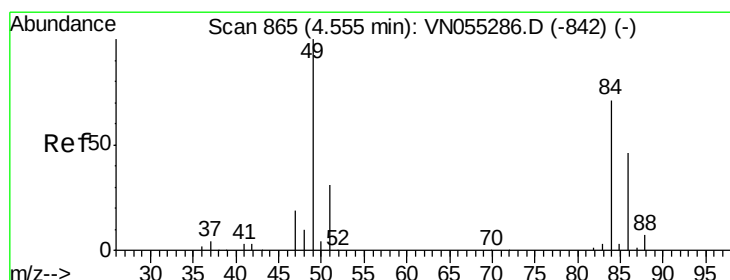
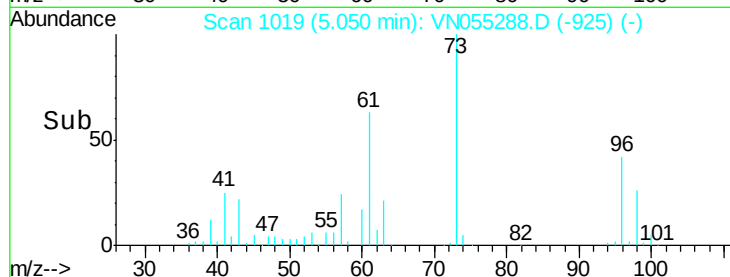
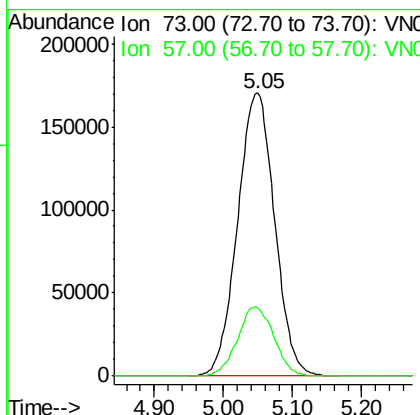
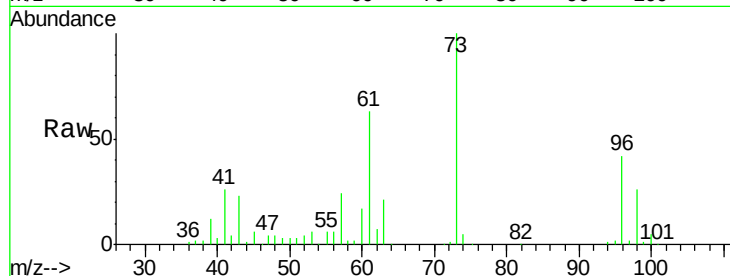
#19
Methyl tert-butyl Ether
Concen: 50.358 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN042919

Tot Ion: 73 Resp: 632551
Ion Ratio Lower Upper
73 100
57 24.3 19.1 28.7

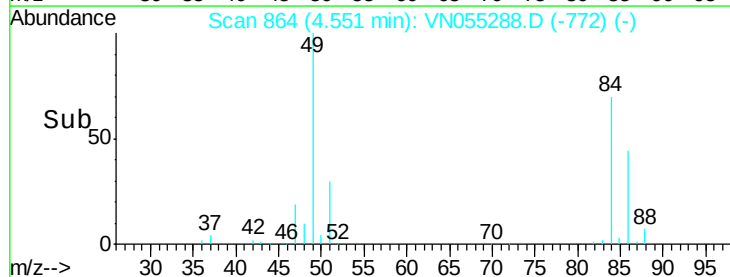
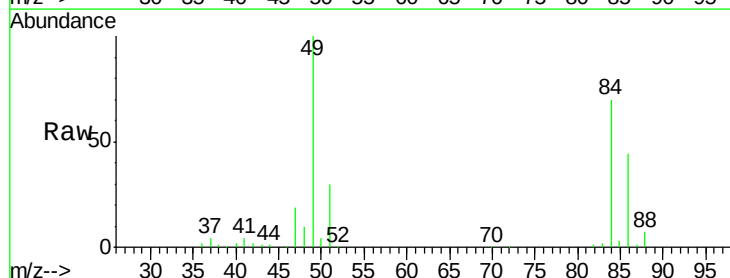
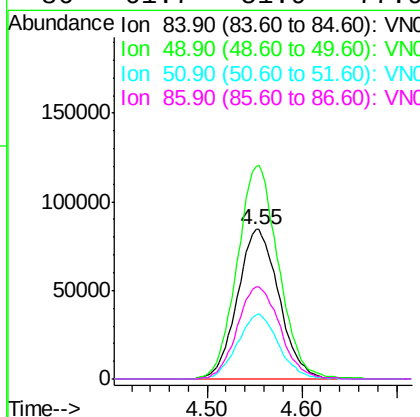
Manual Integrations
APPROVED

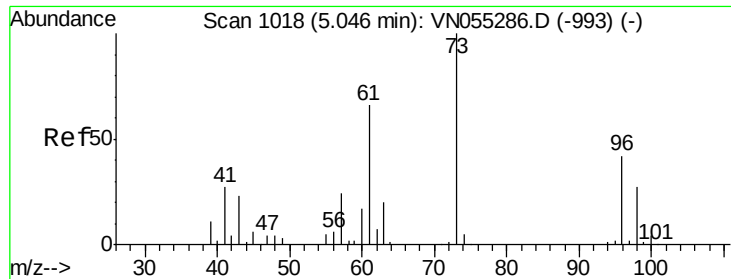
MMDadoda
4/30/2019 11:59:14 AM



#20
Methylene Chloride
Concen: 45.784 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 84 Resp: 257659
Ion Ratio Lower Upper
84 100
49 141.9 112.4 168.6
51 42.9 34.6 51.8
86 61.7 51.9 77.9





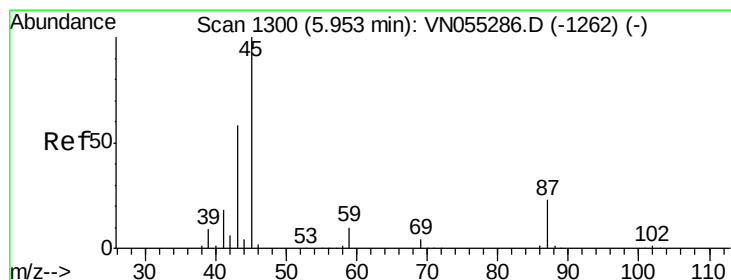
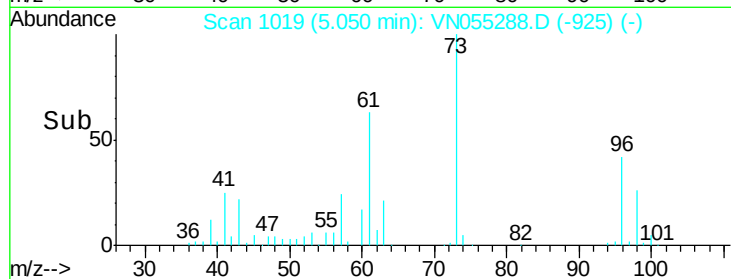
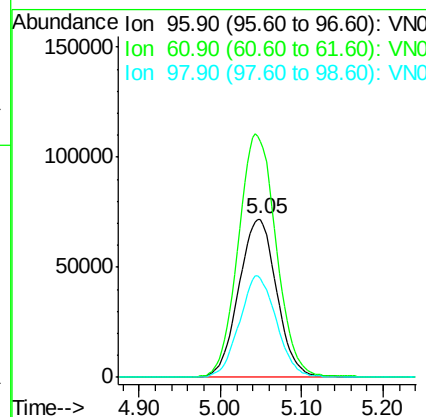
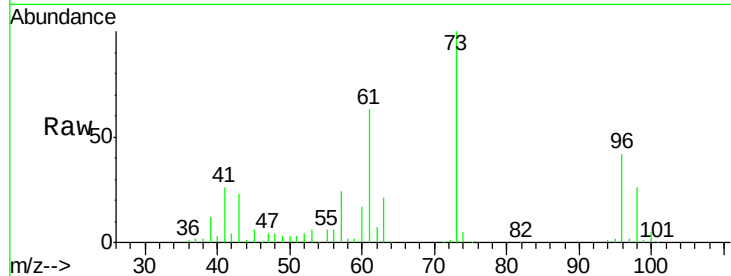
#21
trans-1,2-Dichloroethene
Concen: 48.922 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	126.2	189.4
98	62.7	52.2	78.2

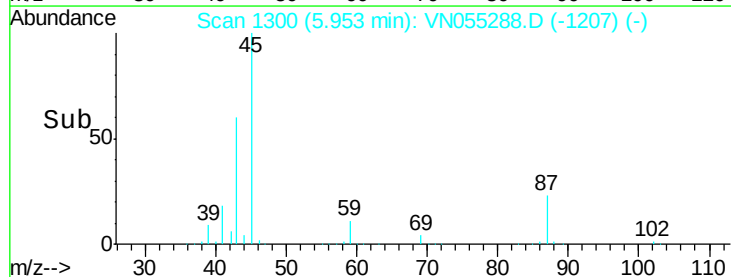
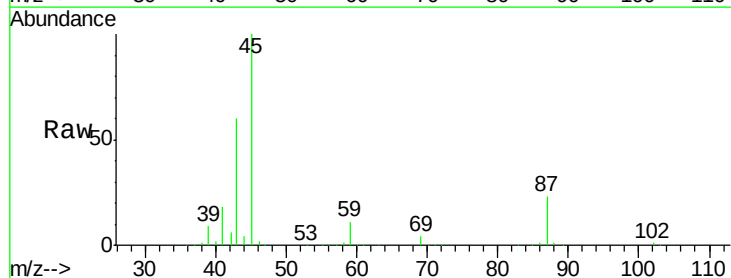
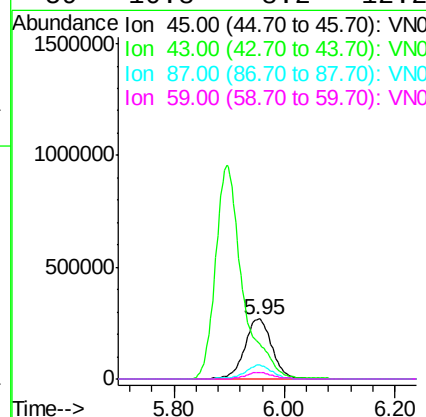
Manual Integrations
APPROVED

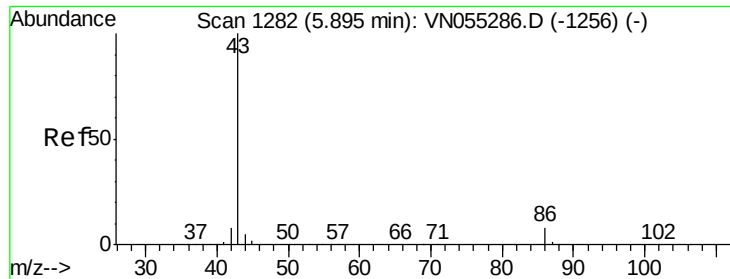
MMDadoda
4/30/2019 11:59:14 AM



#22
Diisopropyl ether
Concen: 50.381 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	46.6	70.0
87	22.7	18.1	27.1
59	10.8	8.2	12.2





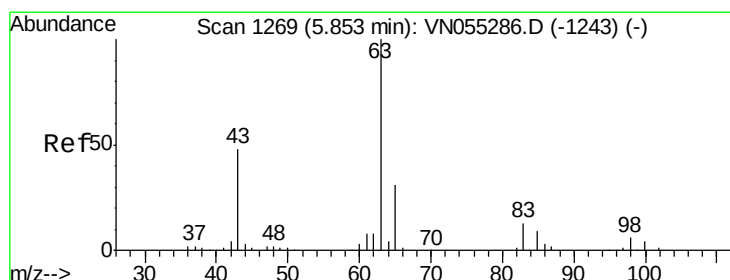
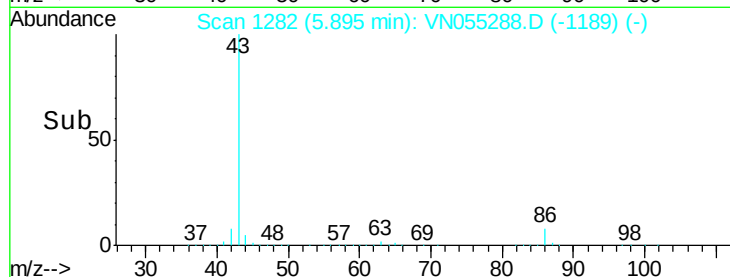
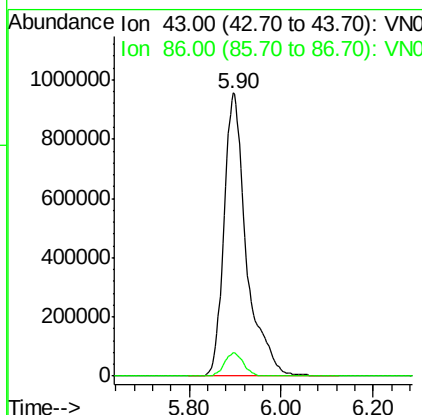
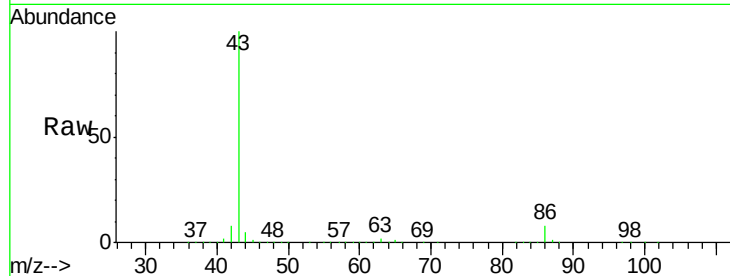
#23
 Vinyl Acetate
 Concen: 270.088 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion: 43 Resp: 3254712
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

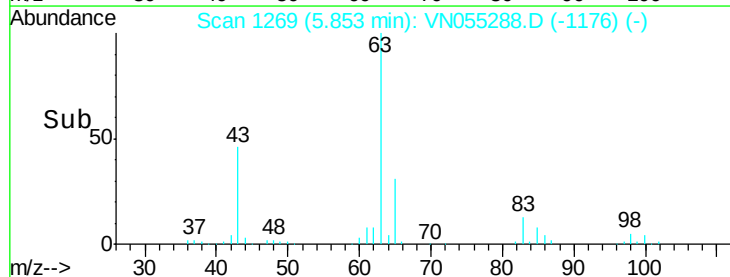
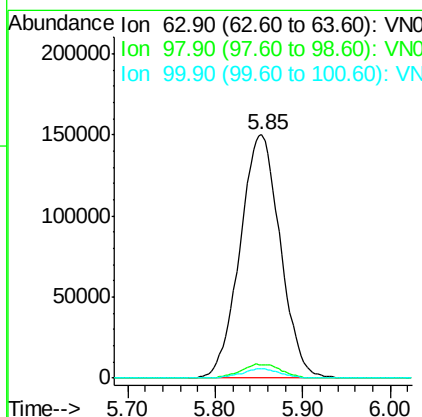
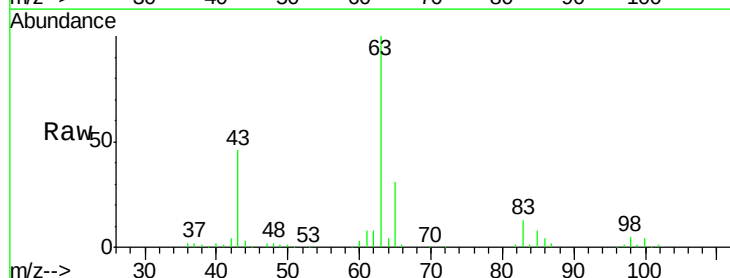
Manual Integrations
 APPROVED

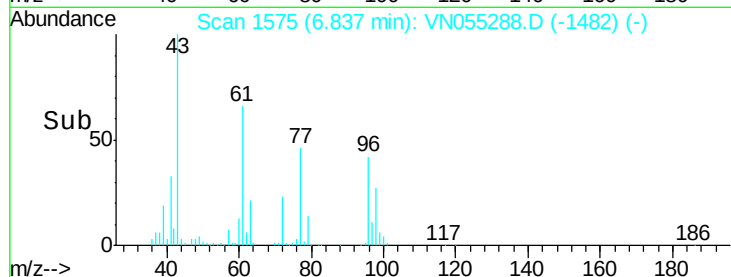
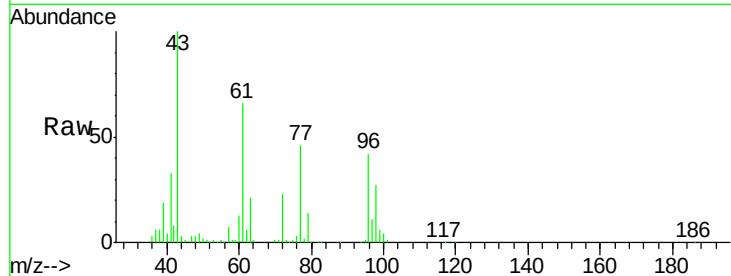
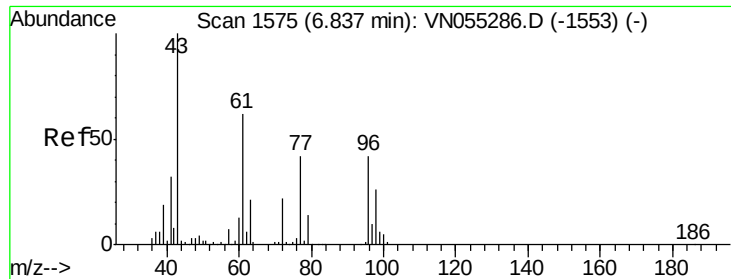
MMDadoda
 4/30/2019 11:59:14 AM



#24
 1,1-Dichloroethane
 Concen: 48.773 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 63 Resp: 477806
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.0
 100 3.7 1.8 5.4





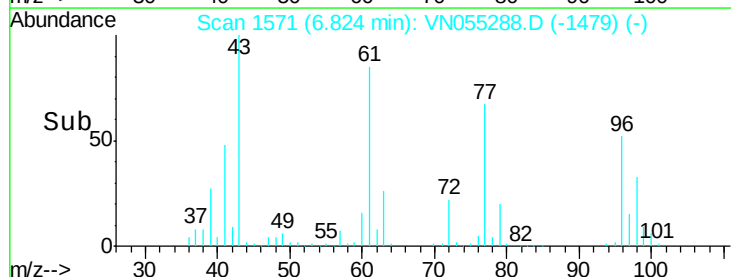
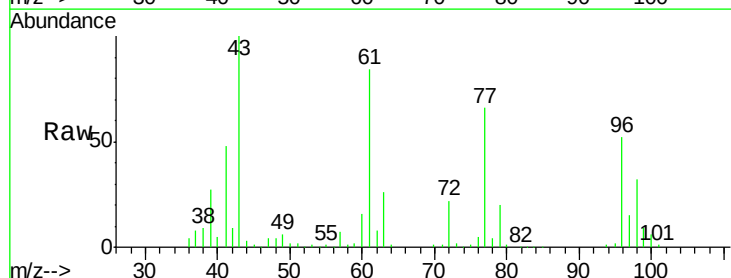
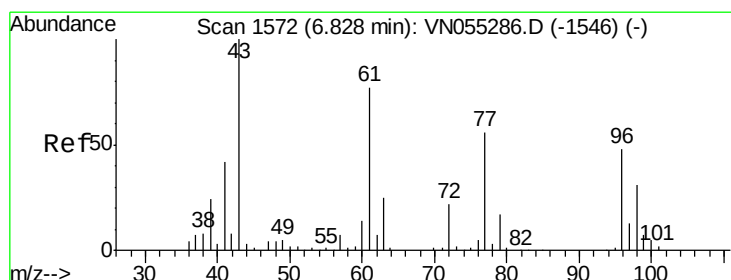
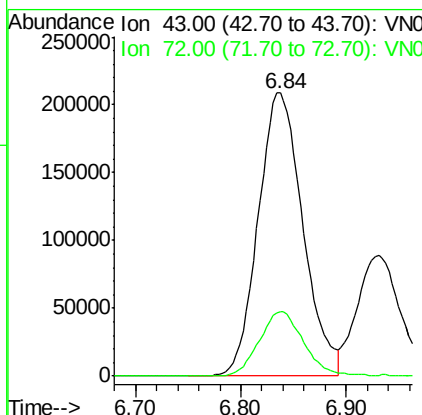
#25
2-Butanone
Concen: 259.792 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tot Ion: 43 Resp: 612568
Ion Ratio Lower Upper
43 100
72 22.9 18.0 27.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

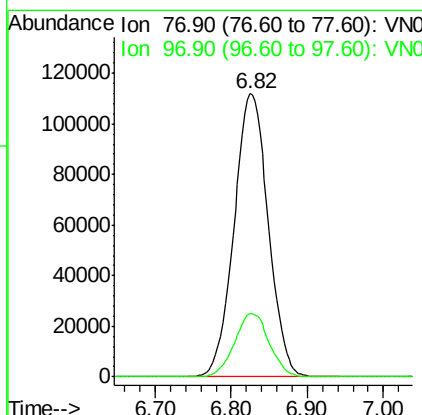
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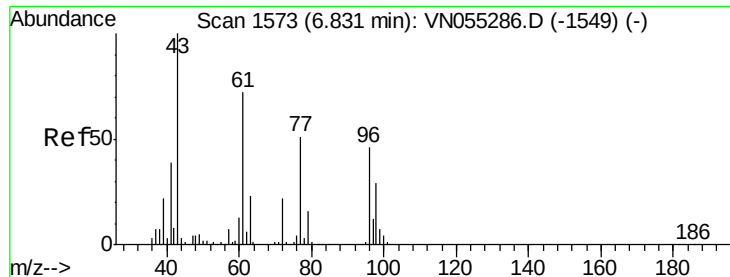
MMDadoda
4/30/2019 11:59:14 AM



#26
2,2-Dichloropropane
Concen: 51.632 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 77 Resp: 349284
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

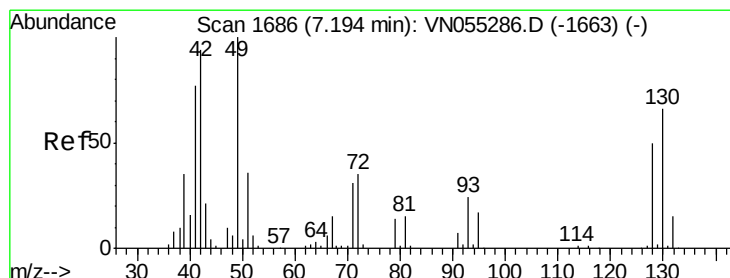
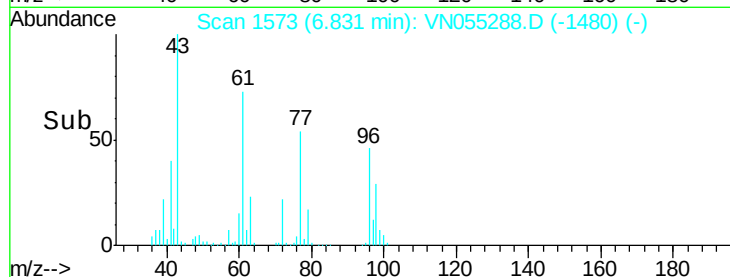
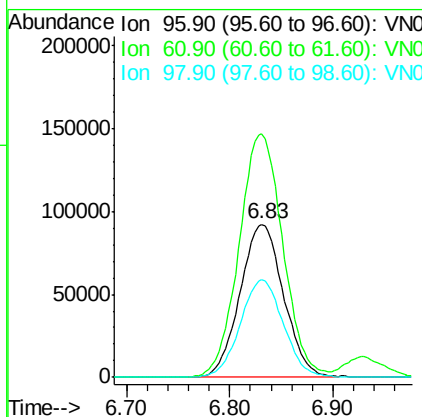
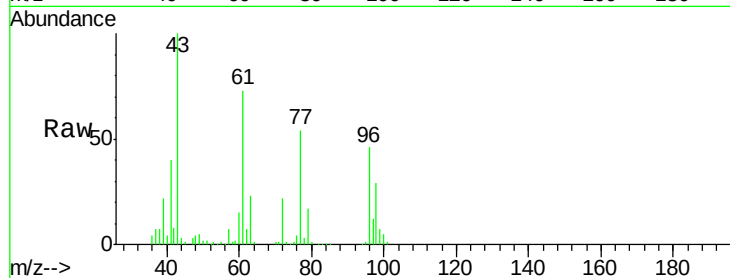
ClientSampleId :

ICVVN042919

Tot Ion:	96	Resp:	270446
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	316.2
98	63.3	0.0	126.6

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#28

Bromochloromethane

Concen: 48.685 ug/l

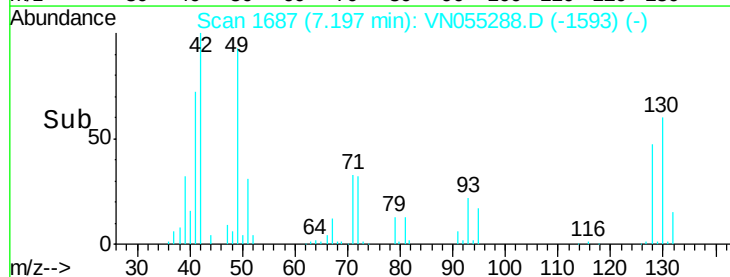
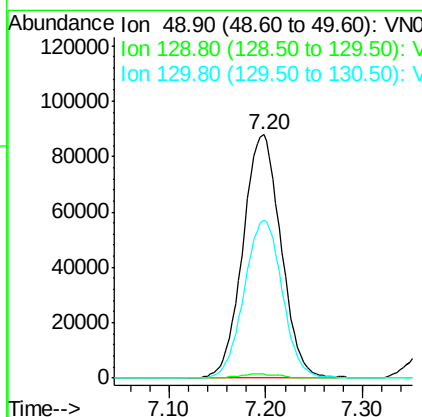
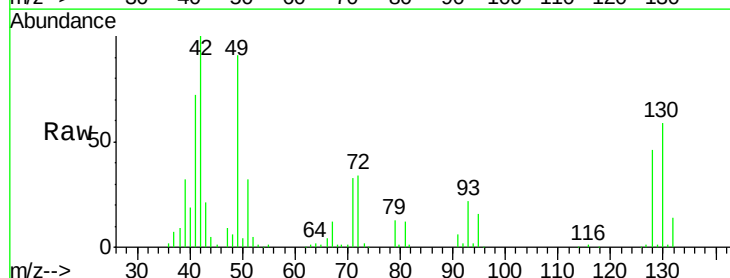
RT: 7.20 min Scan# 1687

