

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055307.D
 Acq On : 30 Apr 2019 14:45
 Operator : JC/SP
 Sample : VN0430WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 3:01:21 PM

Quant Time: May 01 09:03:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	367352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	611086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	251816	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	7.59	113	199957	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.09	98	716895	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.40	95	228954	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93668	20.811	ug/l	99
3) Chloromethane	2.06	50	111219	19.956	ug/l	99
4) Vinyl Chloride	2.19	62	90157	20.068	ug/l	99
5) Bromomethane	2.56	94	48289	20.293	ug/l	98
6) Chloroethane	2.70	64	47712	19.605	ug/l	99
7) Trichlorofluoromethane	3.02	101	127673	19.986	ug/l	99
8) Diethyl Ether	3.41	74	47677	21.332	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74471	19.577	ug/l	99
10) Methyl Iodide	3.95	142	105292	19.668	ug/l	99
11) Tert butyl alcohol	4.78	59	32715	118.901	ug/l	99
12) 1,1-Dichloroethene	3.74	96	72830	20.070	ug/l	98
13) Acrolein	3.61	56	20905	97.288	ug/l	96
14) Allyl chloride	4.33	41	150151	19.978	ug/l	98
15) Acrylonitrile	4.99	53	172706	111.671	ug/l	99
16) Acetone	3.82	43	138672	92.607	ug/l	98
17) Carbon Disulfide	4.05	76	182644	19.286	ug/l	99
18) Methyl Acetate	4.33	43	88428	23.697	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	220235	21.588	ug/l	99
20) Methylene Chloride	4.55	84	90924	19.893	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	77939	20.280	ug/l	94
22) Diisopropyl ether	5.96	45	317281	21.247	ug/l	99
23) Vinyl Acetate	5.90	43	1078267	110.174	ug/l	99
24) 1,1-Dichloroethane	5.85	63	162527	20.427	ug/l	99
25) 2-Butanone	6.84	43	207566	108.389	ug/l	100
26) 2,2-Dichloropropane	6.83	77	103991	18.927	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	91101	20.845	ug/l	99
28) Bromochloromethane	7.19	49	83167	20.737	ug/l	96
29) Tetrahydrofuran	7.21	42	142327	116.068	ug/l	99
30) Chloroform	7.37	83	156953	20.810	ug/l	98
31) Cyclohexane	7.65	56	149774	19.813	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	125375	20.482	ug/l	99
36) 1,1-Dichloropropene	7.79	75	112035	19.141	ug/l	98
37) Ethyl Acetate	6.93	43	92126	20.536	ug/l	98
38) Carbon Tetrachloride	7.77	117	105131	18.619	ug/l	93

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116863	18.778	ug/l	98
40) Benzene	8.04	78	338657	19.627	ug/l	99
41) Methacrylonitrile	7.18	41	50014	21.035	ug/l	95
42) 1,2-Dichloroethane	8.12	62	122079	19.976	ug/l	99
43) Isopropyl Acetate	8.17	43	164760	22.854	ug/l #	85
44) Trichloroethene	8.84	130	85836	19.514	ug/l	98
45) 1,2-Dichloropropane	9.12	63	96396	19.370	ug/l	97
46) Dibromomethane	9.21	93	55154	20.275	ug/l	99
47) Bromodichloromethane	9.40	83	115287	19.755	ug/l	99
48) Methyl methacrylate	9.20	41	73005	20.599	ug/l	98
49) 1,4-Dioxane	9.20	88	17058	465.599	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	442275	108.963	ug/l	100
52) Toluene	10.16	92	198366	20.036	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	102529	20.238	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	128672	20.371	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76287	20.750	ug/l	98
56) Ethyl methacrylate	10.43	69	96447	21.314	ug/l	97
57) 1,3-Dichloropropane	10.71	76	131625	20.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	142986	109.169	ug/l	100
59) 2-Hexanone	10.75	43	282838	111.370	ug/l	98
60) Dibromochloromethane	10.90	129	75991	20.224	ug/l	98
61) 1,2-Dibromoethane	11.00	107	70201	20.659	ug/l	98
64) Tetrachloroethene	10.63	164	81601	18.936	ug/l	96
65) Chlorobenzene	11.43	112	199901	19.403	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76420	18.943	ug/l	100
67) Ethyl Benzene	11.51	91	366825	19.717	ug/l	99
68) m/p-Xylenes	11.62	106	264324	39.803	ug/l	99
69) o-Xylene	11.95	106	132634	20.150	ug/l	100
70) Styrene	11.96	104	212180	20.995	ug/l	100
71) Bromoform	12.13	173	46818	20.914	ug/l #	99
73) Isopropylbenzene	12.25	105	350696	20.373	ug/l	99
74) N-amyl acetate	12.07	43	109412	21.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93908	22.152	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	94354m	24.330	ug/l	
77) Bromobenzene	12.53	156	81486	20.248	ug/l	97
78) n-propylbenzene	12.59	91	377947	18.572	ug/l	100
79) 2-Chlorotoluene	12.67	91	240357	20.833	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	288512	18.576	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19627	18.774	ug/l	87
82) 4-Chlorotoluene	12.77	91	224241	18.951	ug/l	100
83) tert-Butylbenzene	12.99	119	250965	21.149	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	271696	19.559	ug/l	99
85) sec-Butylbenzene	13.17	105	314711	18.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	265359	19.125	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	129470	19.529	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122162	19.567	ug/l	100
89) n-Butylbenzene	13.61	91	185604	18.825	ug/l	98
90) Hexachloroethane	13.87	117	44388	19.235	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	131089	19.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12073	23.163	ug/l	94