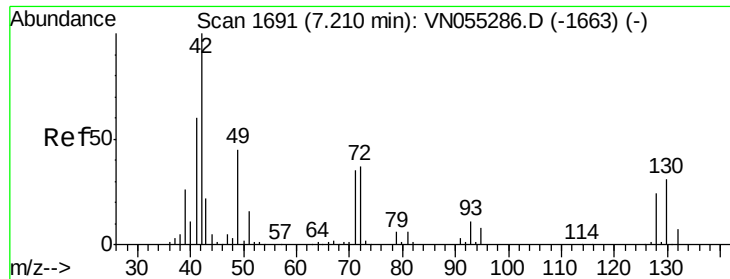
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	49	Resp:	240414
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.4
130	64.7	52.0	78.0





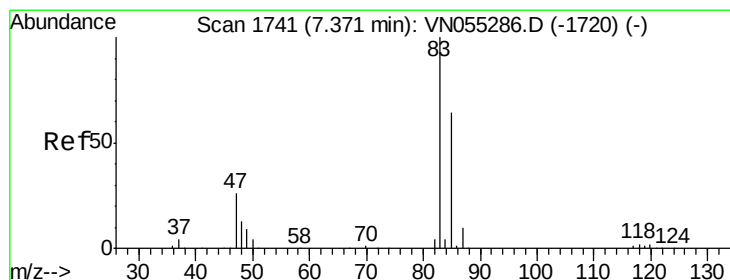
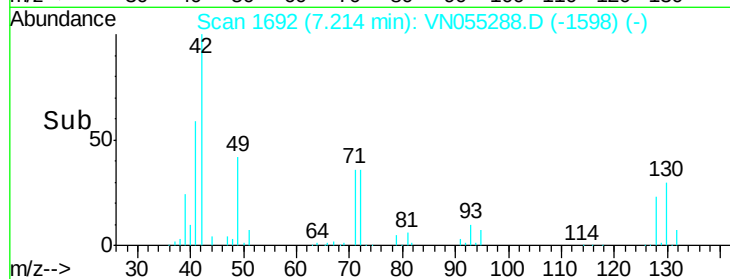
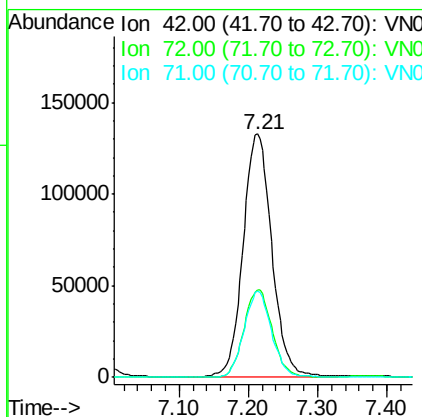
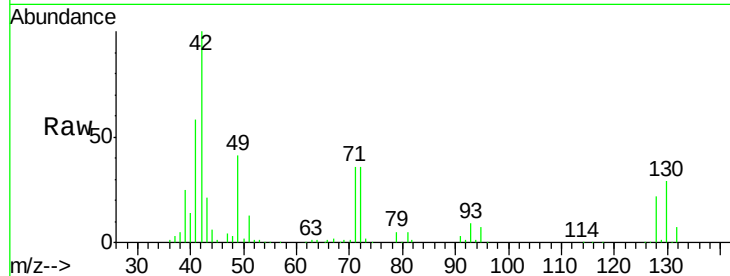
#29
Tetrahydrofuran
Concen: 253.868 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.0	43.6
71	33.7	27.1	40.7

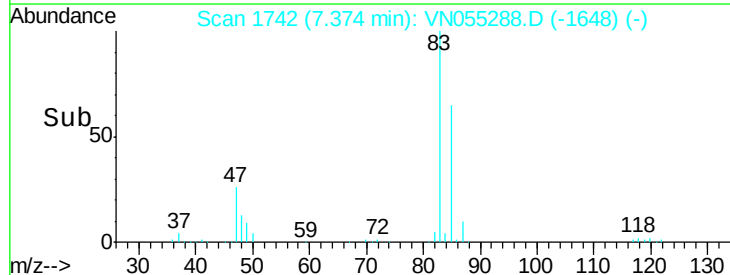
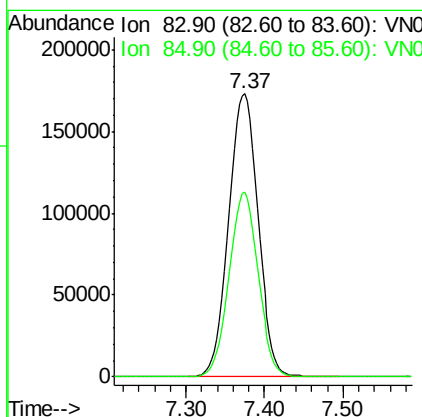
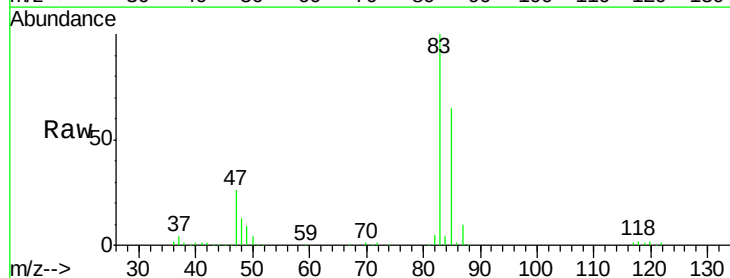
Manual Integrations
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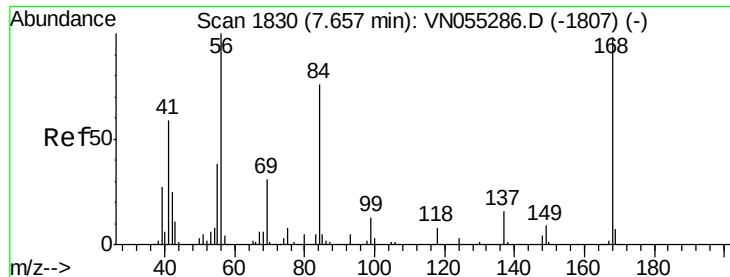
MMDadoda
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#30
Chloroform
Concen: 48.718 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cyclohexane

Concen: 47.961 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

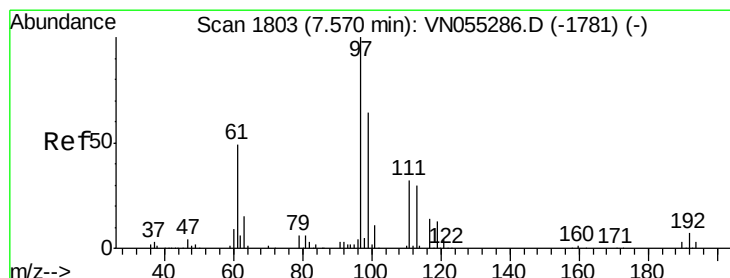
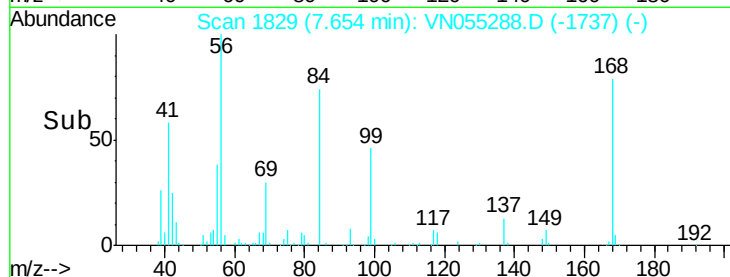
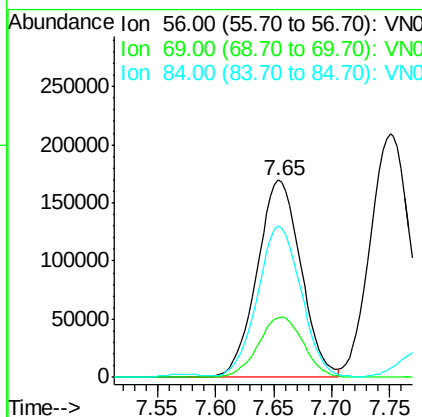
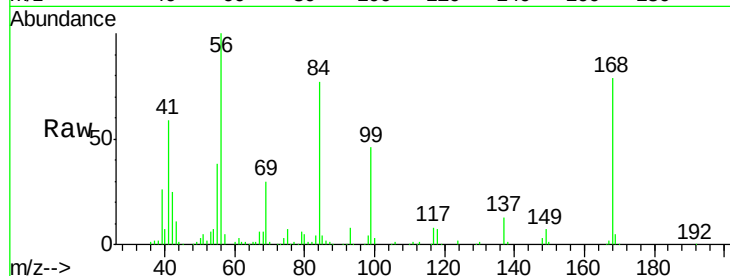
ClientSampled :

ICVVN042919

Tot Ion:	56	Resp:	446404
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.2	37.8
84	75.5	61.1	91.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.924 ug/l

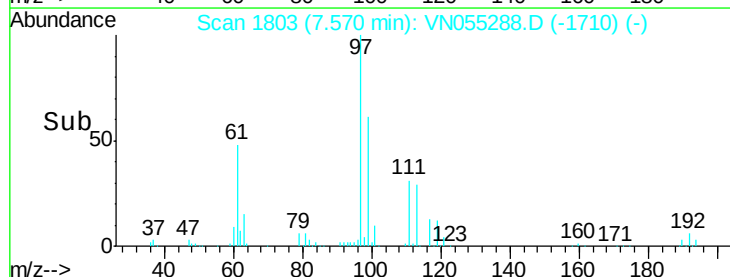
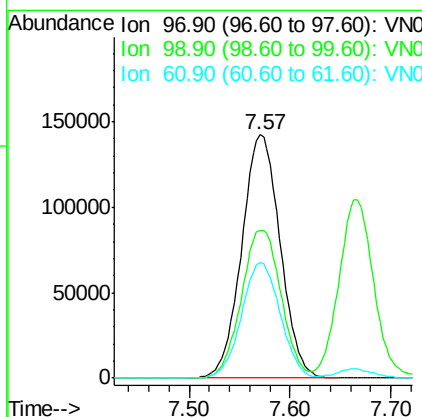
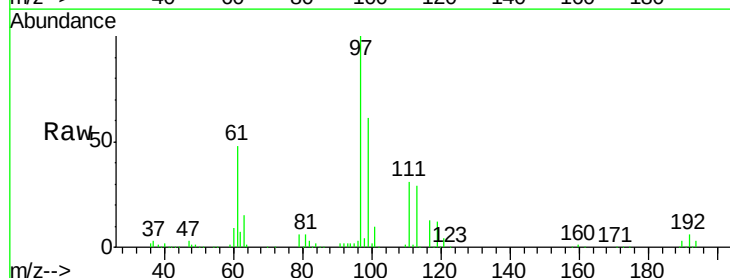
RT: 7.57 min Scan# 1803

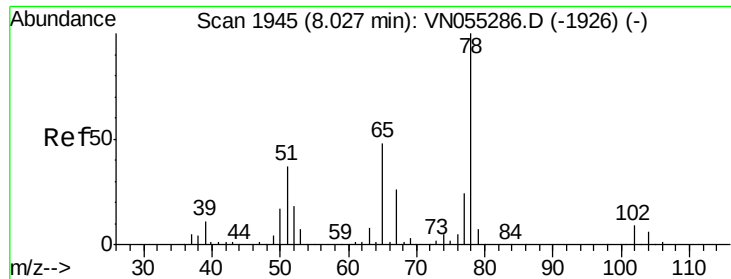
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	97	Resp:	376277
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.8
61	47.8	39.0	58.6





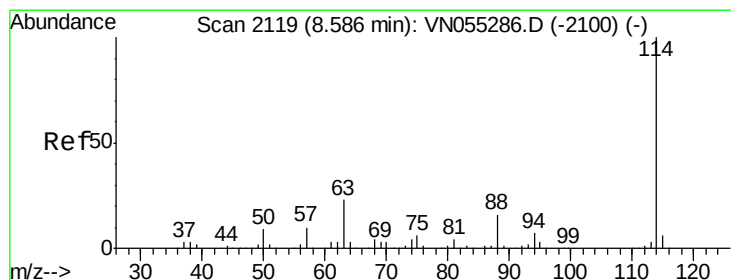
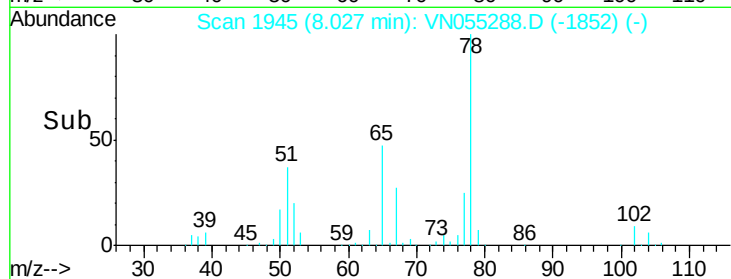
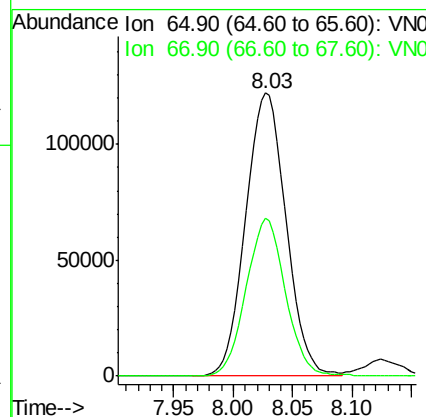
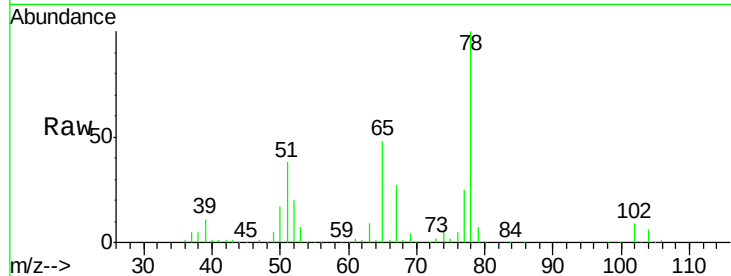
#33
 1,2-Dichloroethane-d4
 Concen: 48.610 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion	Ratio	Resp	Lower	Upper
65	100	287638		
67	54.4	0.0	106.8	

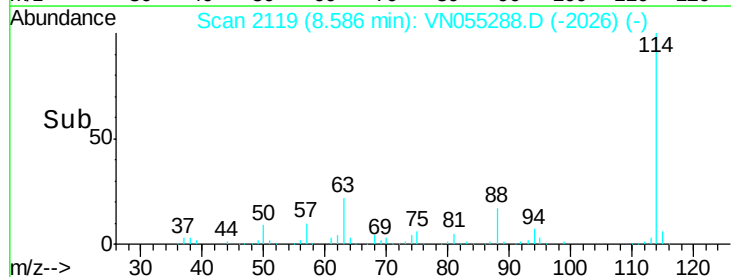
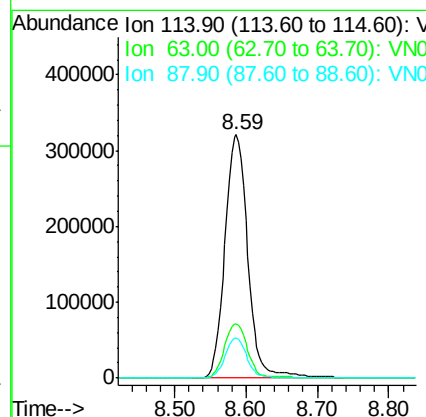
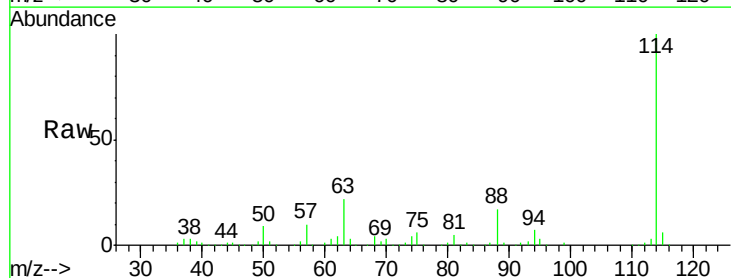
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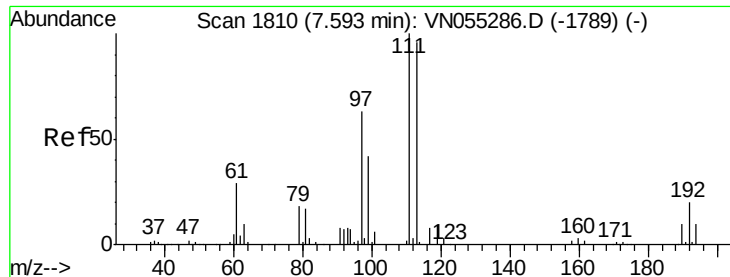
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 4/30/2019 11:59:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	717606		
63	22.3	0.0	45.2	
88	16.6	0.0	31.6	





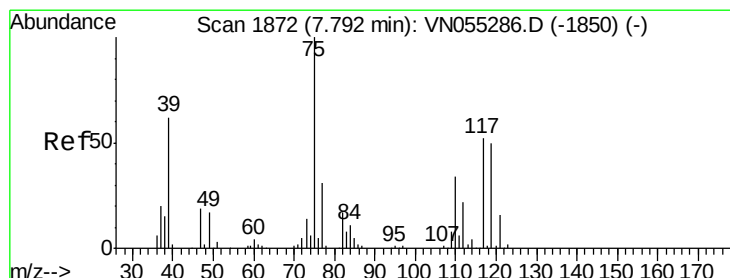
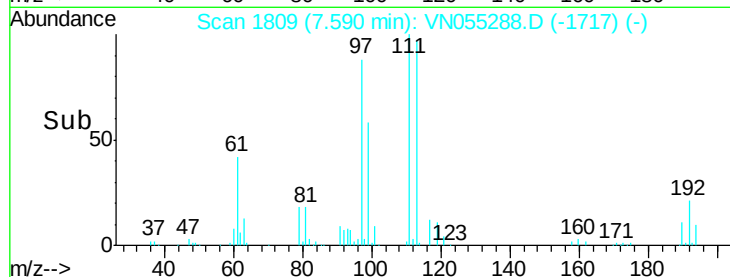
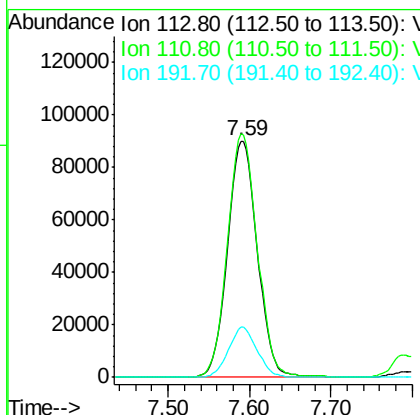
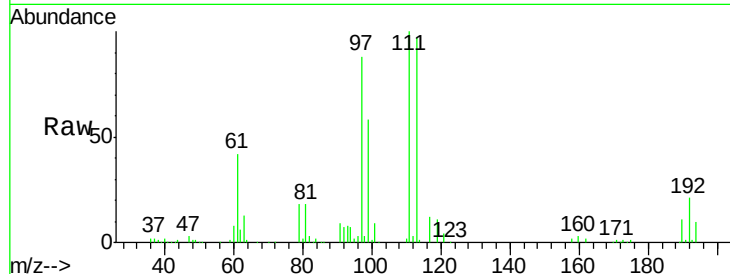
#35
 Dibromofluoromethane
 Concen: 49.065 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231102		
111	103.2	82.3	123.5	
192	20.5	17.0	25.6	

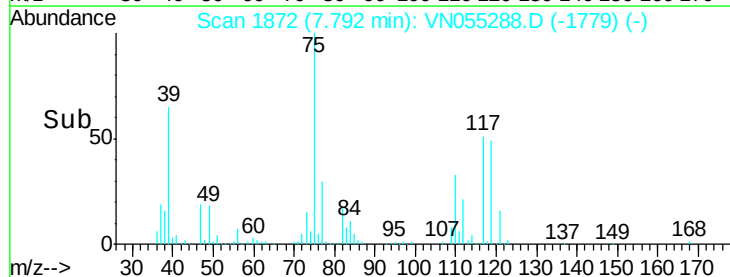
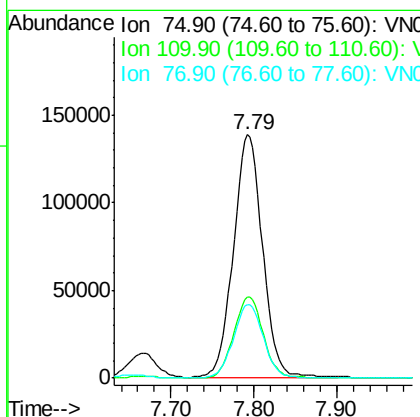
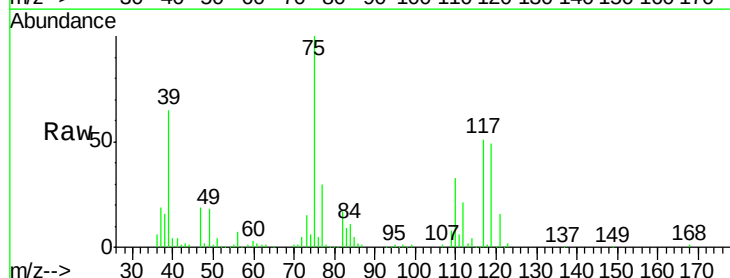
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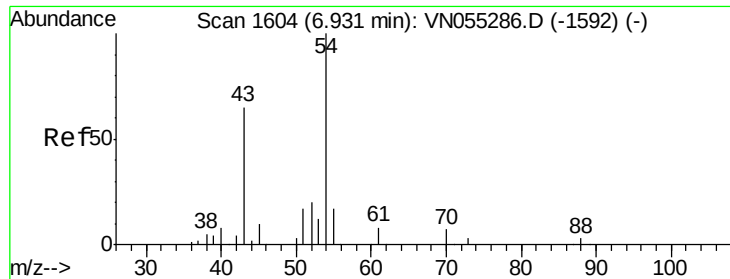
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#36
 1,1-Dichloropropene
 Concen: 49.132 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	337713		
110	34.1	16.8	50.4	
77	31.5	25.0	37.6	





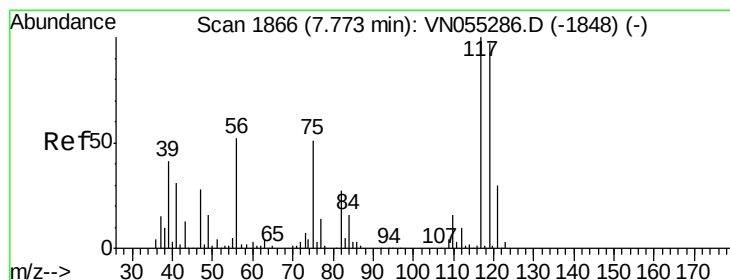
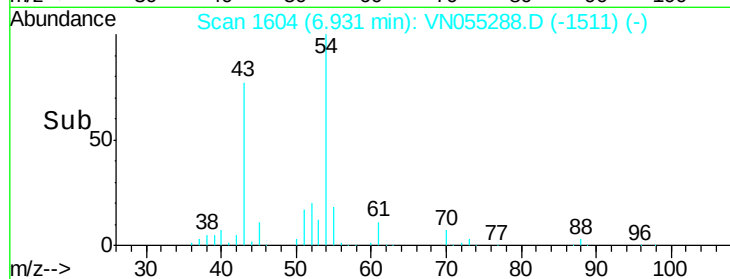
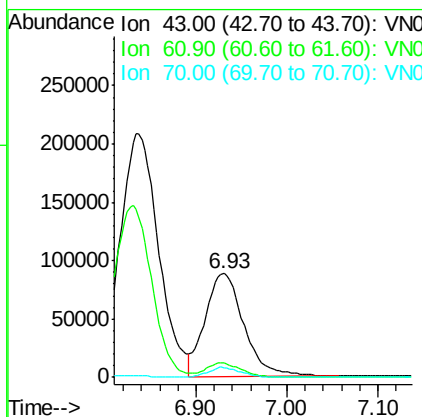
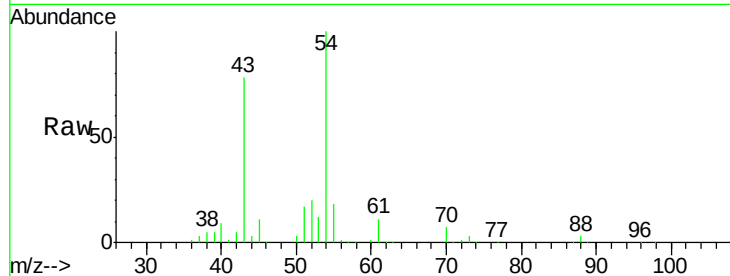
#37
Ethyl Acetate
Concen: 49.386 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN042919

Tot Ion	43	61	70
Ratio	100	12.4	8.1
Lower		10.4	6.6
Upper		15.6	10.0

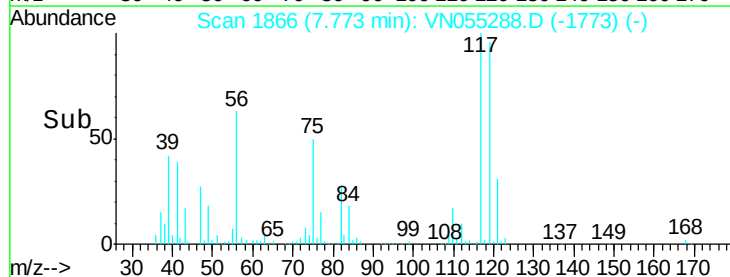
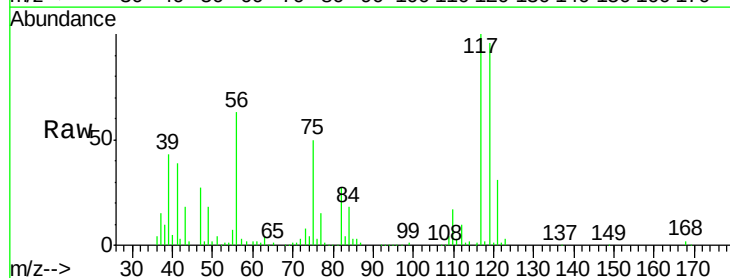
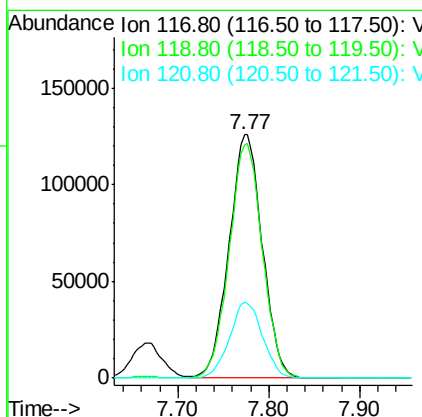
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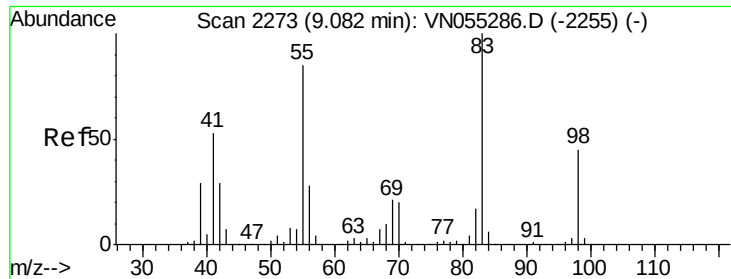
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#38
Carbon Tetrachloride
Concen: 48.428 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	117	119	121
Ratio	100	96.1	31.0
Lower		77.0	23.8
Upper		115.6	35.8





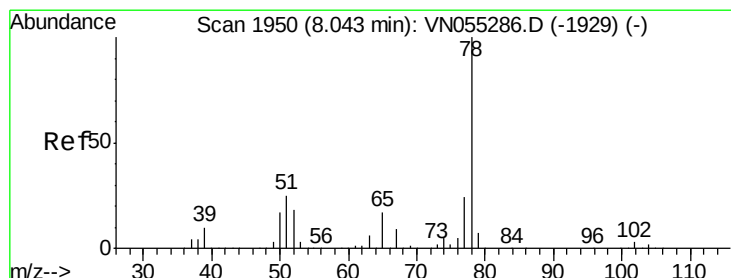
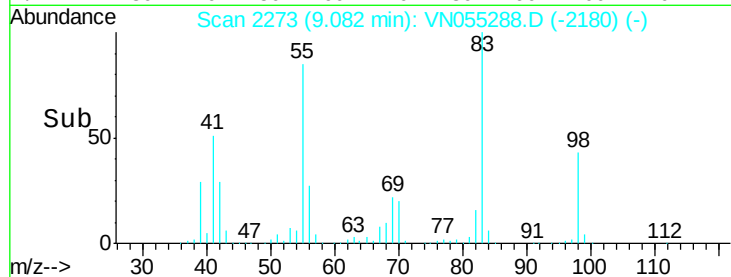
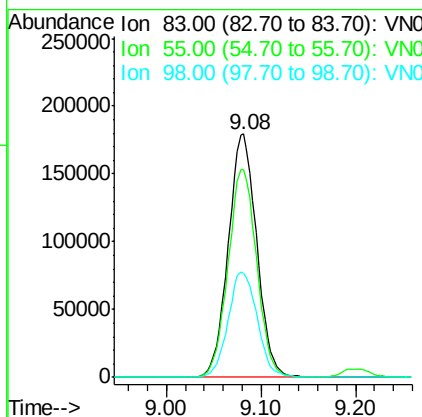
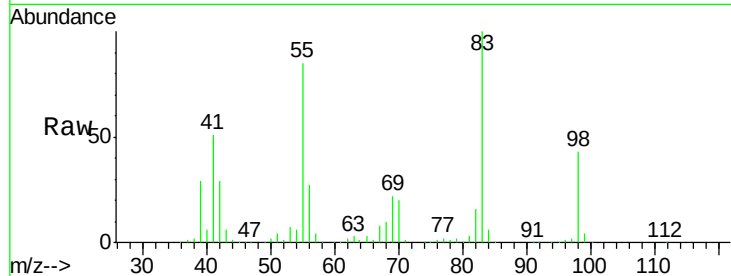
#39
Methylvlcyclohexane
Concen: 51.390 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVFN042919

Tot Ion	83	Resp	375559
Ion Ratio	100	Lower	Upper
83	100		
55	85.5	67.8	101.6
98	42.9	36.2	54.4

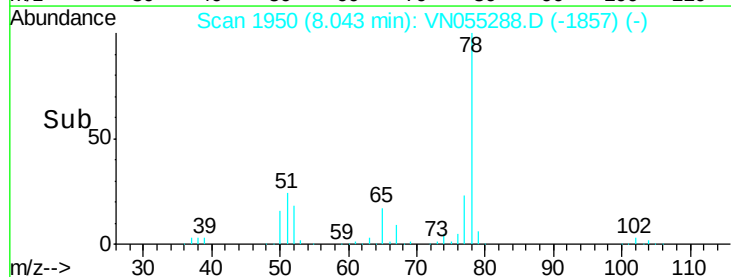
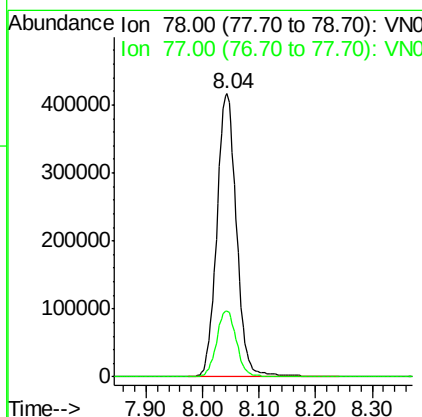
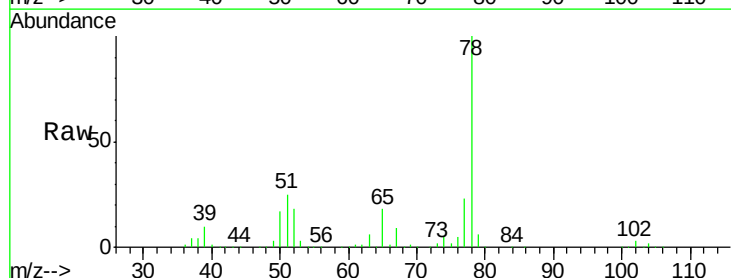
Manual Integrations
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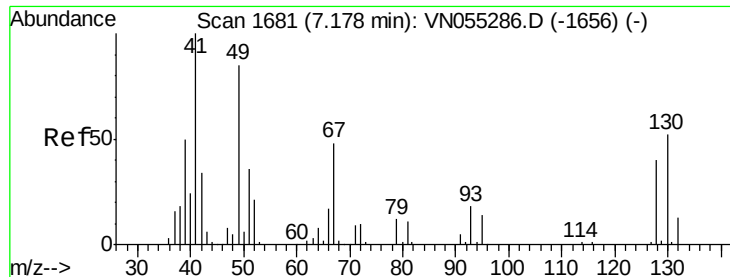
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#40
Benzene
Concen: 49.642 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	78	Resp	1005889
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	19.0	28.6





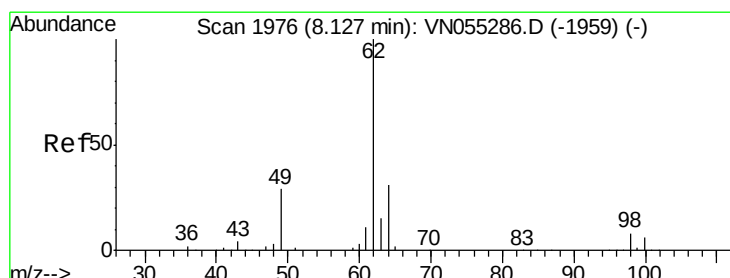
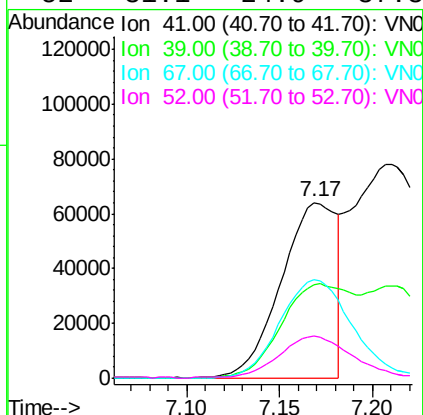
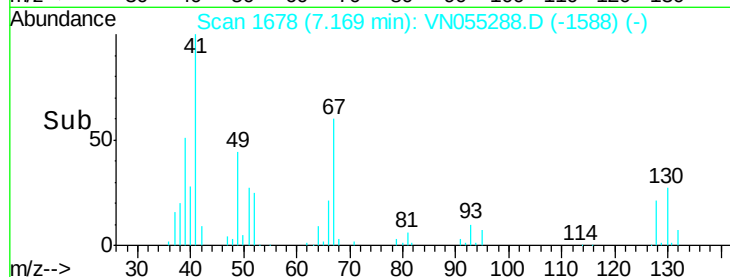
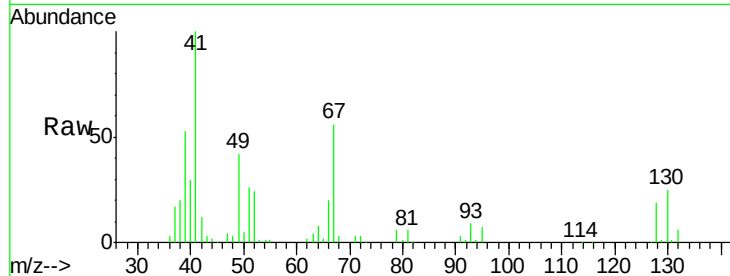
#41
Methacrylonitrile
Concen: 46.439 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		132251		
39	67.5	48.5	72.7		
67	74.7	54.9	82.3		
52	31.1	24.9	37.3		

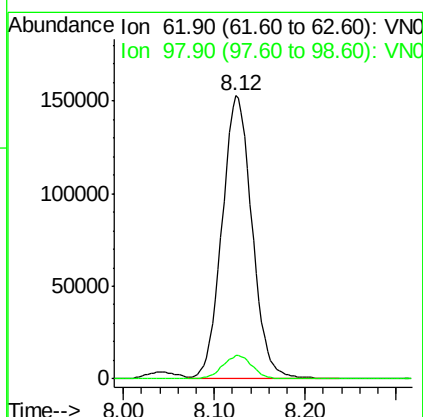
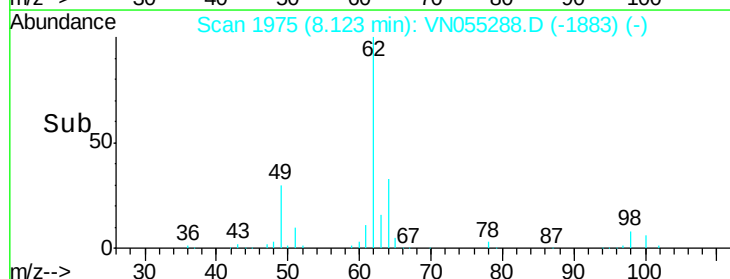
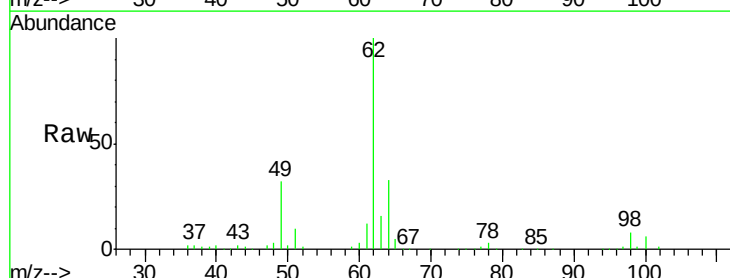
Manual Integrations
APPROVED

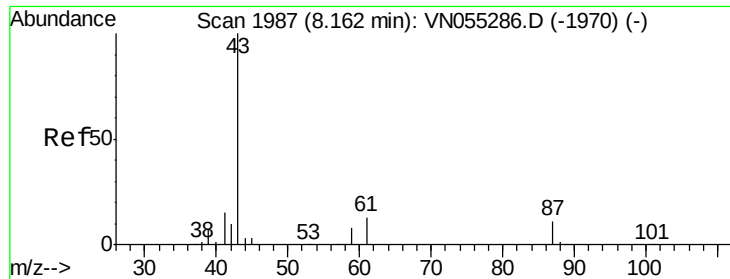
MMDadoda
4/30/2019 11:59:14 AM



#42
1,2-Dichloroethane
Concen: 48.633 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		349021		
98	8.4	0.0	16.4		





#43

Isopropyl Acetate

Concen: 52.130 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

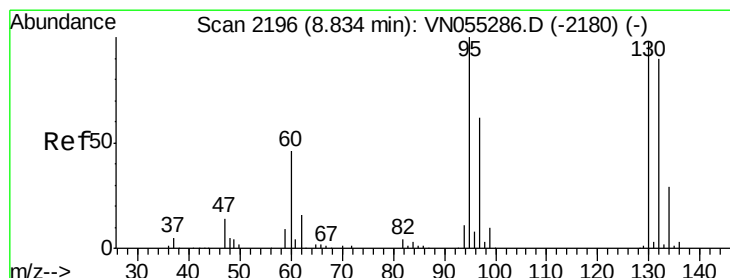
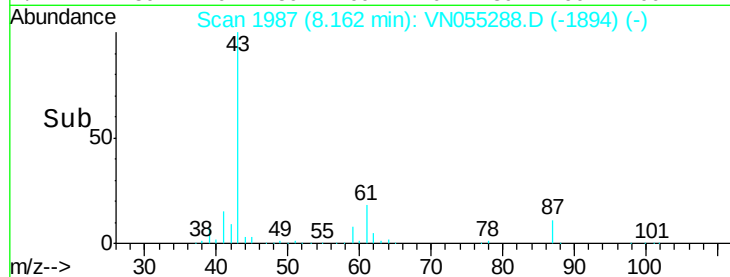
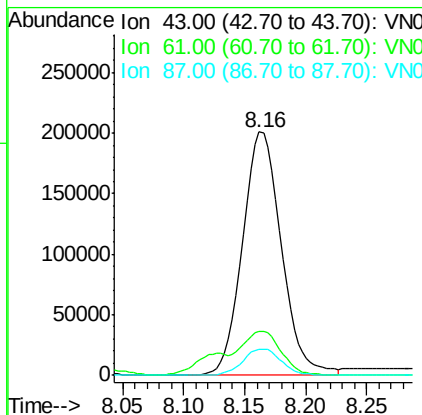
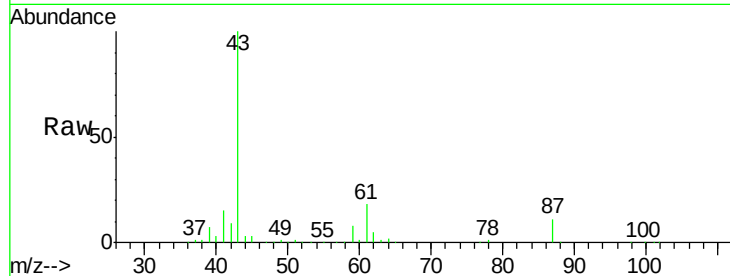
ClientSampleId :

ICVVN042919

Tot Ion:	43	Resp:	441330
Ion	Ratio	Lower	Upper
43	100		
61	17.7	20.8	31.2#
87	10.9	8.5	12.7

Manual Integrations
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#44

Trichloroethene

Concen: 48.879 ug/l

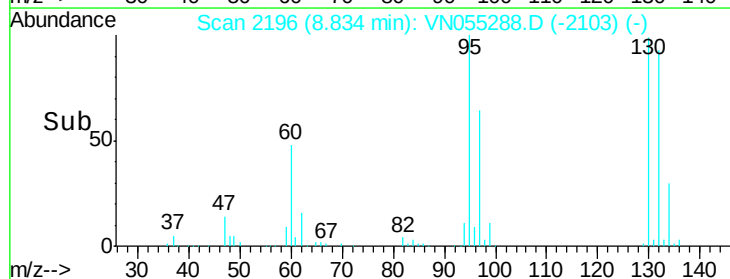
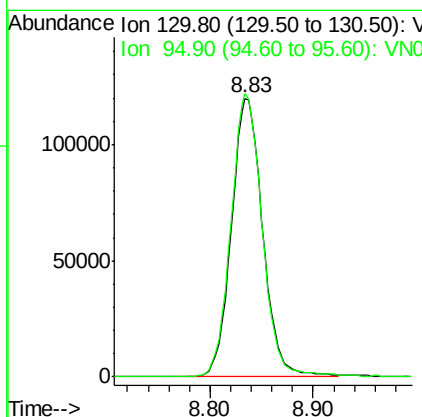
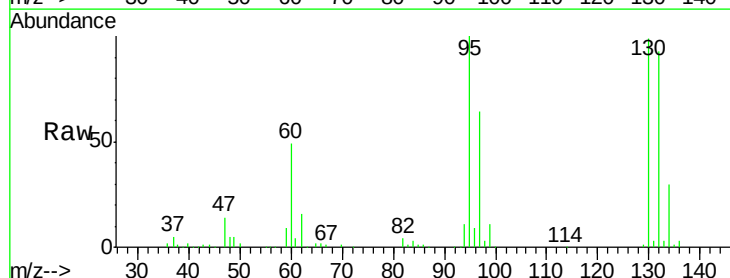
RT: 8.83 min Scan# 2196

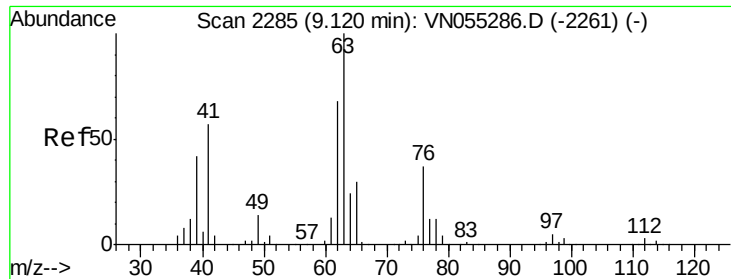
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	130	Resp:	252490
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.4





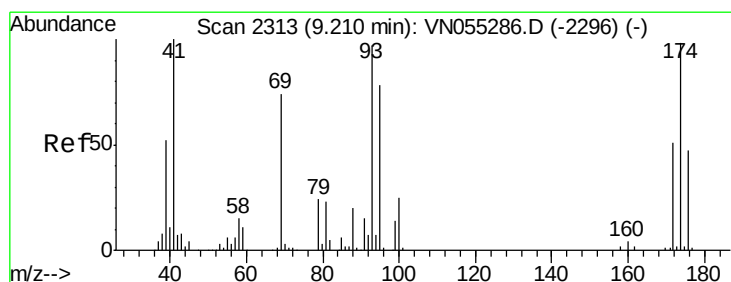
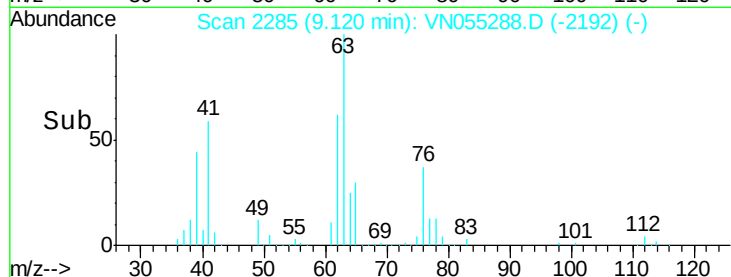
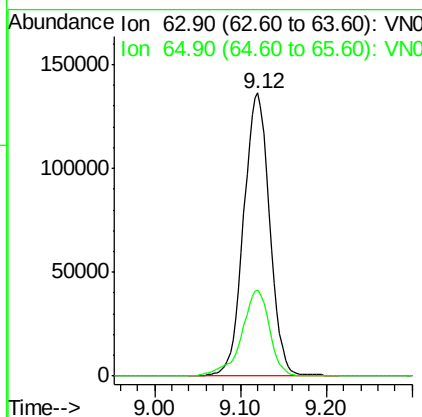
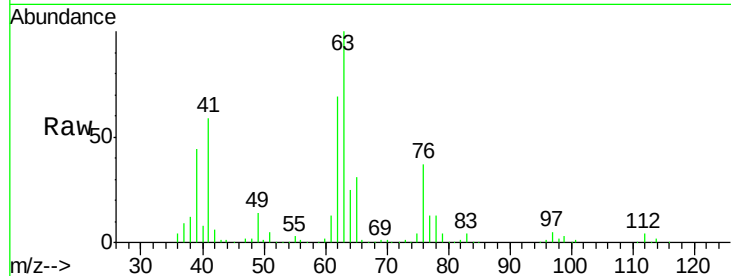
#45
 1,2-Dichloropropane
 Concen: 49.140 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion: 63 Resp: 287179
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9

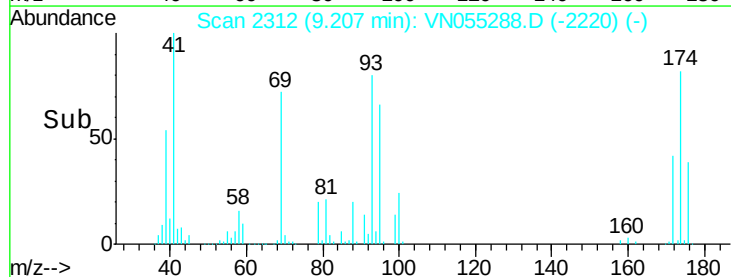
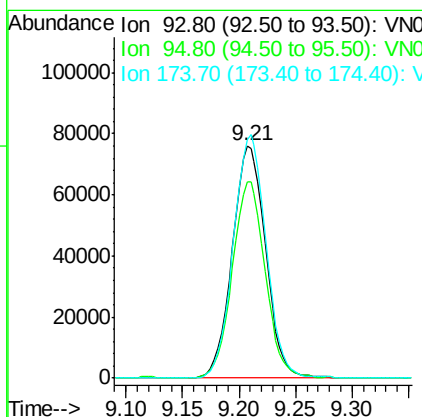
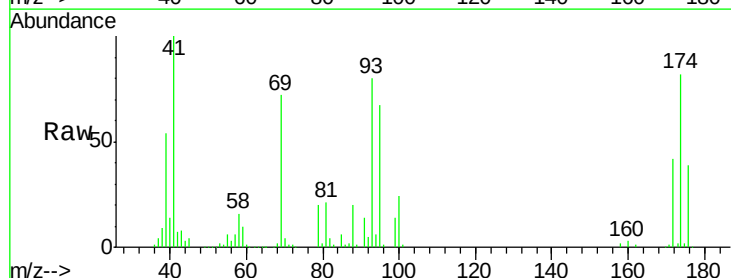
Manual Integrations
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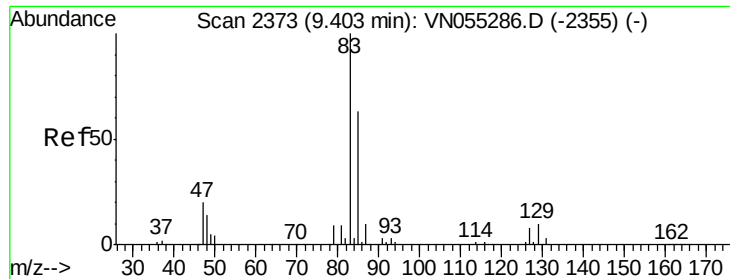
MMDadoda
 4/30/2019 11:59:14 AM



#46
 Dibromomethane
 Concen: 48.916 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 93 Resp: 156258
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 102.9 81.5 122.3





#47

Bromodichloromethane

Concen: 49.926 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

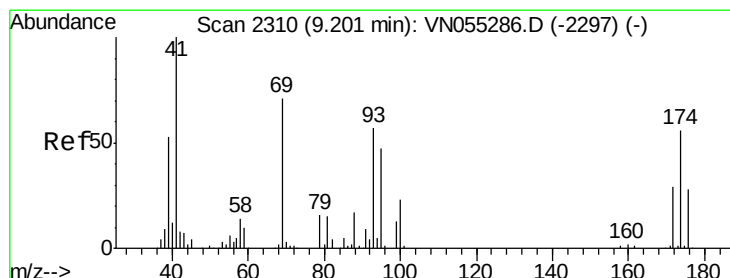
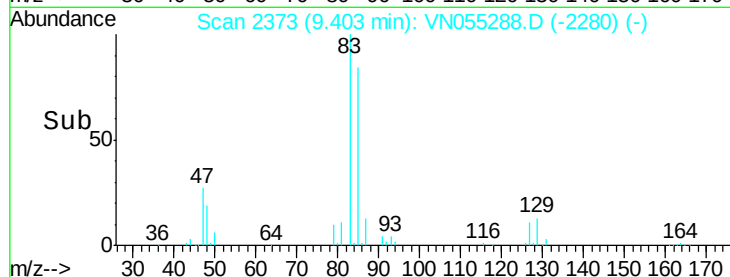
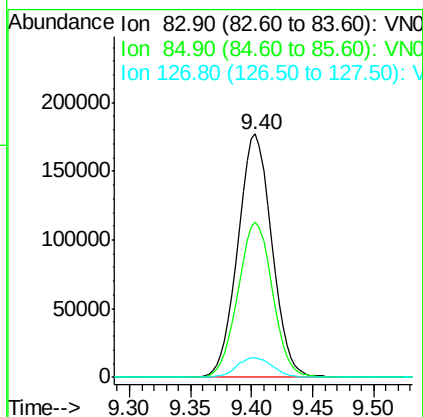
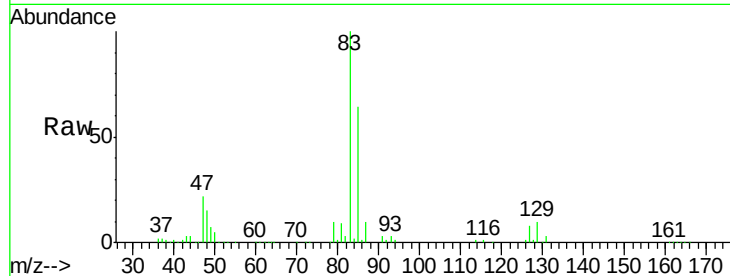
ClientSampleId :

ICVVN042919

Tot Ion:	83	Resp:	342140
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.1	75.1
127	8.0	6.7	10.1

Manual Integrations
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MMDadoda
4/30/2019 11:59:14 AM



#48

Methyl methacrylate

Concen: 50.883 ug/l

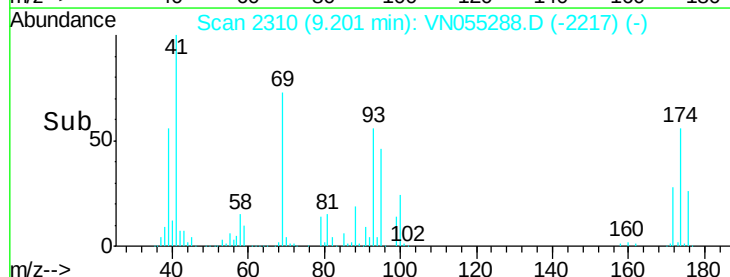
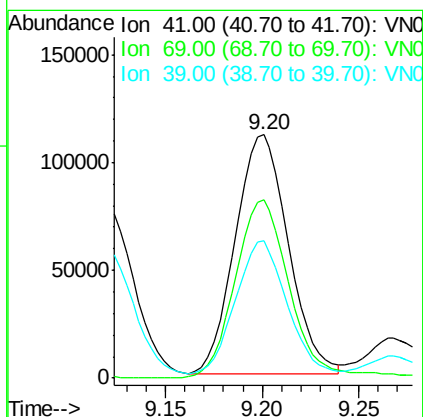
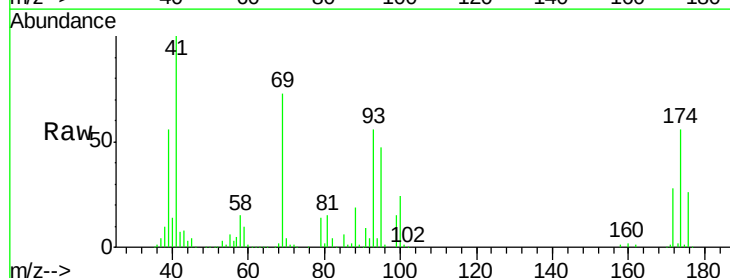
RT: 9.20 min Scan# 2310

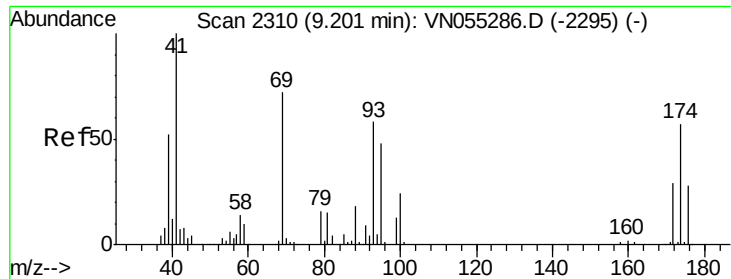
Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	41	Resp:	211769
Ion Ratio	Lower	Upper	
41	100		
69	76.3	58.6	87.8
39	56.6	43.8	65.6





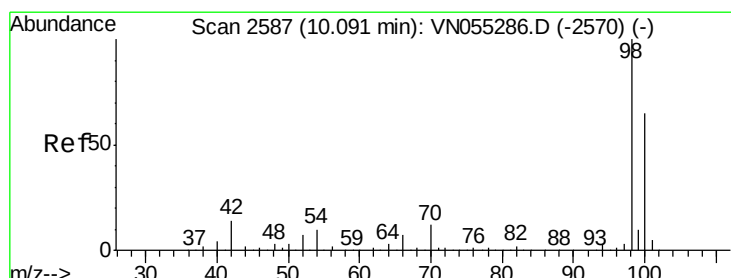
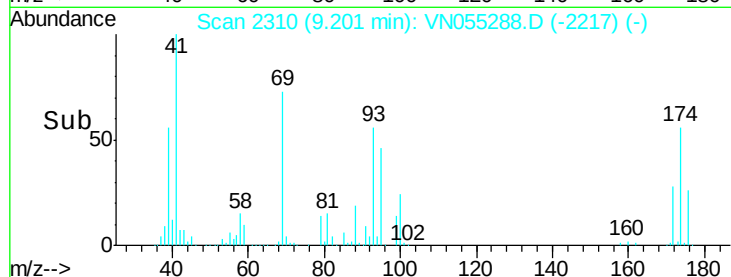
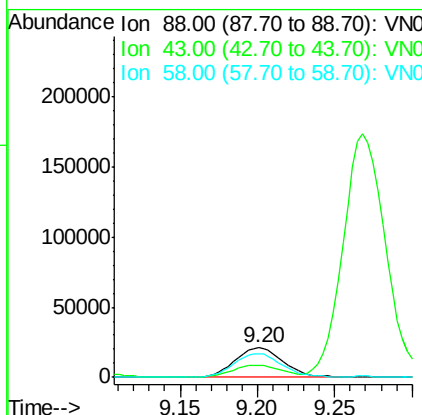
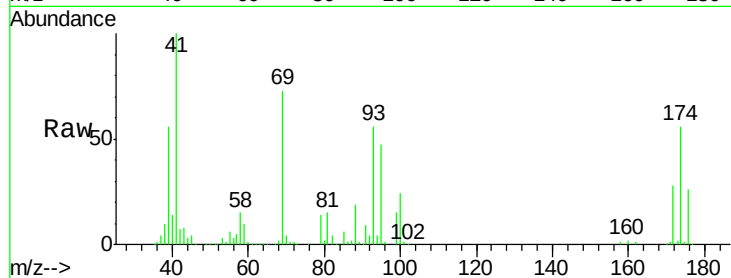
#49
1,4-Dioxane
Concen: 1063.595 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	33.3	49.9
58	79.1	62.7	94.1

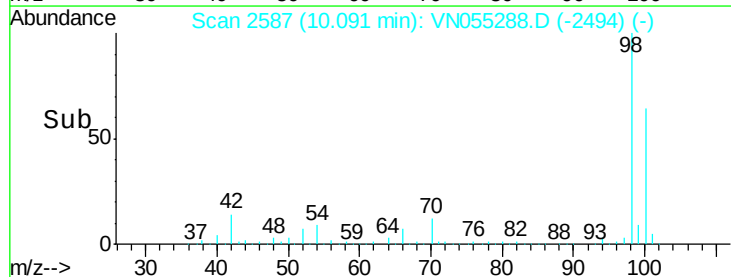
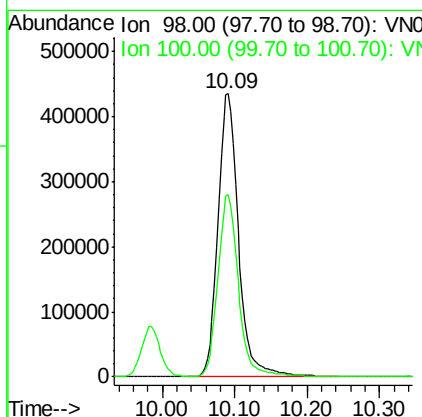
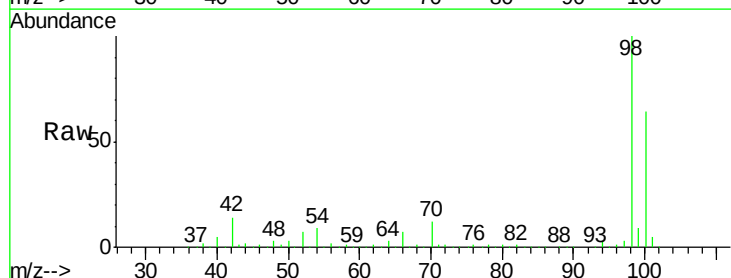
Manual Integrations
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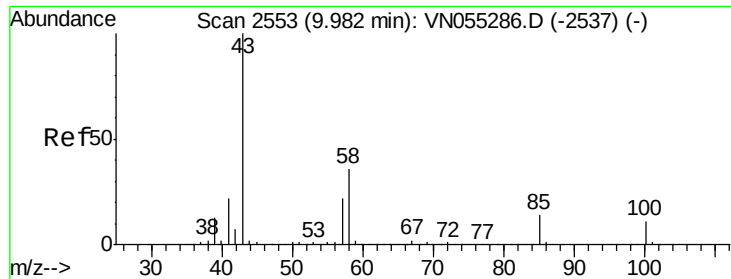
MMDadoda
4/30/2019 11:59:14 AM



#50
Toluene-d8
Concen: 50.378 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 258.237 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion: 43 Resp: 1230884

Ion Ratio Lower Upper

43 100

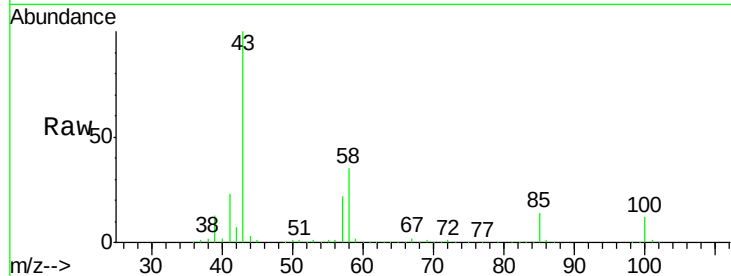
58 35.0 28.5 42.7

Manual Integrations

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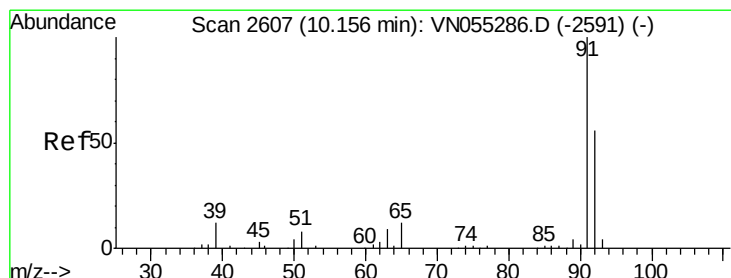
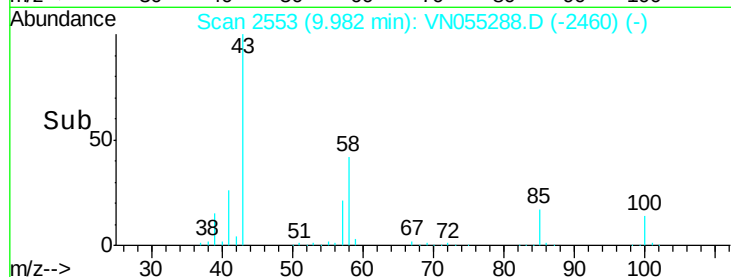
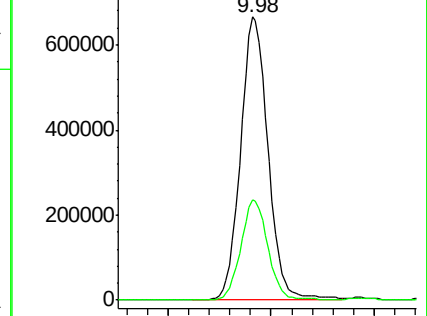
MMDadoda

4/30/2019 11:59:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.199 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055288.D

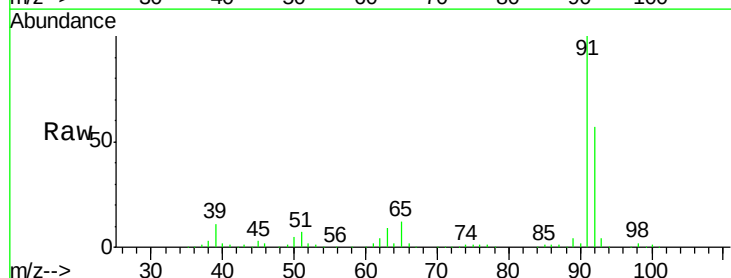
Acq: 29 Apr 2019 12:23

Tgt Ion: 92 Resp: 595248

Ion Ratio Lower Upper

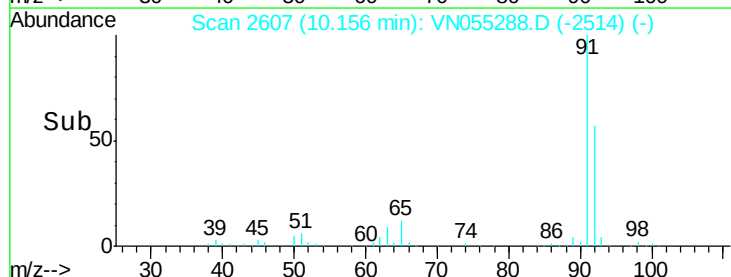
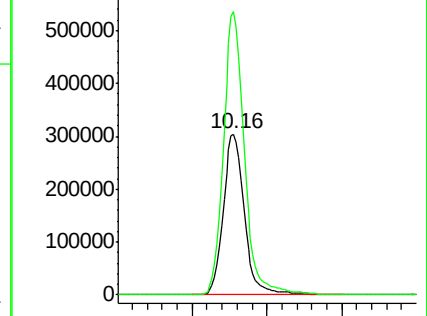
92 100

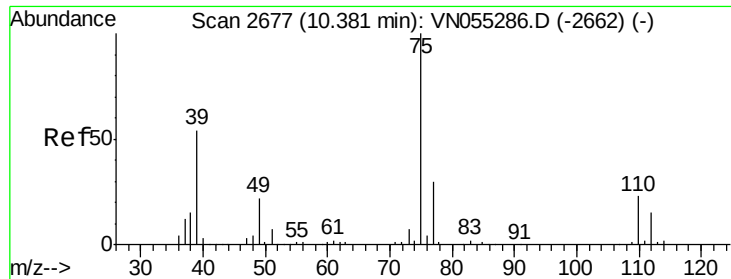
91 174.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





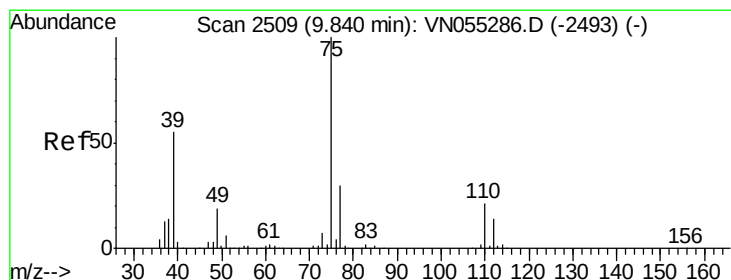
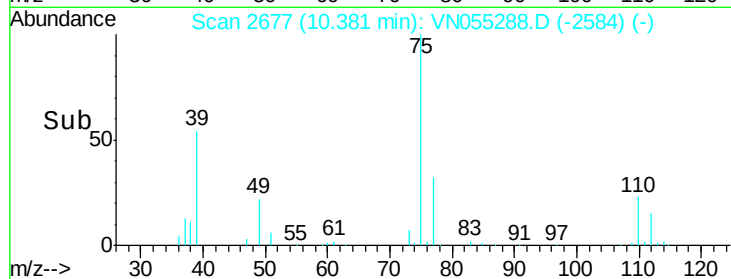
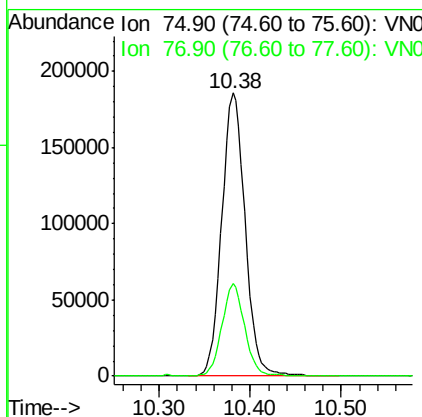
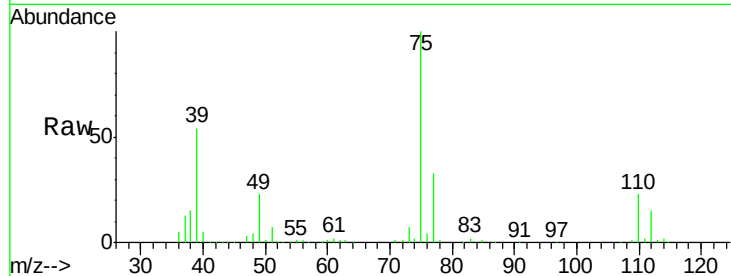
#53
 t-1,3-Dichloropropene
 Concen: 55.906 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion: 75 Resp: 332592
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.4 36.6

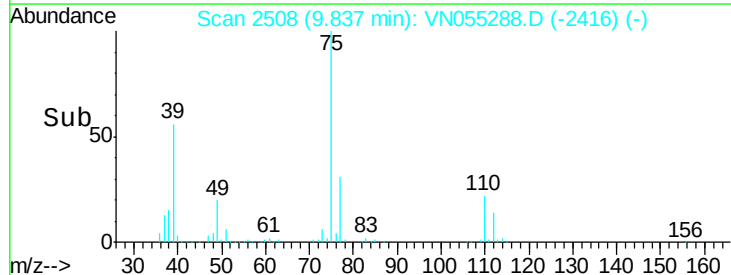
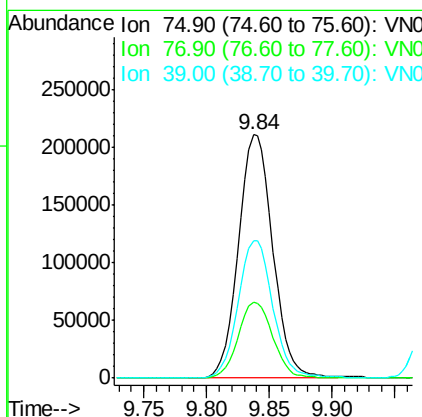
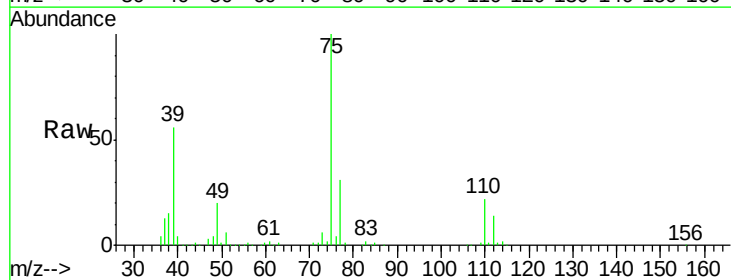
Manual Integrations
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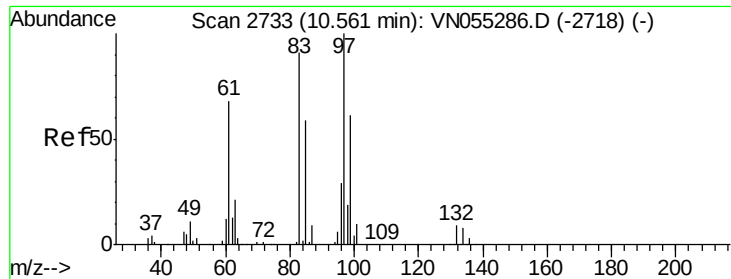
MMDadoda
 4/30/2019 11:59:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.142 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 75 Resp: 401593
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.2 36.2
 39 56.2 44.2 66.2





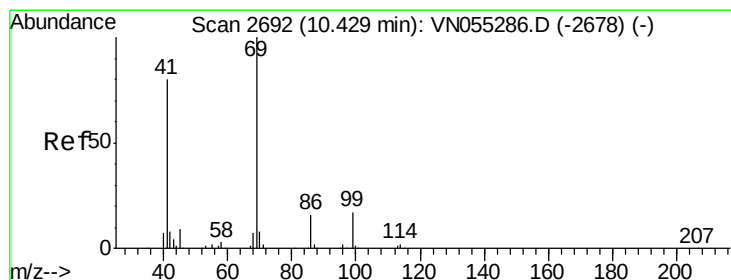
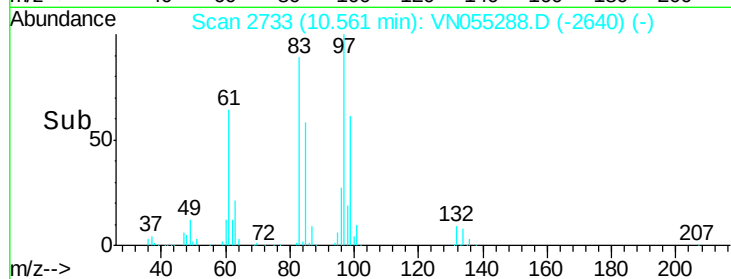
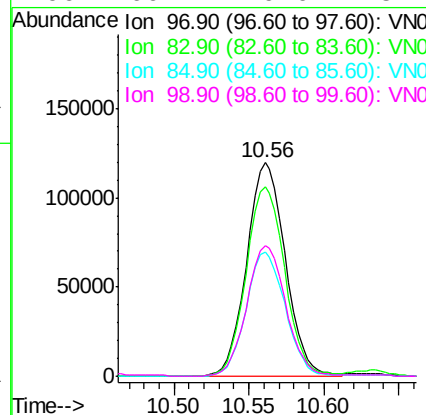
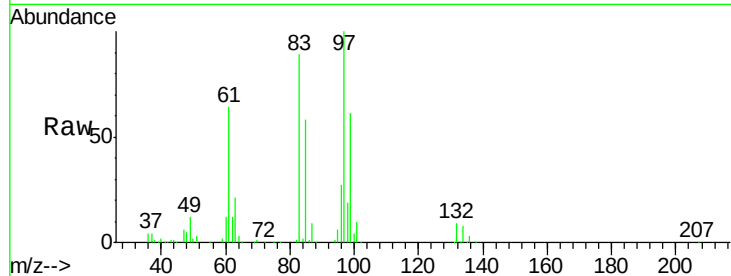
#55
 1,1,2-Trichloroethane
 Concen: 49.940 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion:	97	Resp:	215603
Ion	Ratio	Lower	Upper
97	100		
83	88.8	72.8	109.2
85	58.4	47.0	70.6
99	60.7	49.0	73.4

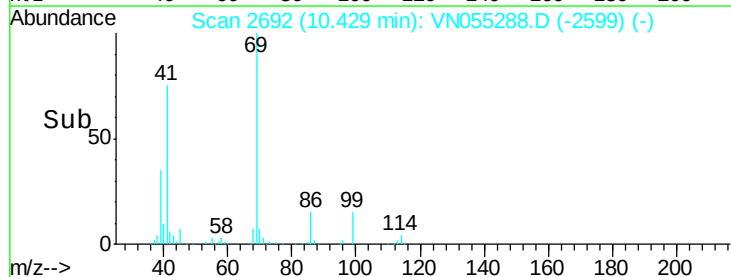
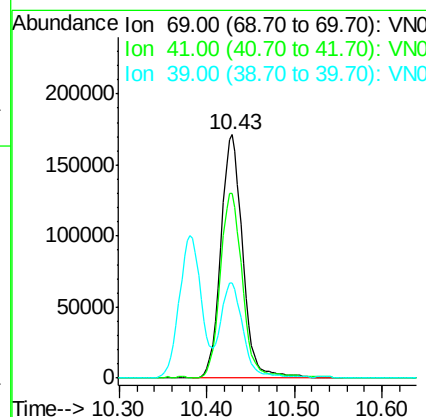
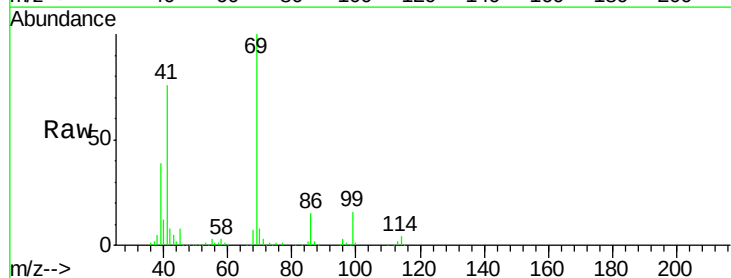
Manual Integrations
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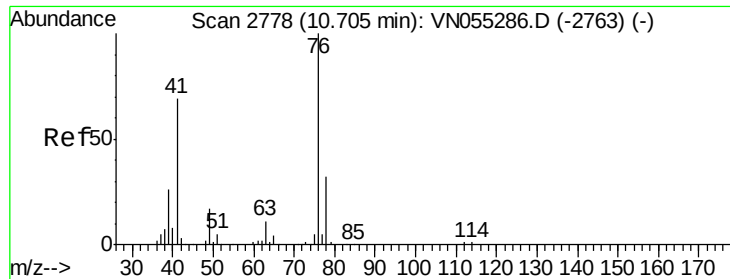
MMDadoda
 4/30/2019 11:59:14 AM



#56
 Ethyl methacrylate
 Concen: 55.946 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion:	69	Resp:	297291
Ion	Ratio	Lower	Upper
69	100		
41	76.4	62.7	94.1
39	39.3	32.0	48.0





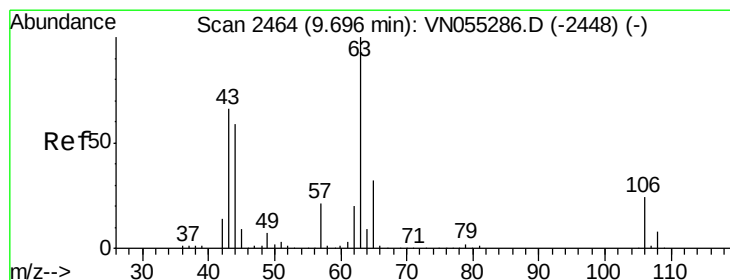
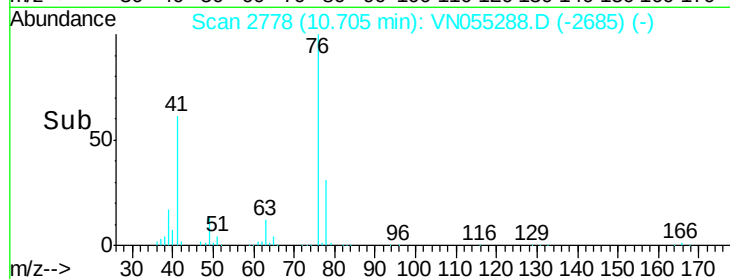
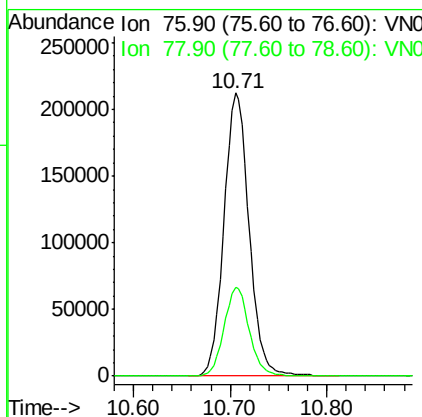
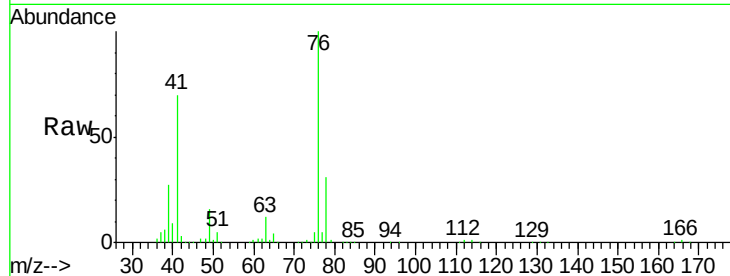
#57
 1,3-Dichloropropane
 Concen: 50.586 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.6	38.4

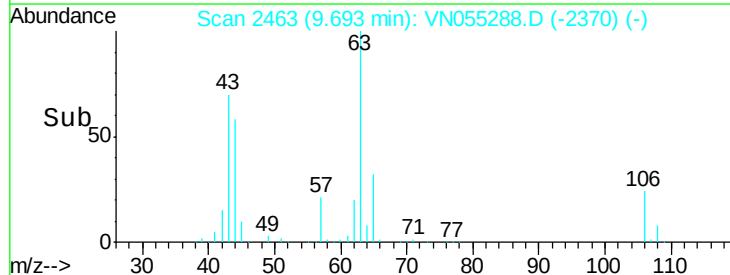
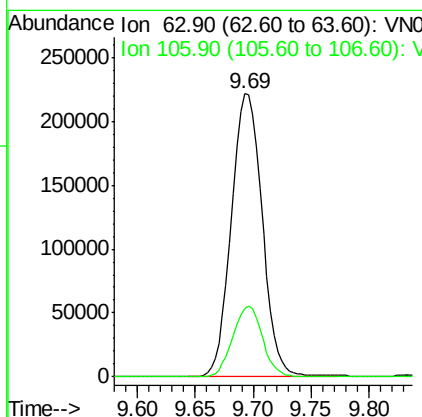
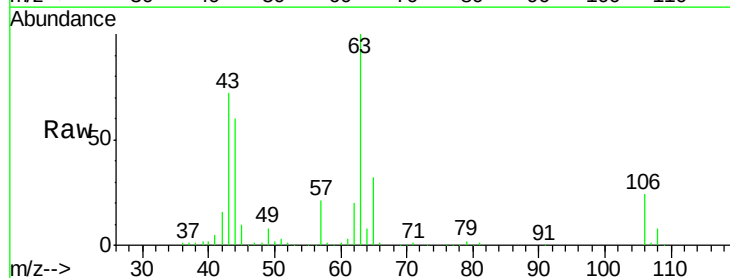
Manual Integrations
 APPROVED

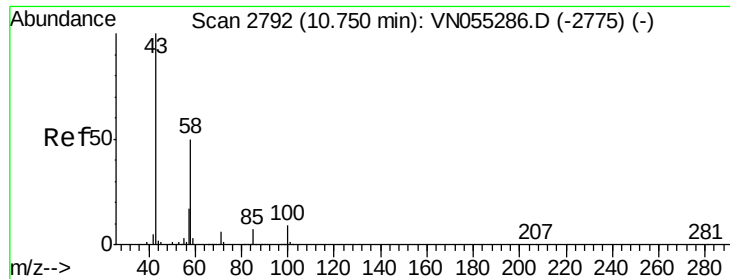
MMDadoda
 4/30/2019 11:59:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.418 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	19.0	28.4





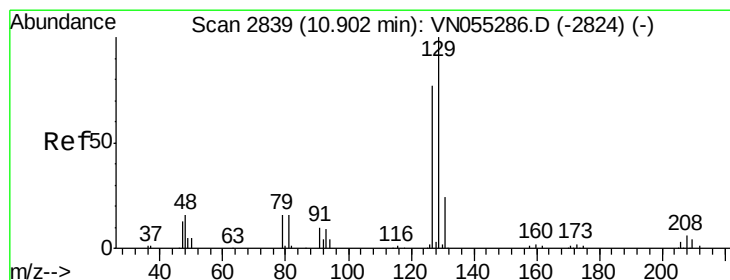
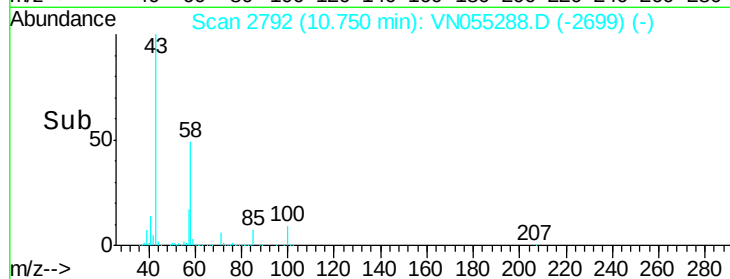
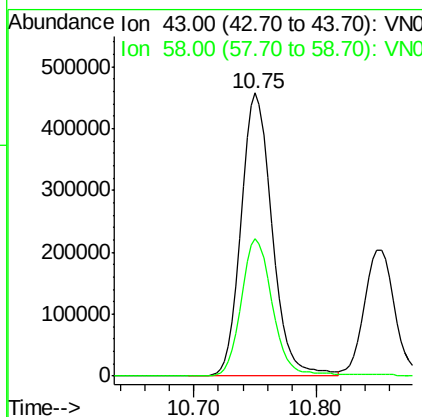
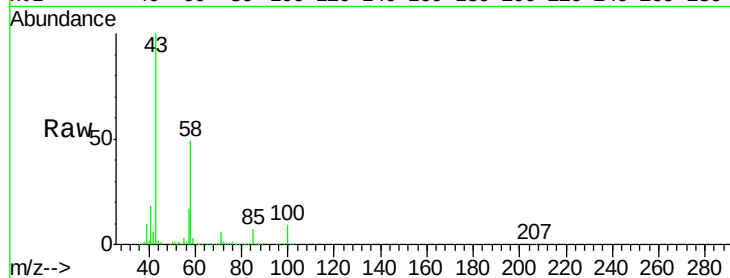
#59
2-Hexanone
Concen: 268.168 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	43	Resp	799763
Ion Ratio	100	Lower	Upper
43	100		
58	49.0	24.9	74.6

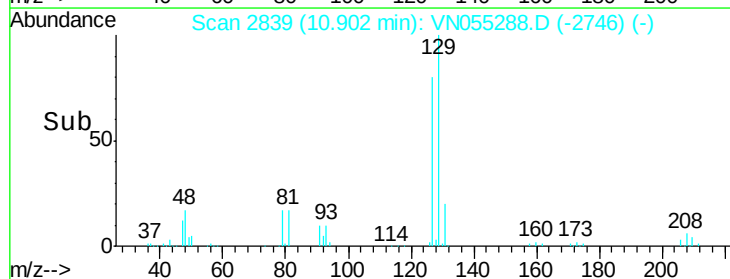
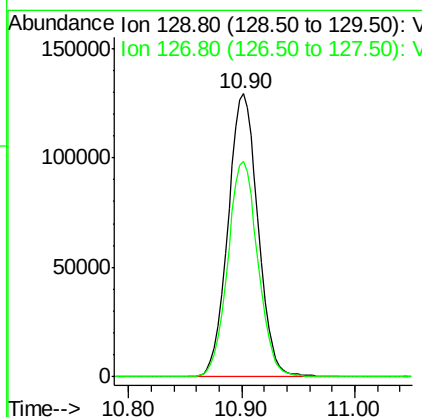
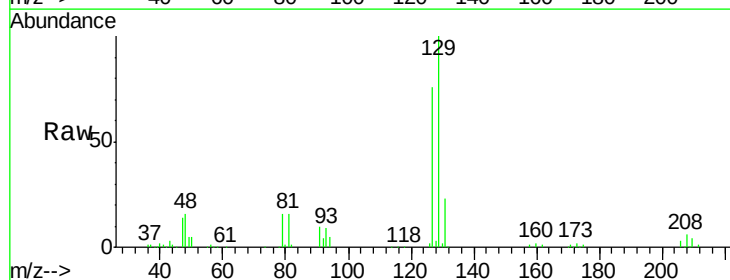
Manual Integrations
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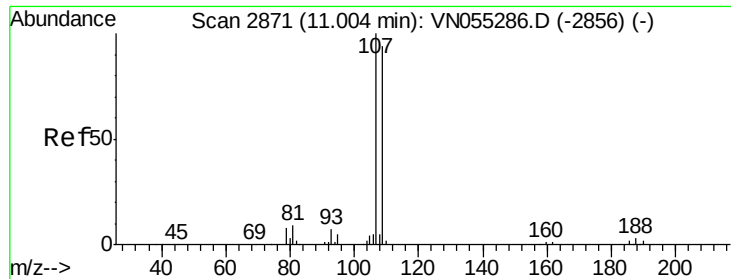
MMDadoda
4/30/2019 11:59:14 AM



#60
Dibromochloromethane
Concen: 53.979 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	129	Resp	238179
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	38.1	114.5





#61

1,2-Dibromoethane

Concen: 52.050 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion: 107 Resp: 207703

Ion Ratio Lower Upper

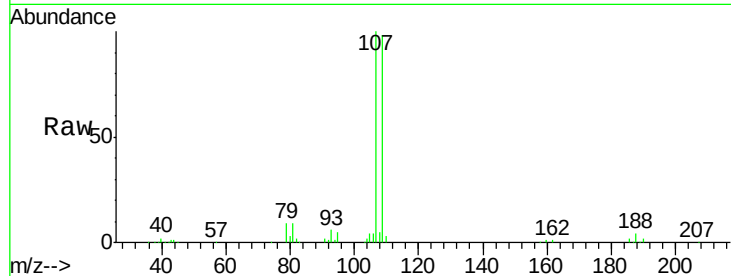
107 100

109 94.6 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

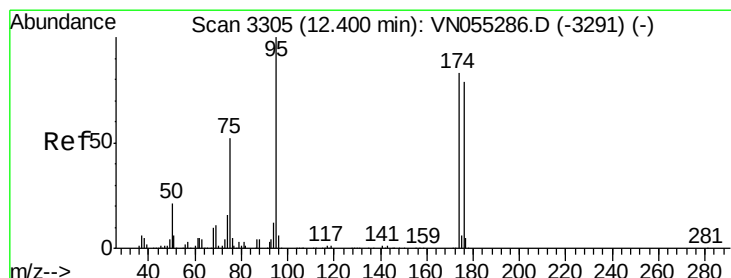
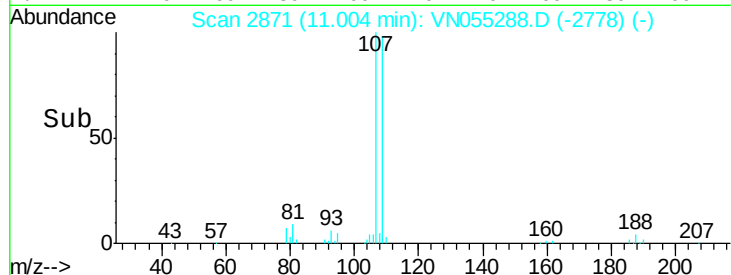
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 54.090 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

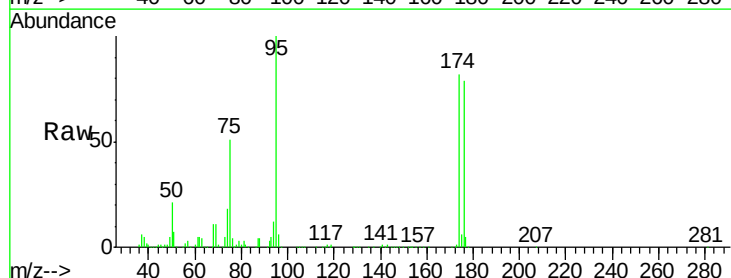
Tgt Ion: 95 Resp: 287518

Ion Ratio Lower Upper

95 100

174 82.2 0.0 166.6

176 80.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

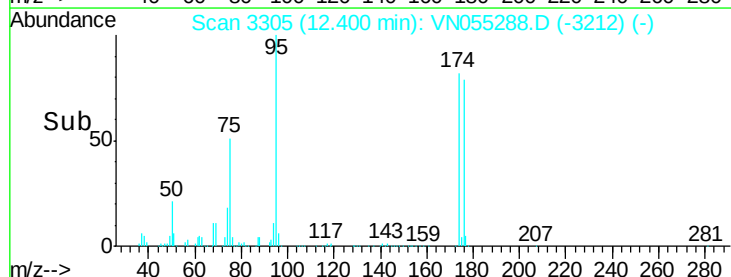
150000

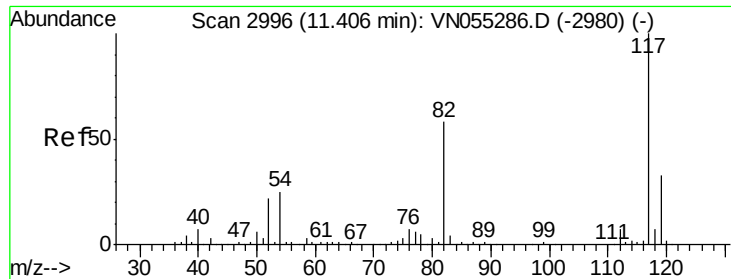
100000

50000

0

Time--> 12.30 12.35 12.40 12.45





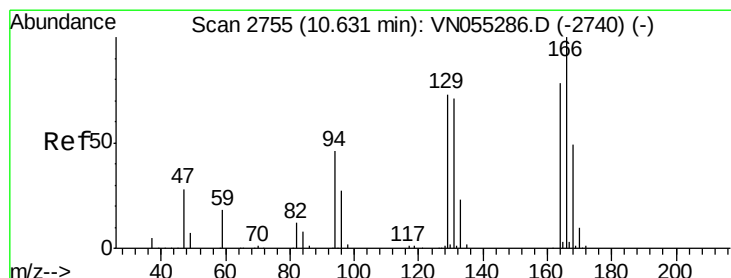
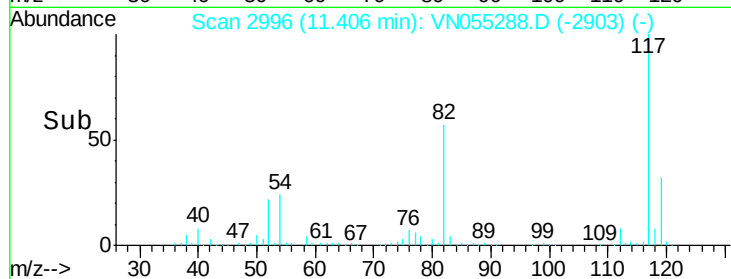
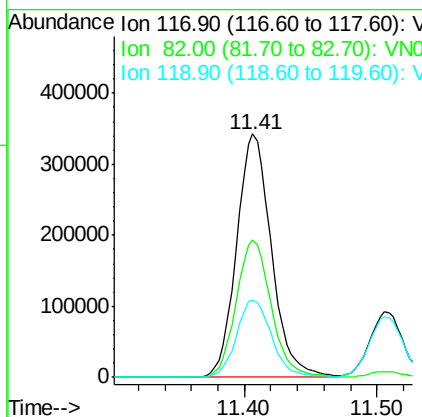
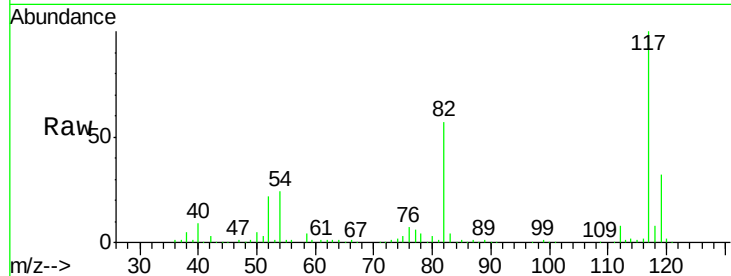
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.2	69.4
119	32.0	26.6	40.0

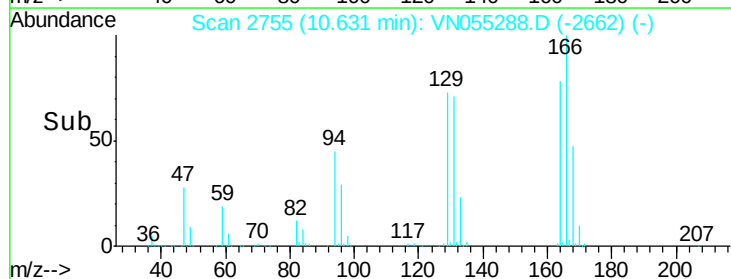
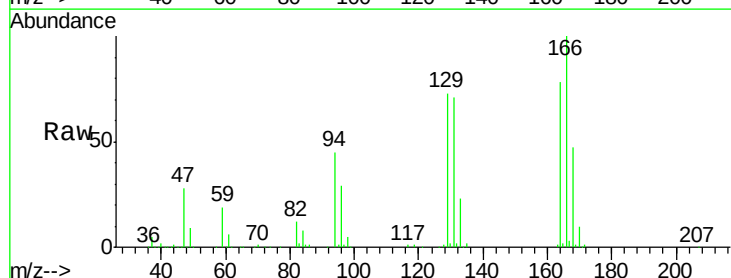
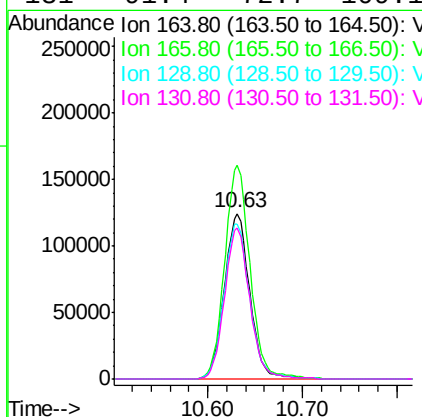
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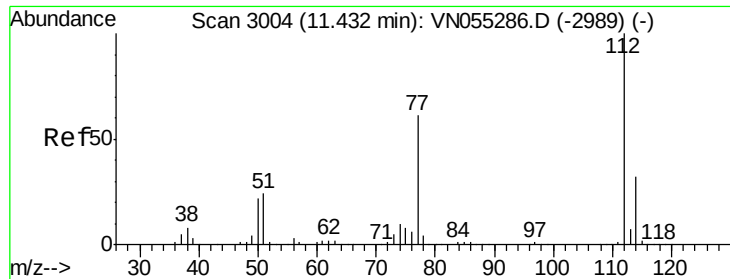
MMDadoda
4/30/2019 11:59:14 AM



#64
Tetrachloroethene
Concen: 45.252 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.3	153.5
129	93.9	75.0	112.6
131	91.4	72.7	109.1





#65

Chlorobenzene

Concen: 49.667 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion:112 Resp: 608191

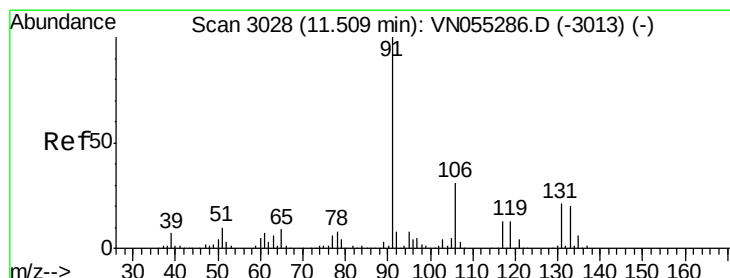
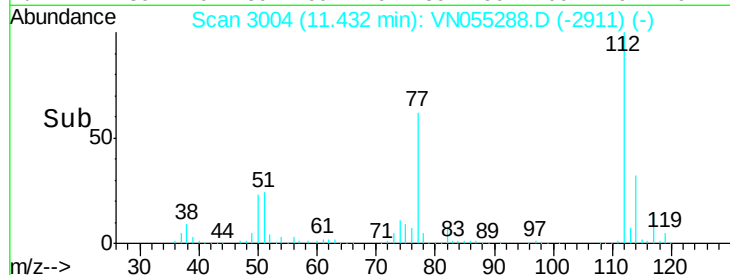
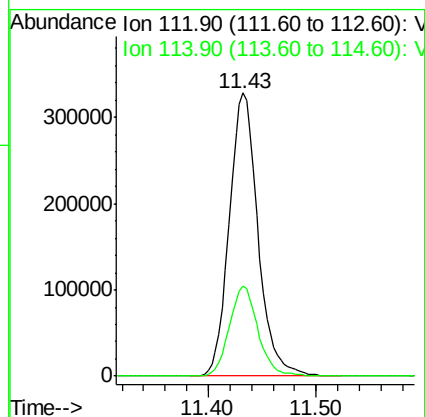
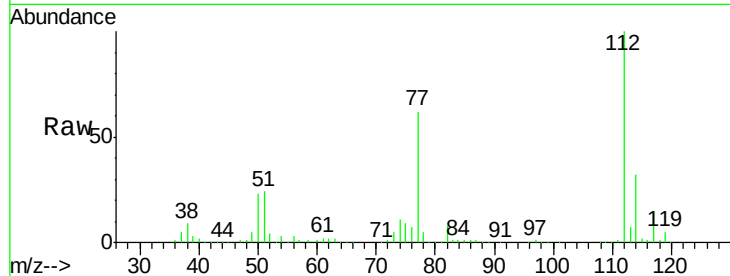
Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9

Manual Integrations
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MMDadoda
4/30/2019 11:59:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.708 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

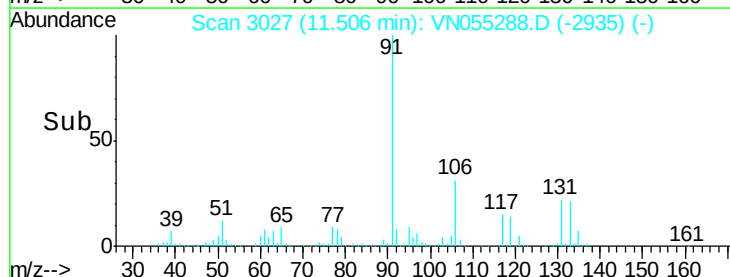
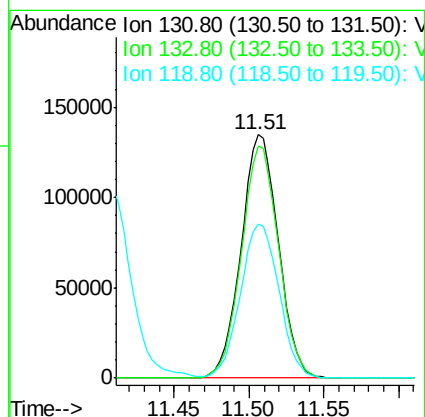
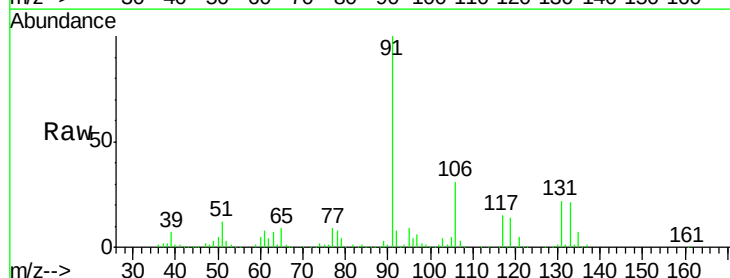
Tgt Ion:131 Resp: 233548

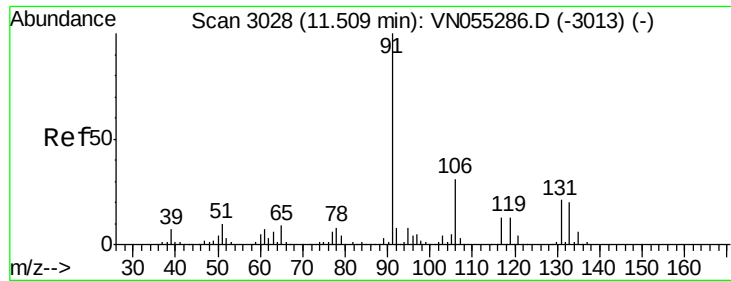
Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.6

119 65.6 32.7 98.1





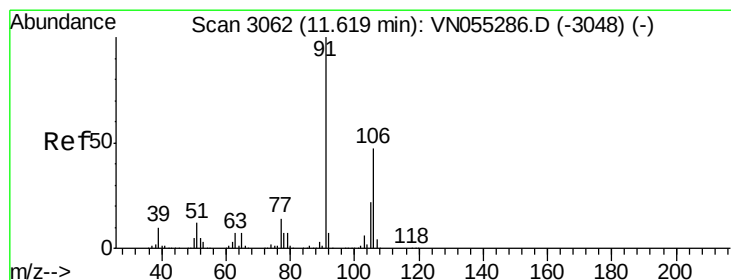
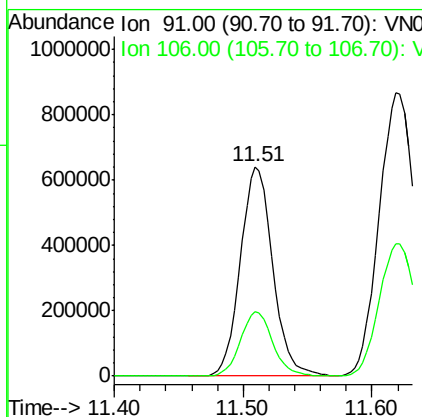
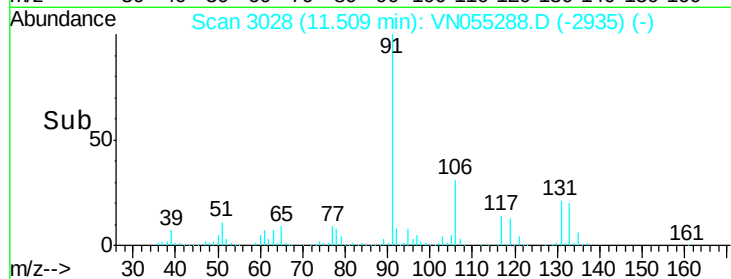
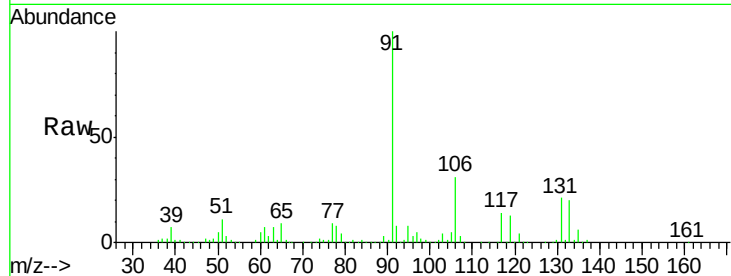
#67
Ethyl Benzene
Concen: 50.804 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion: 91 Resp: 1123389
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

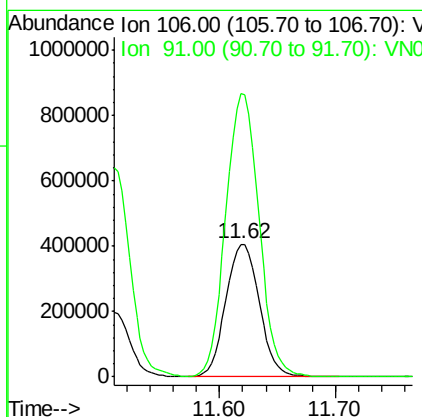
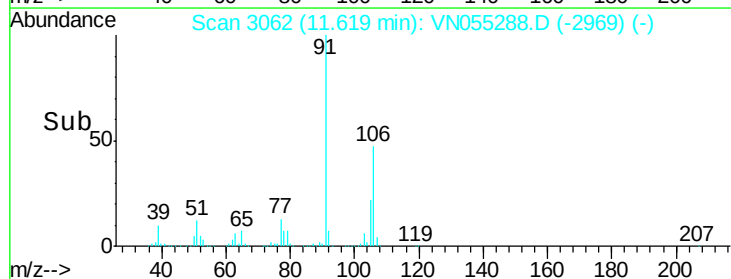
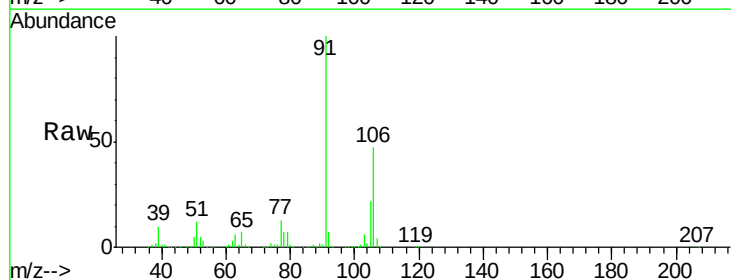
Manual Integrations
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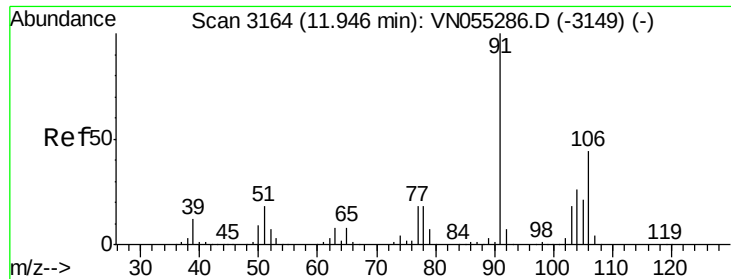
MMDadoda
4/30/2019 11:59:14 AM



#68
m/p-Xylenes
Concen: 103.343 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 106 Resp: 815673
Ion Ratio Lower Upper
106 100
91 211.6 169.5 254.3





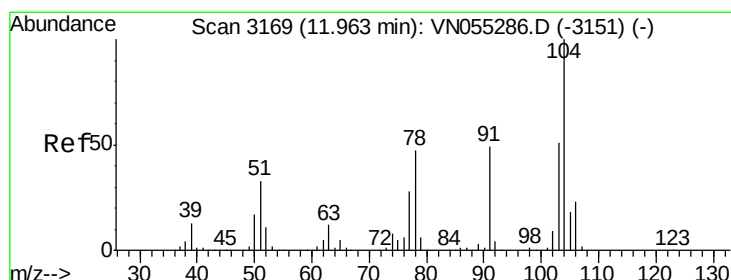
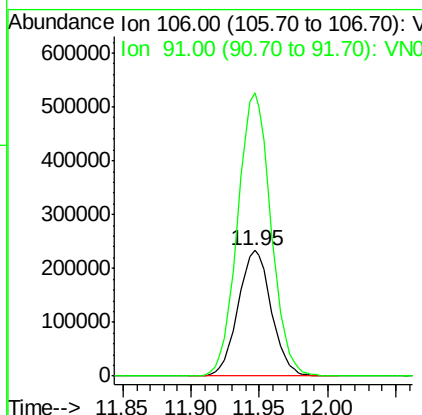
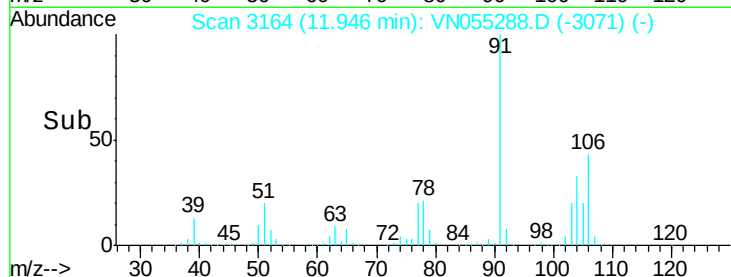
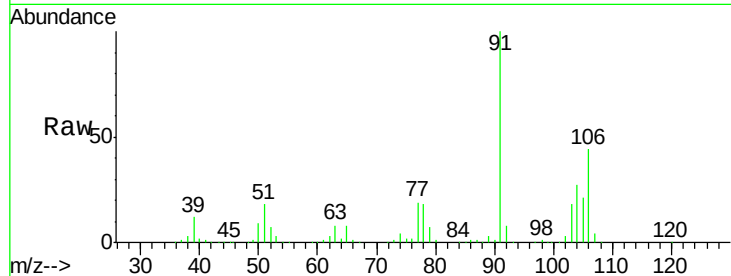
#69
o-Xylene
Concen: 50.609 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN042919

Tot Ion:106 Resp: 395923
Ion Ratio Lower Upper
106 100
91 225.0 111.5 334.5

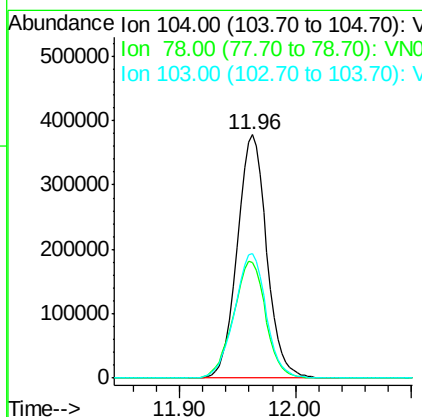
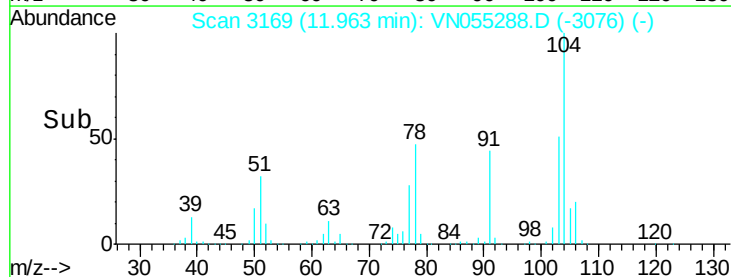
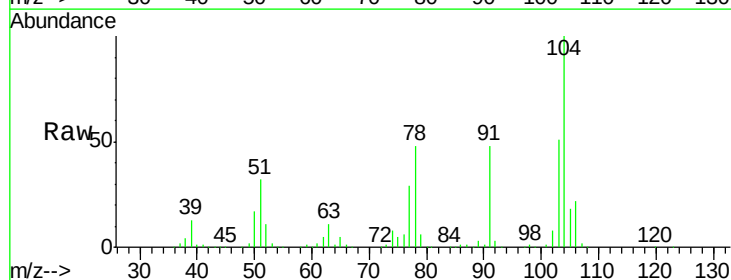
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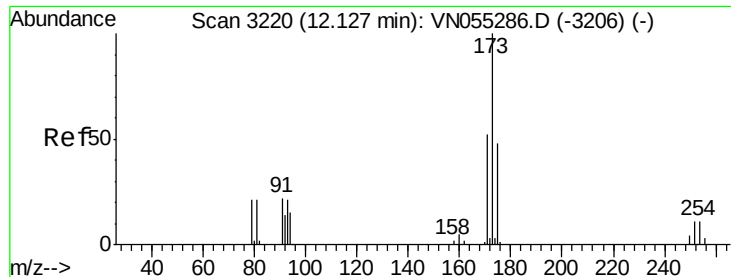
MMDadoda
4/30/2019 11:59:14 AM



#70
Styrene
Concen: 55.151 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion:104 Resp: 662456
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.2 44.6 67.0





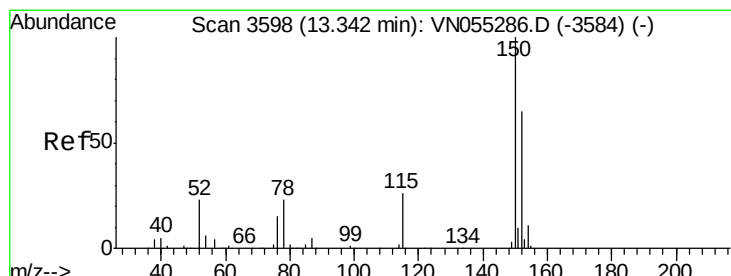
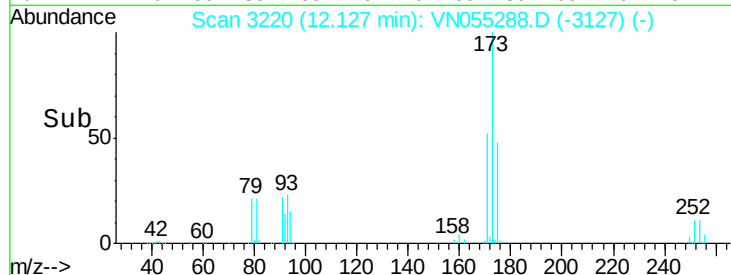
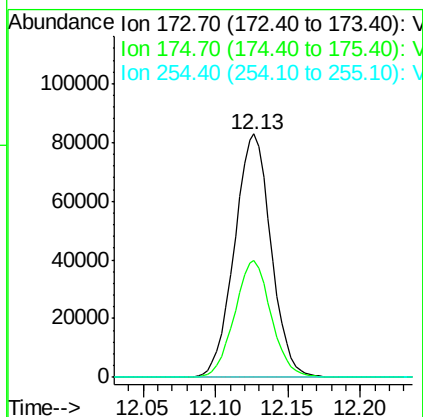
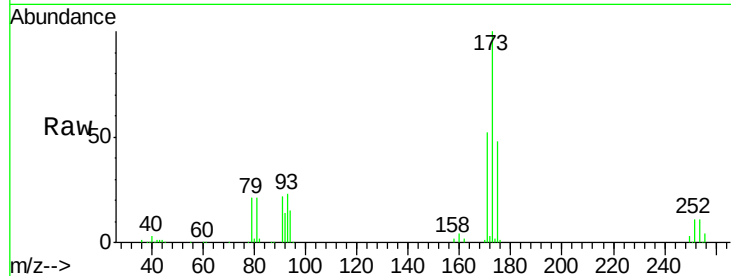
#71
Bromoform
Concen: 54.489 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.6	71.0
254	0.1	0.0	0.0

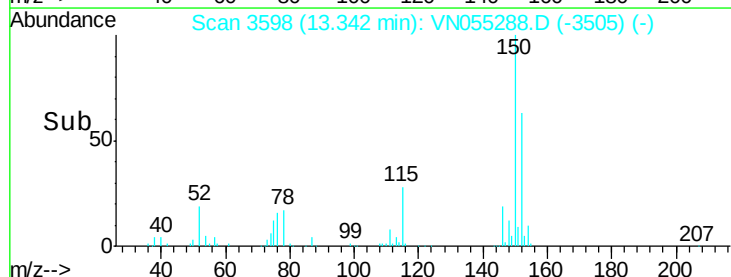
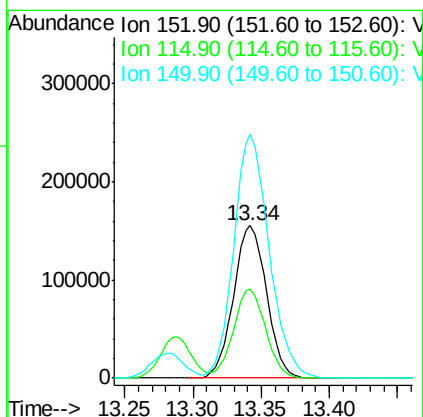
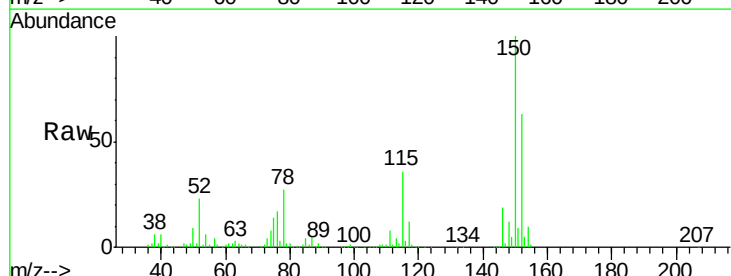
Manual Integrations
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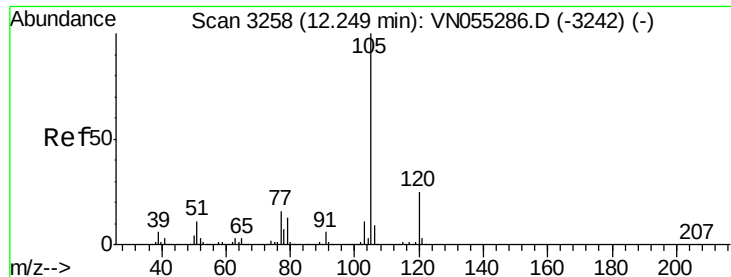
MMDadoda
4/30/2019 11:59:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	29.0	87.0
150	171.1	0.0	345.6





#73

Isopropylbenzene

Concen: 51.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion:105 Resp: 1068940

Ion Ratio Lower Upper

105 100

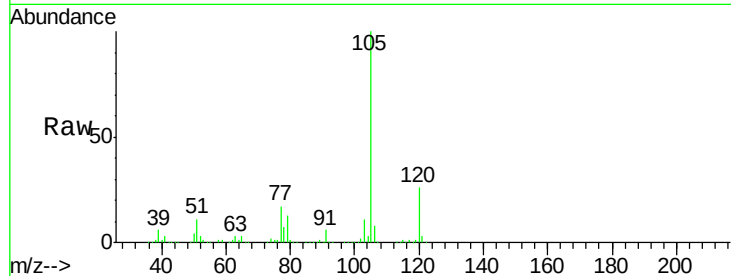
120 25.8 12.9 38.7

Manual Integrations

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4/30/2019 11:59:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

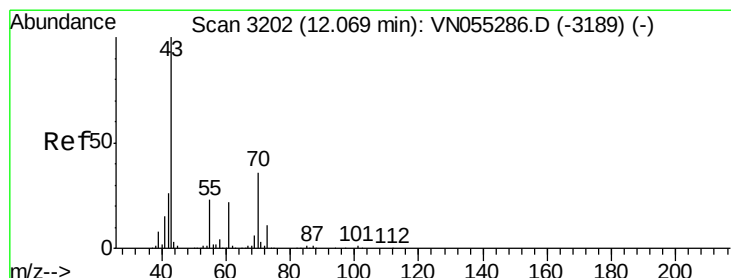
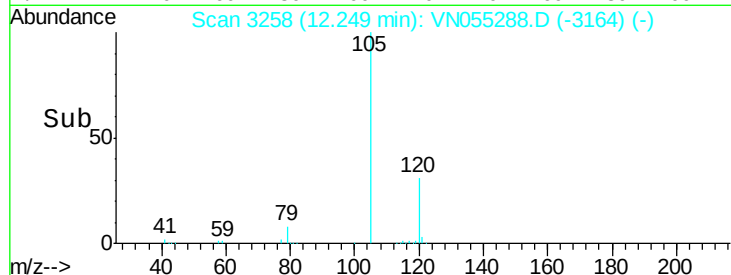
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 51.110 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion: 43 Resp: 341720

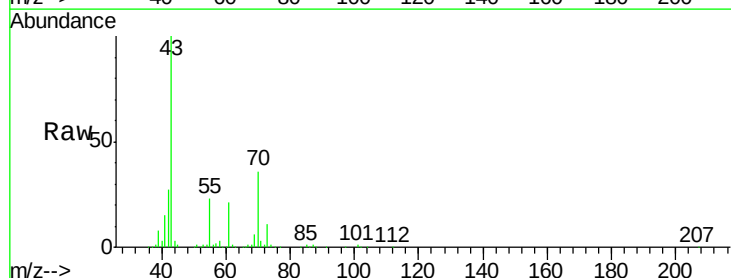
Ion Ratio Lower Upper

43 100

70 36.0 27.9 41.9

55 23.2 18.2 27.2

61 21.4 16.9 25.3



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

300000

250000

200000

150000

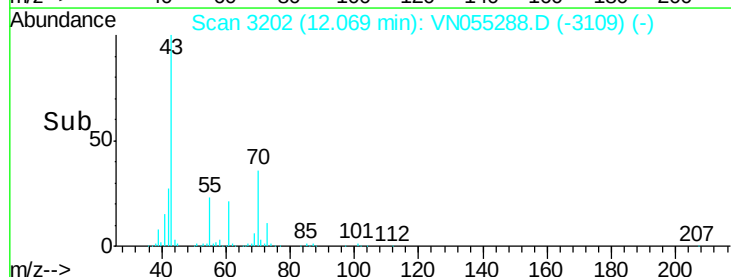
100000

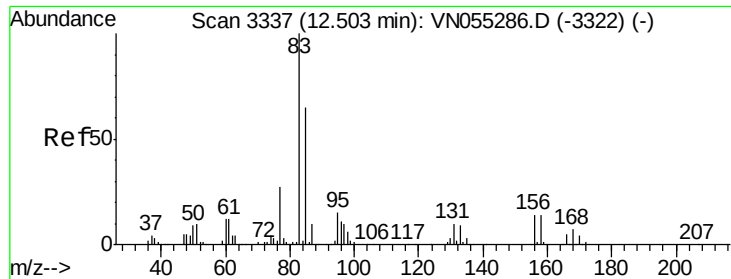
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 51.489 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

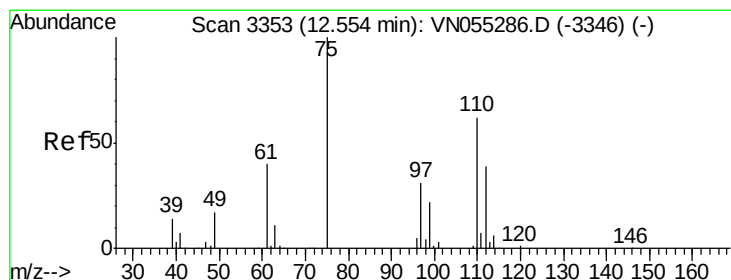
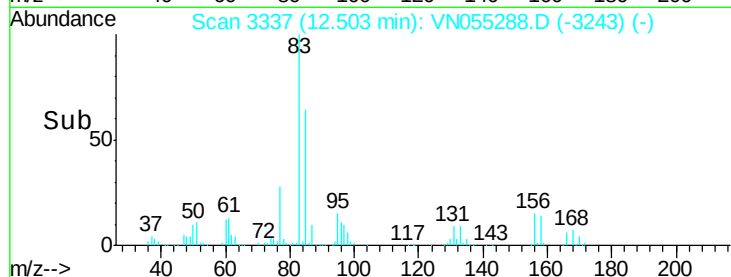
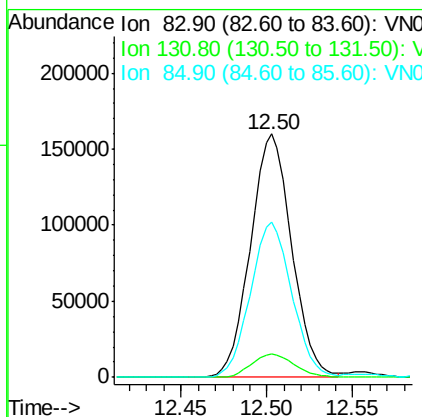
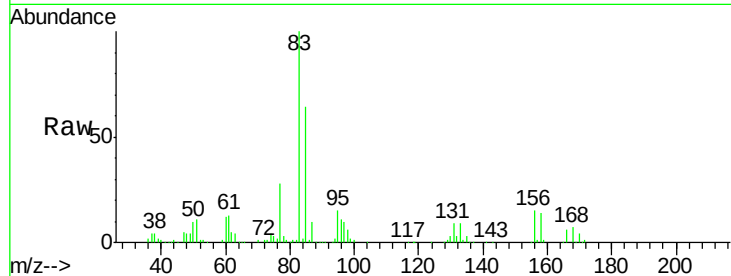
ClientSampleId :

ICVVN042919

Tot Ion:	83	Resp:	265289
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	63.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 47.195 ug/l m

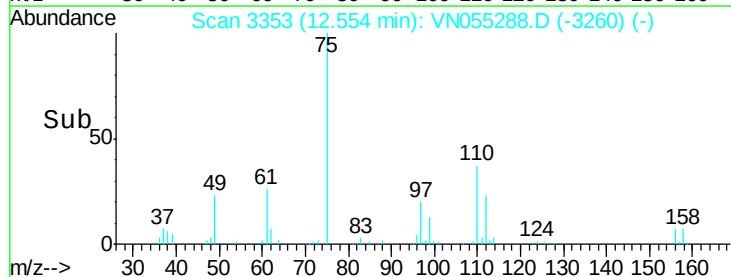
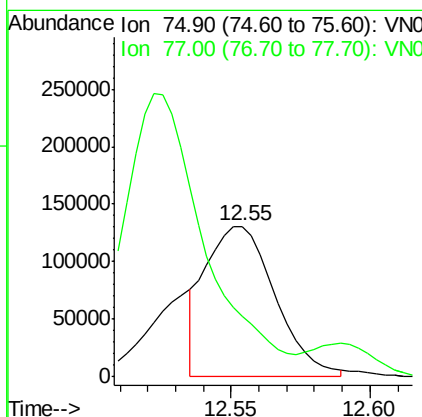
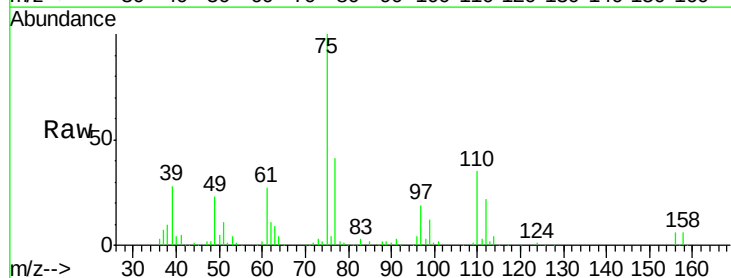
RT: 12.55 min Scan# 3353

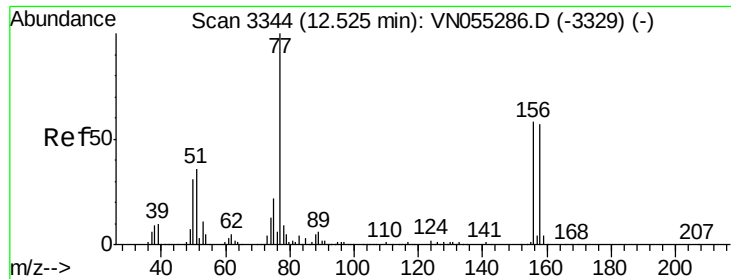
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	75	Resp:	229223
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.891 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

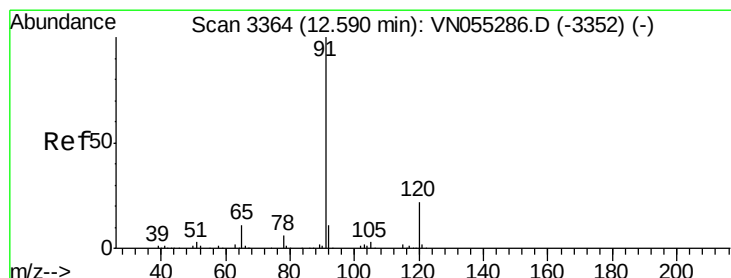
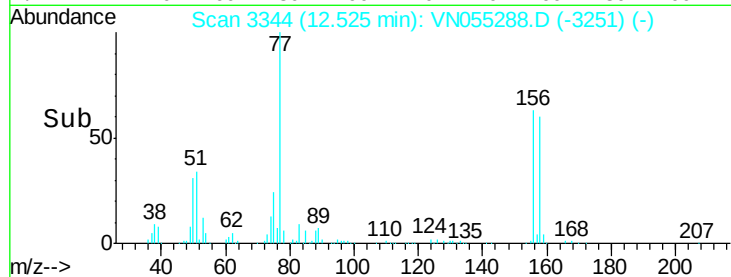
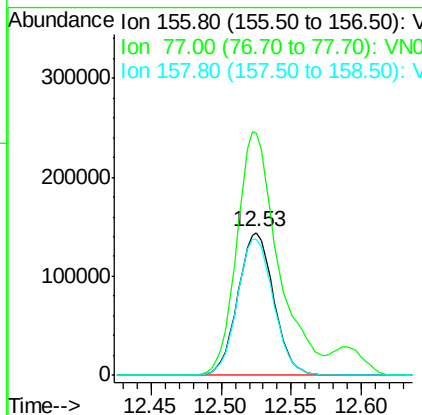
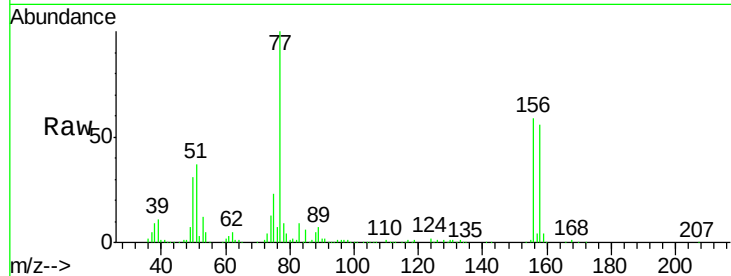
ClientSampleId :

ICVVN042919

Tot Ion:	156	Resp:	257474
Ion Ratio	Lower	Upper	
156	100		
77	196.5	99.6	298.8
158	96.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.194 ug/l

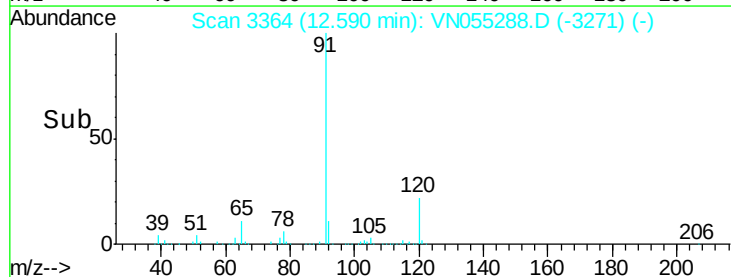
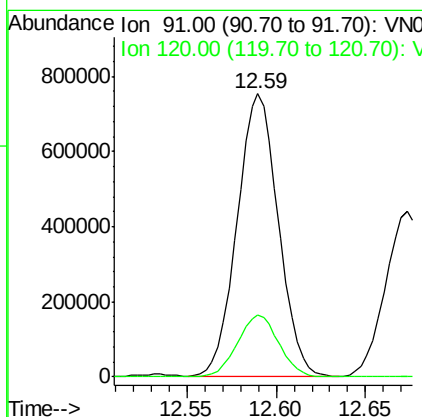
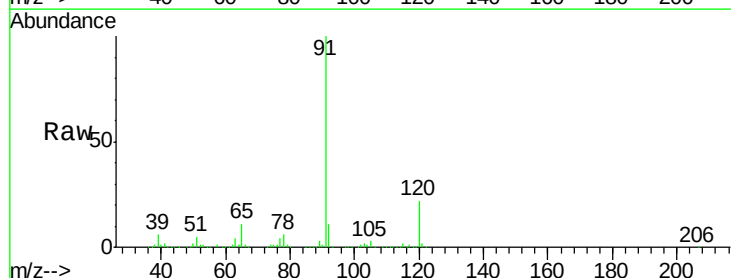
RT: 12.59 min Scan# 3364

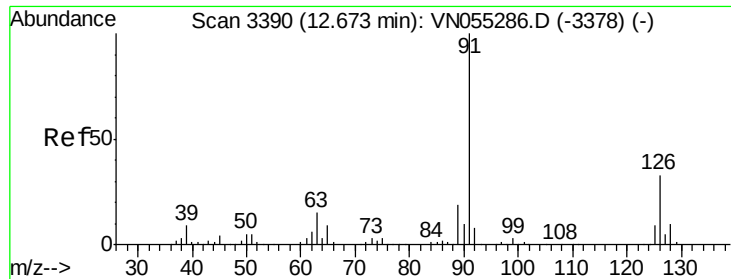
Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	91	Resp:	1209447
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 51.959 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN042919

Tot Ion: 91 Resp: 732140

Ion Ratio Lower Upper

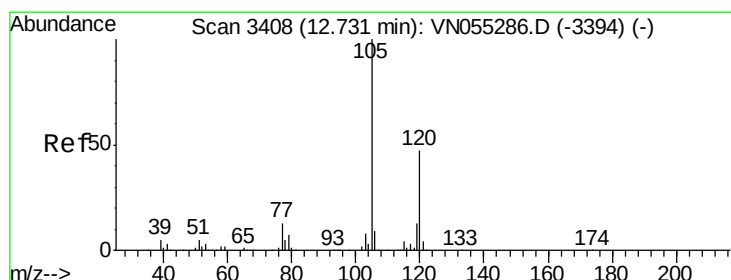
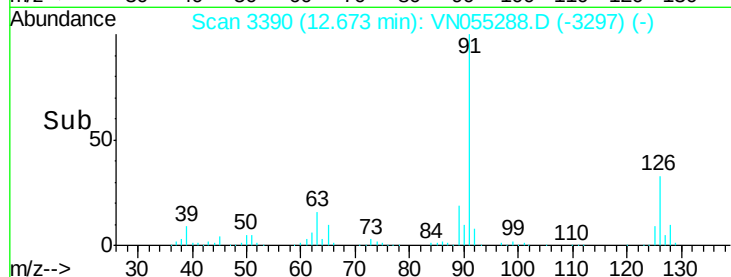
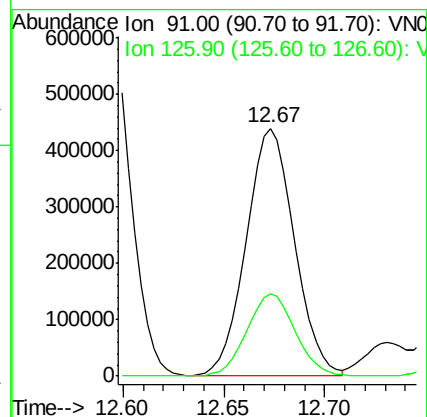
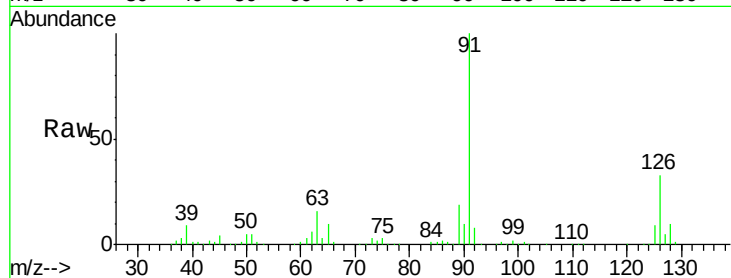
91 100

126 33.5 16.6 49.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 43.459 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055288.D

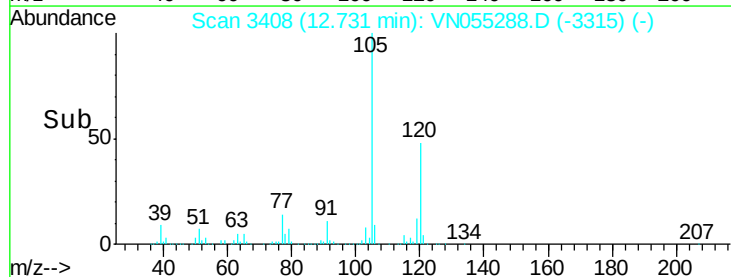
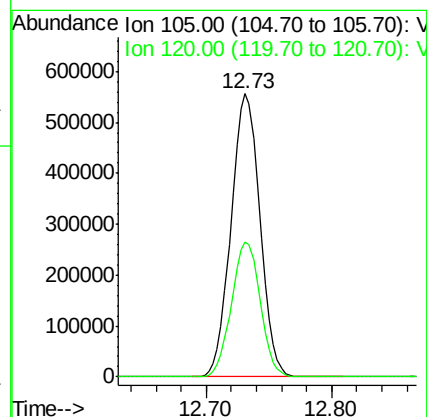
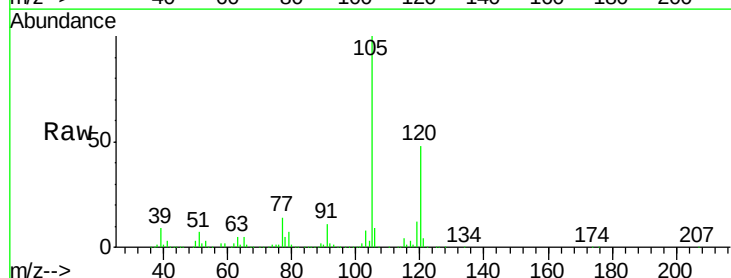
Acq: 29 Apr 2019 12:23

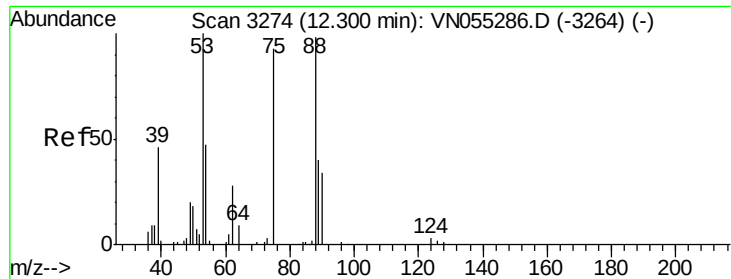
Tgt Ion: 105 Resp: 887608

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.873 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

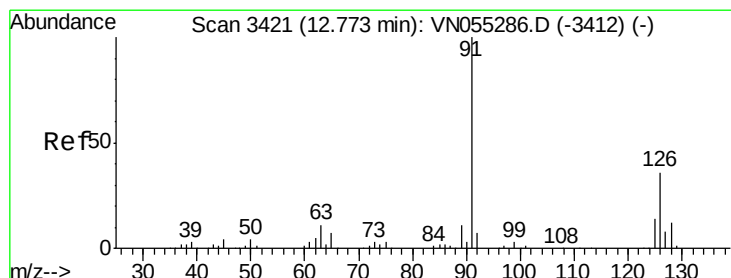
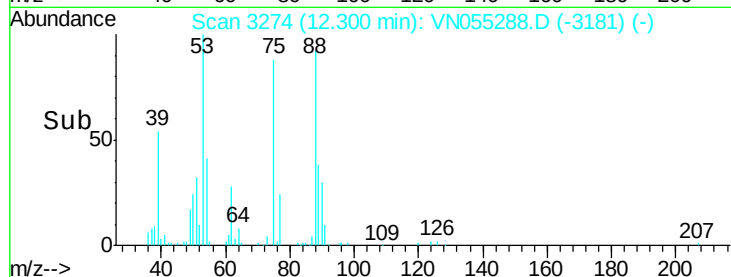
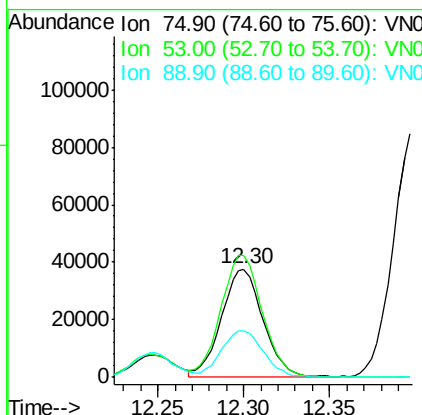
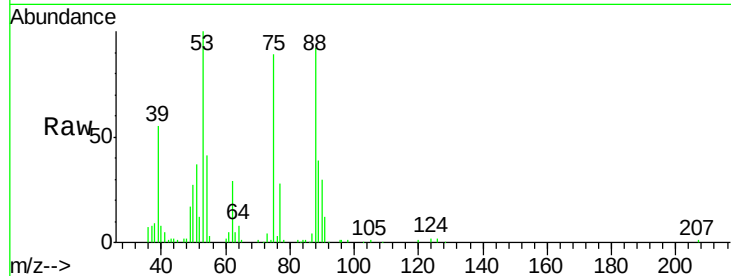
ClientSampleId :

ICVVN042919

Tot Ion:	75	Resp:	63063
Ion	Ratio	Lower	Upper
75	100		
53	114.1	86.3	129.5
89	44.7	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.735 ug/l

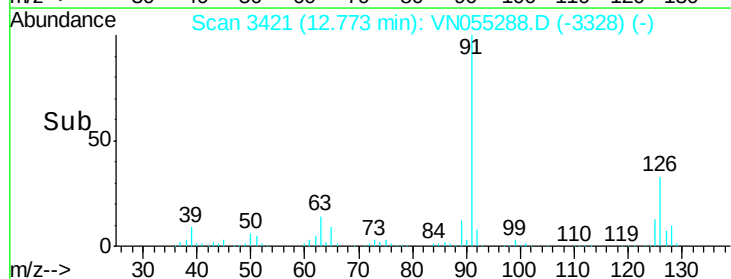
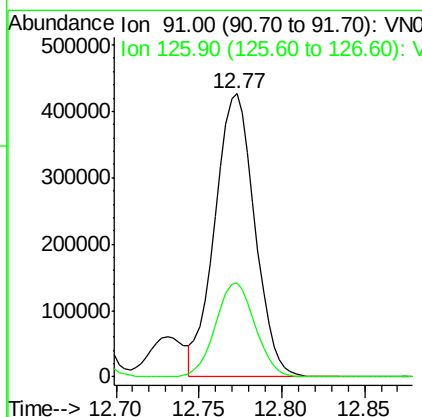
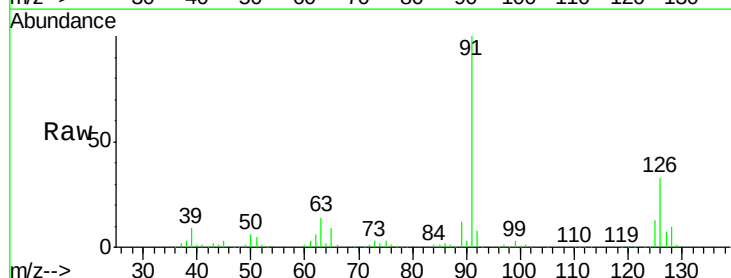
RT: 12.77 min Scan# 3421

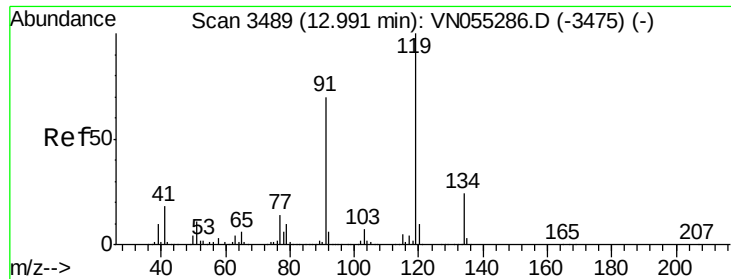
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	91	Resp:	711631
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7





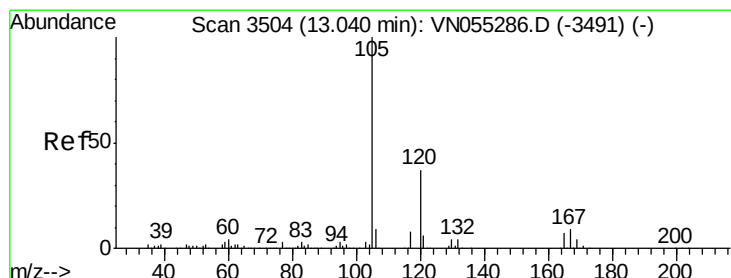
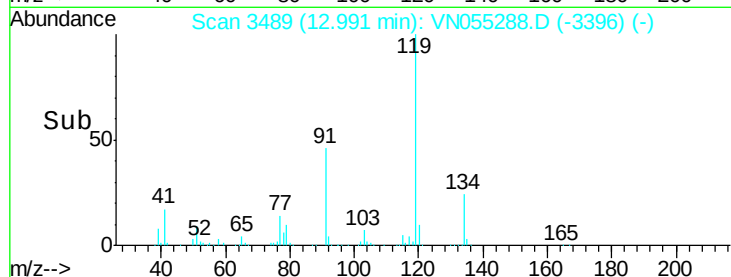
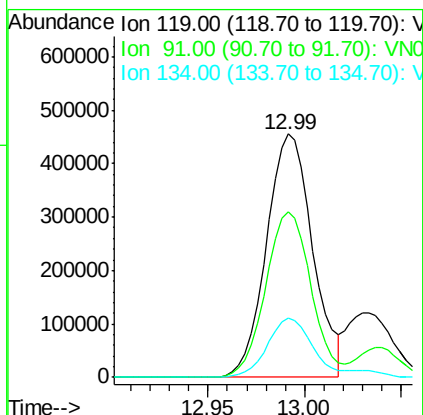
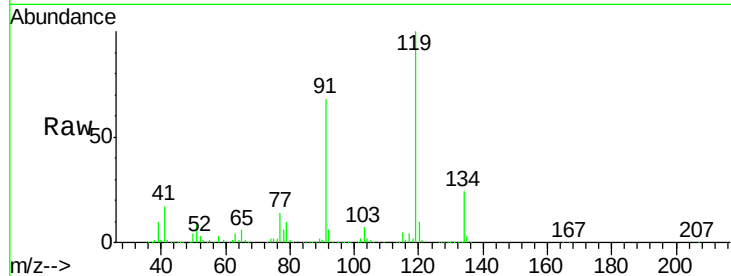
#83
tert-Butylbenzene
Concen: 52.401 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN042919

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.3	102.9
134	25.7	13.1	39.3

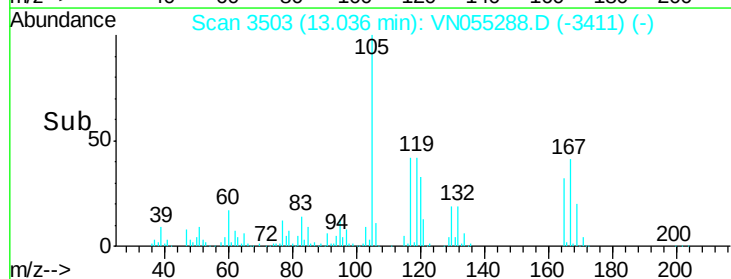
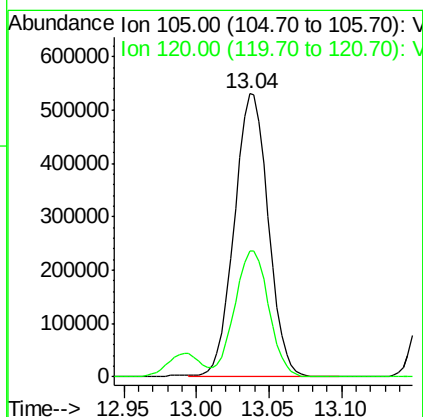
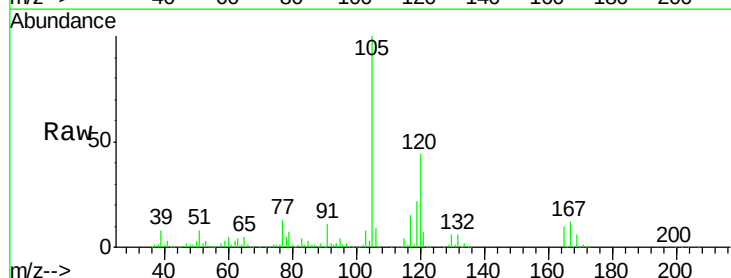
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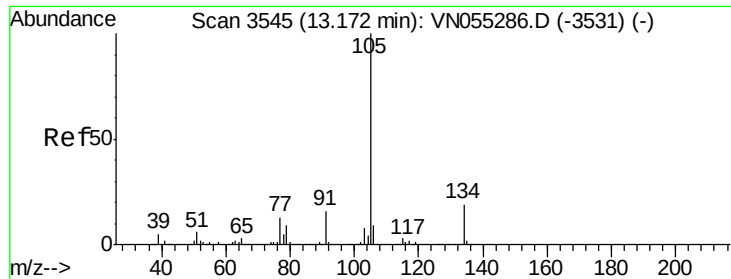
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#84
1,2,4-Trimethylbenzene
Concen: 47.220 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 44.268 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tot Ion:105 Resp: 982710

Ion Ratio Lower Upper

105 100

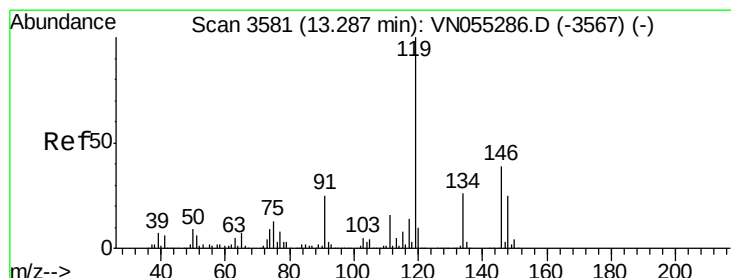
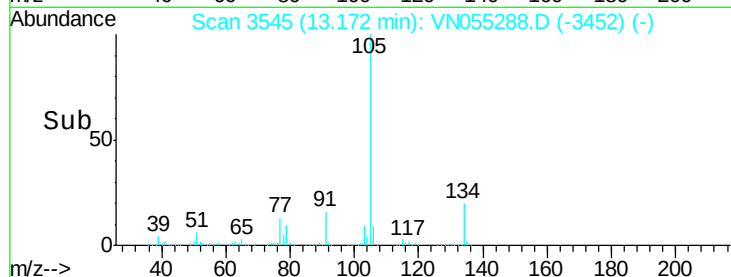
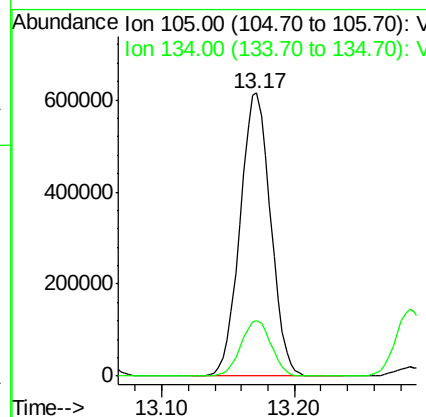
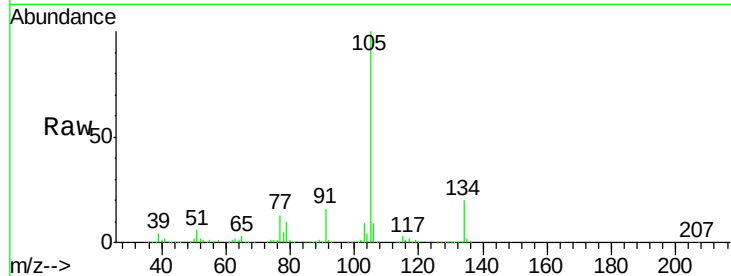
134 19.6 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 47.555 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

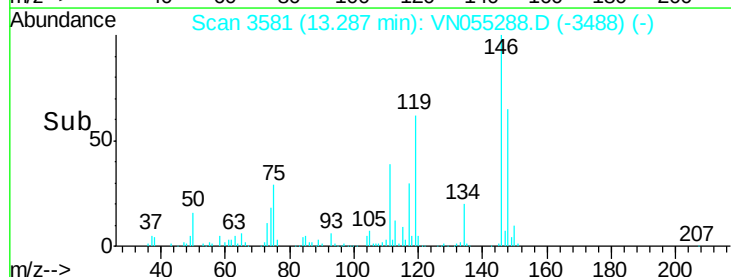
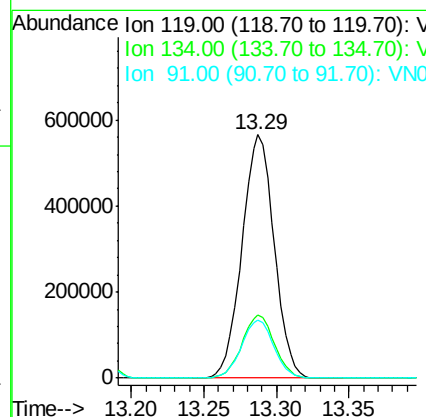
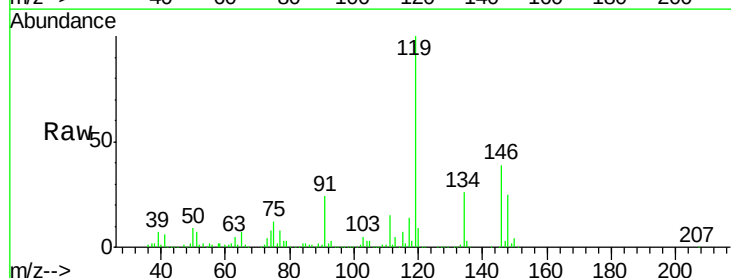
Tgt Ion:119 Resp: 867682

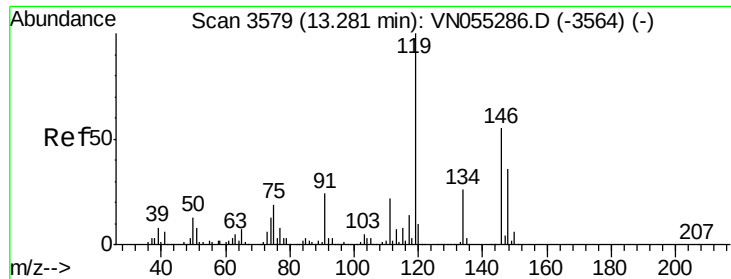
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.9 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 48.988 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

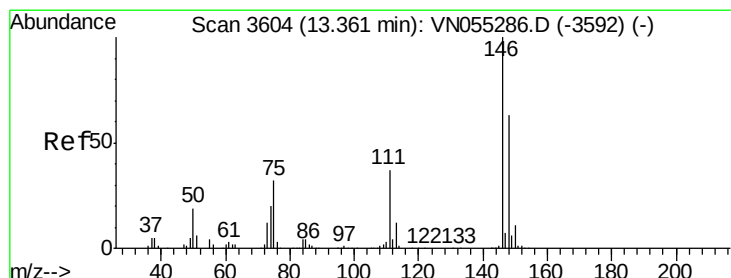
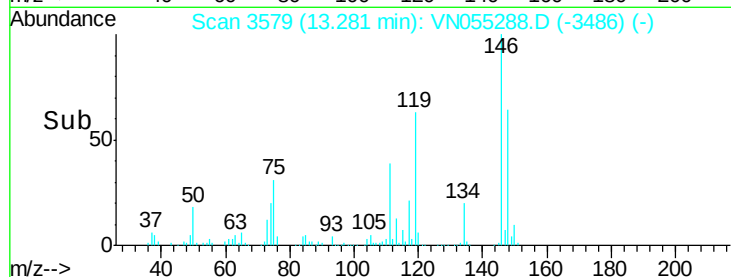
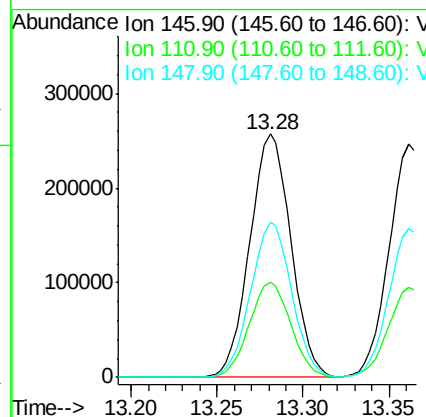
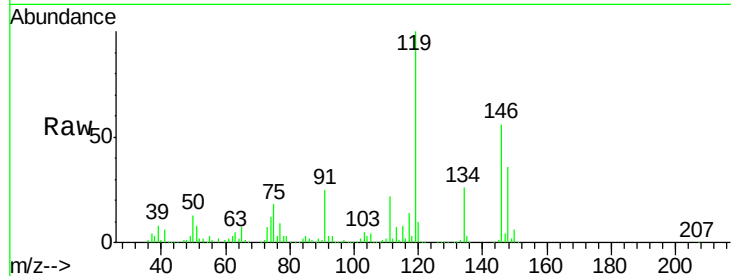
ClientSampled :

ICVVN042919

Tot Ion:	146	Resp:	427069
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.3	60.8
148	63.4	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 49.480 ug/l

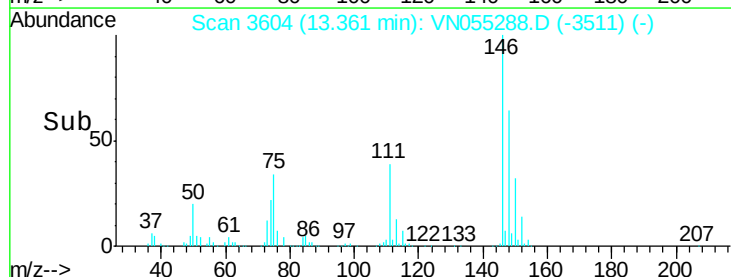
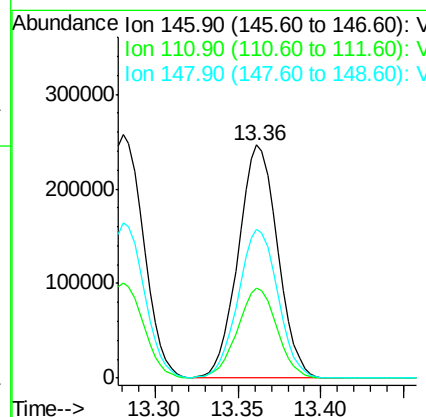
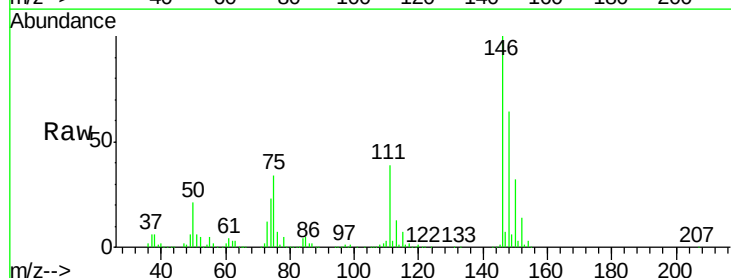
RT: 13.36 min Scan# 3604

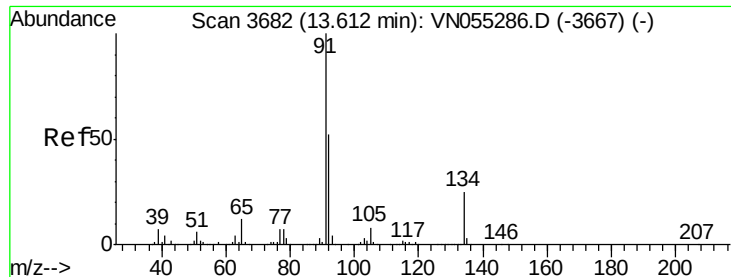
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	146	Resp:	406223
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.5	58.5
148	64.5	32.5	97.4





#89

n-Butylbenzene

Concen: 54.213 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

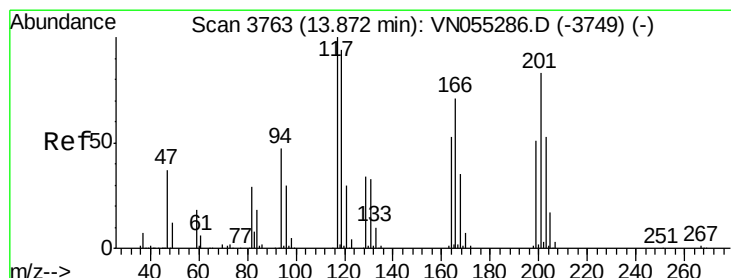
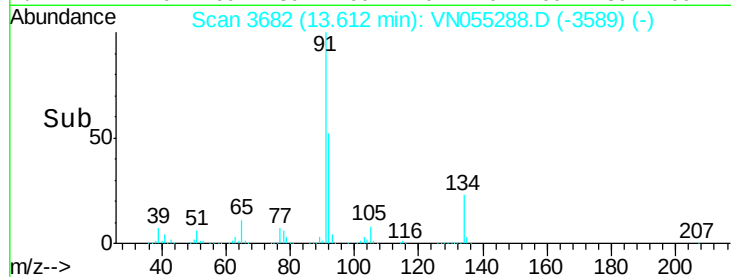
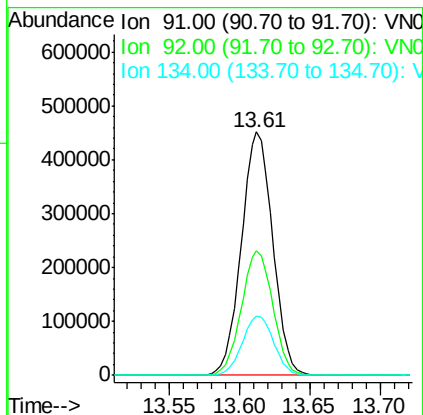
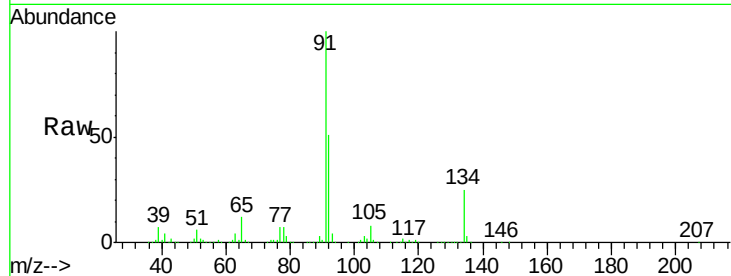
ClientSampleId :

ICVVN042919

Tot Ion:	91	Resp:	702876
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.3
134	24.5	12.4	37.4

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#90

Hexachloroethane

Concen: 50.948 ug/l

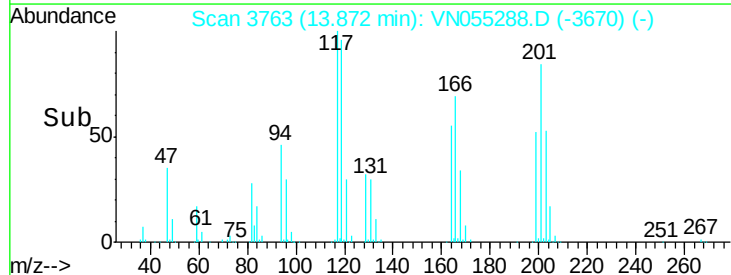
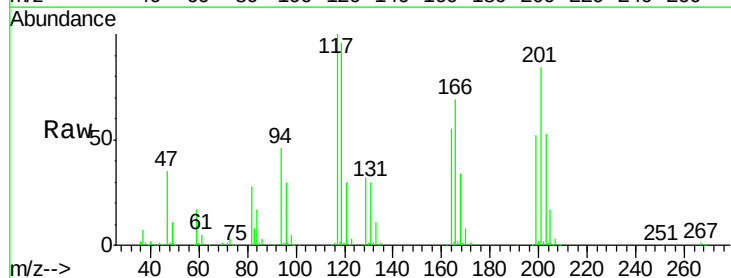
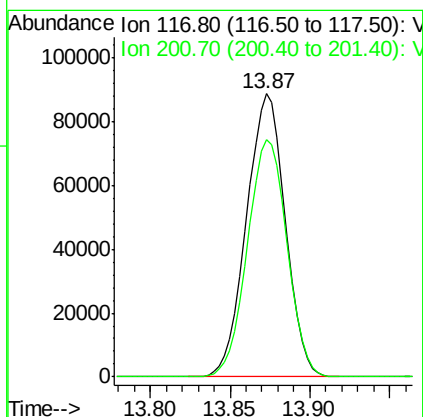
RT: 13.87 min Scan# 3763

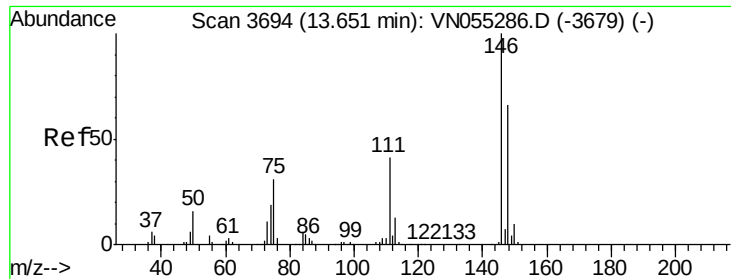
Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	117	Resp:	147101
Ion	Ratio	Lower	Upper
117	100		
201	85.5	41.9	125.8





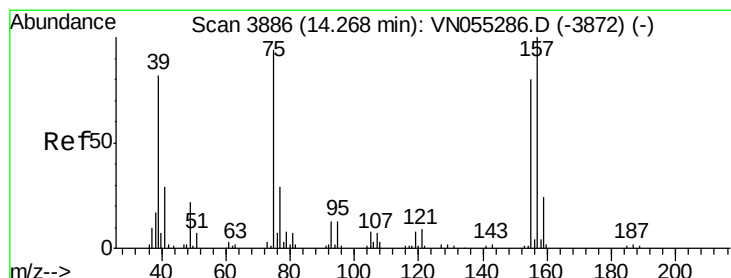
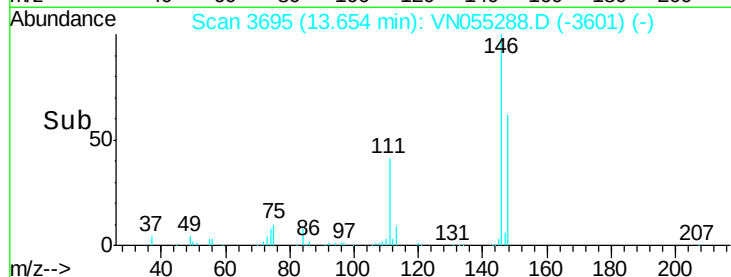
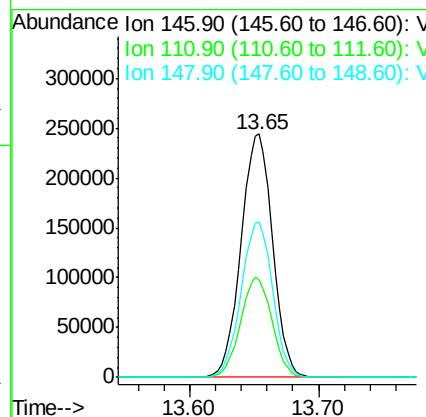
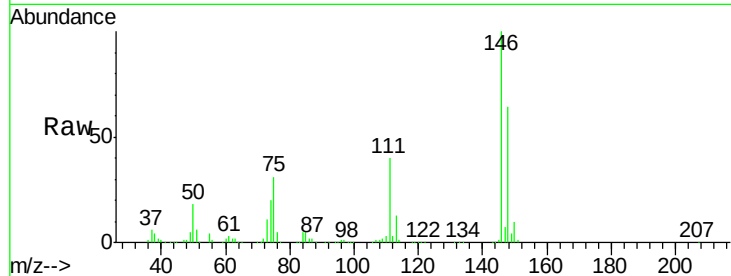
#91
 1,2-Dichlorobenzene
 Concen: 48.107 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	63.8	32.4	97.2

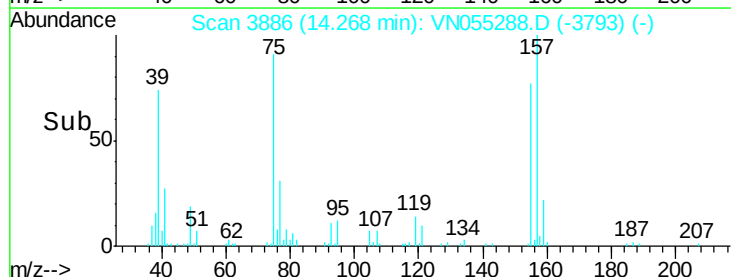
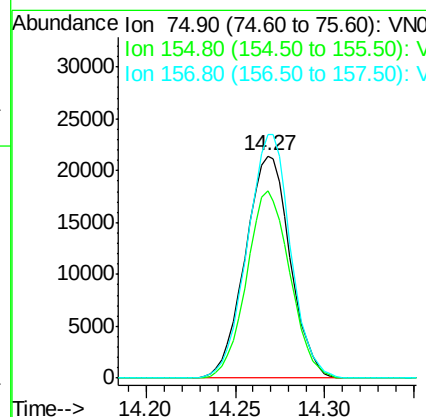
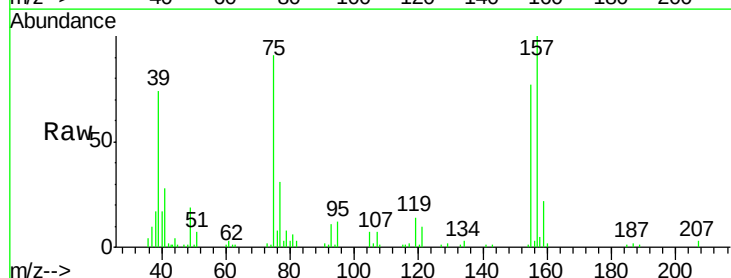
Manual Integrations
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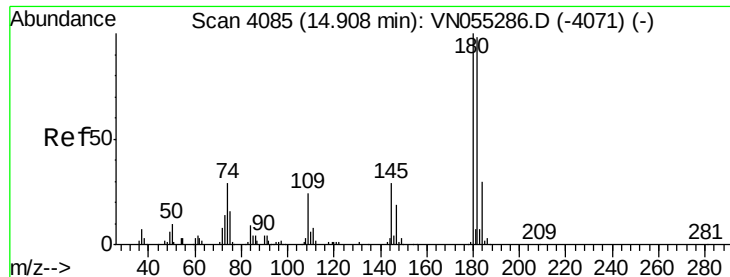
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.840 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	41.5	124.6
157	105.7	54.0	162.2





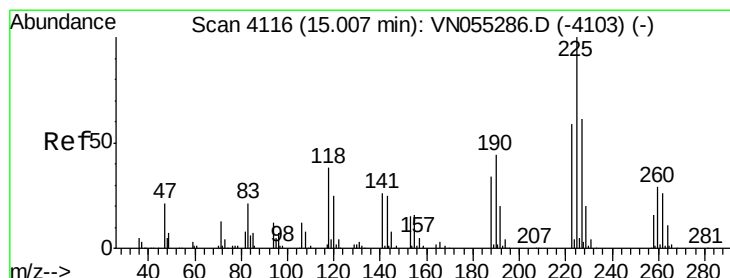
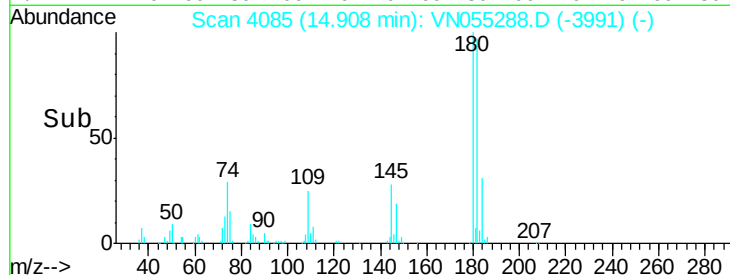
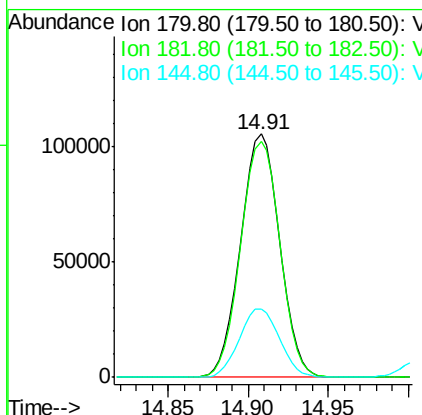
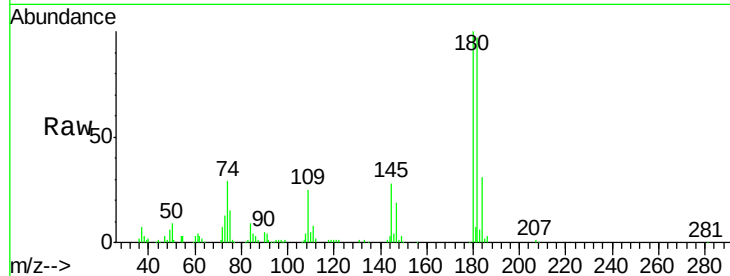
#93
 1,2,4-Trichlorobenzene
 Concen: 51.493 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042919

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175764		
182	97.5	48.3	144.9	
145	28.9	14.2	42.6	

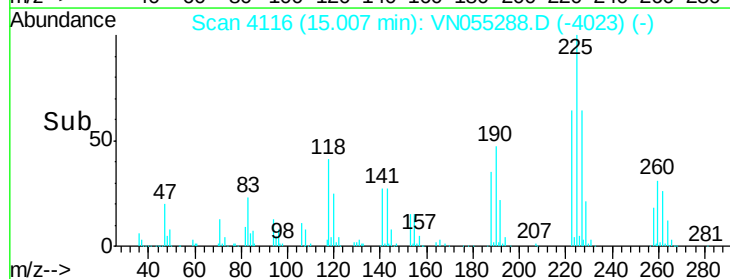
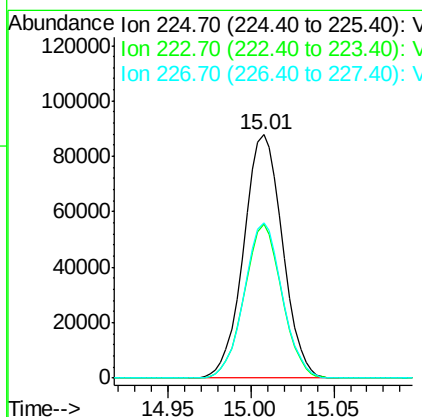
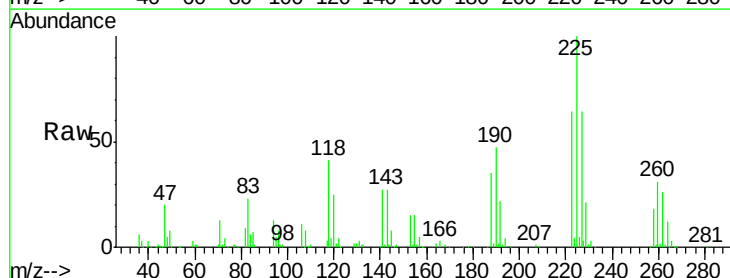
Manual Integrations
 APPROVED

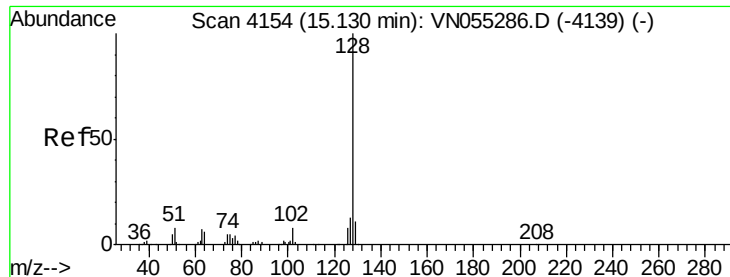
MMDadoda
 4/30/2019 11:59:14 AM



#94
 Hexachlorobutadiene
 Concen: 55.539 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143595		
223	61.3	30.3	90.8	
227	62.6	30.9	92.7	





#95

Naphthalene

Concen: 51.469 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

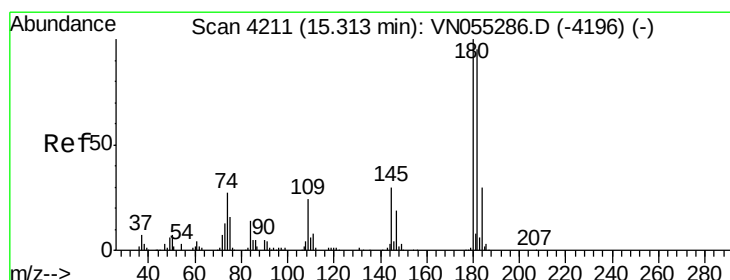
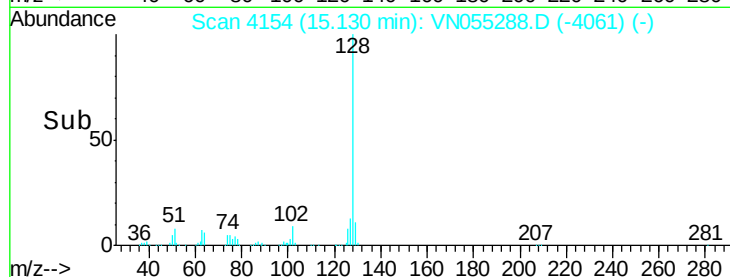
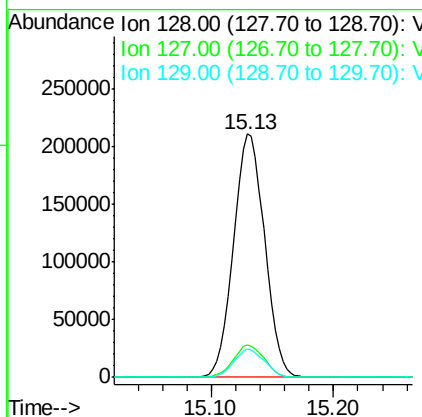
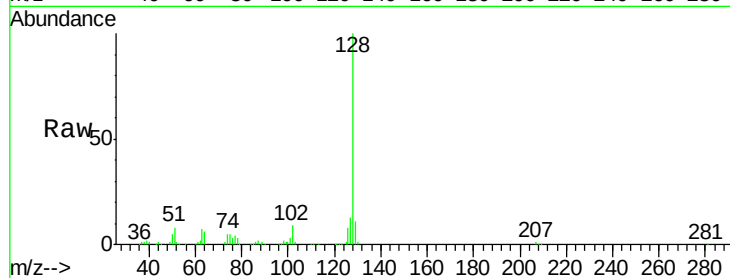
ClientSampleId :

ICVVN042919

Tot Ion:	128	Resp:	373471
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:59:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.001 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion:	180	Resp:	174812
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.3	144.9
145	31.8	15.2	45.6