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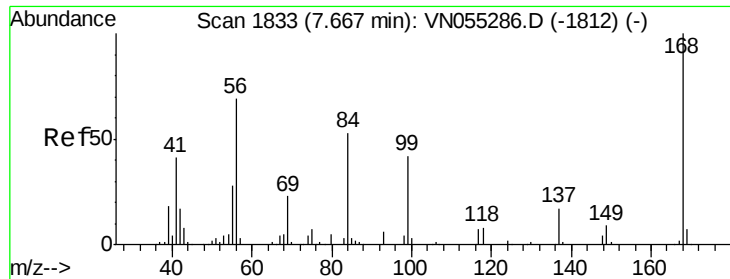
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39248	17.459	ug/l	96
94) Hexachlorobutadiene	15.01	225	46134	21.752	ug/l	99
95) Naphthalene	15.13	128	86020	17.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41176	17.910	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

Tot Ion:168 Resp: 367352

Ion Ratio Lower Upper

168 100

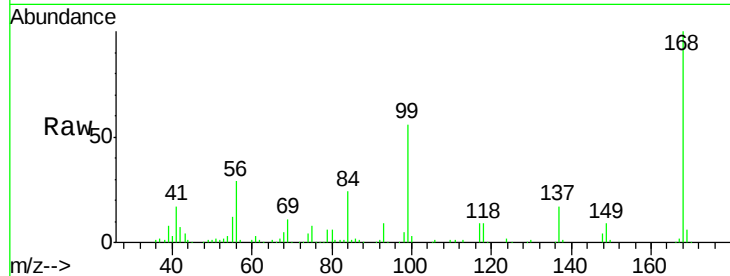
99 55.0 43.6 65.4

Manual Integrations

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5/1/2019 3:01:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

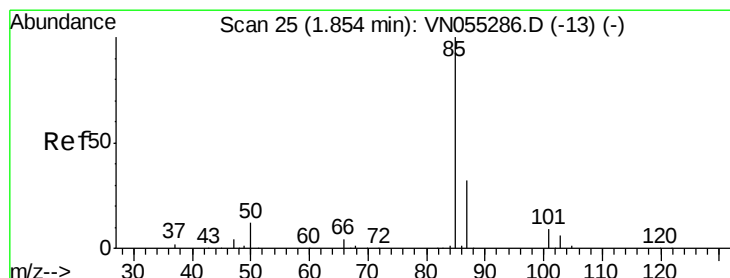
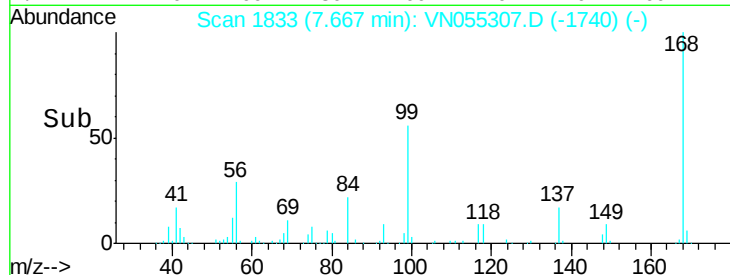
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.811 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055307.D

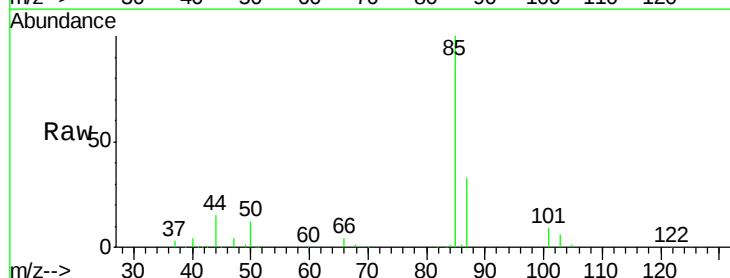
Acq: 30 Apr 2019 14:45

Tgt Ion: 85 Resp: 93668

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

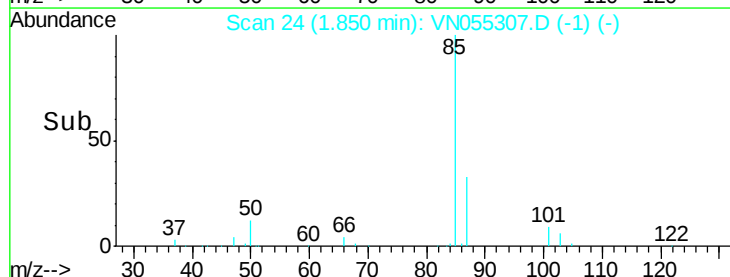
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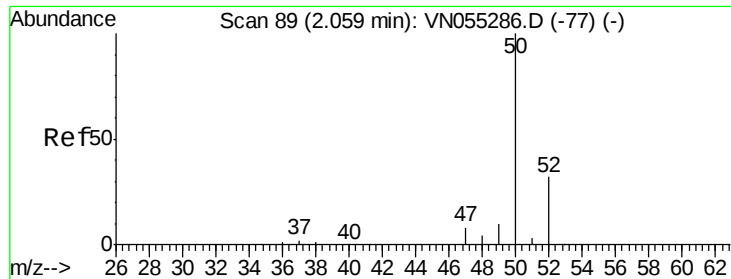
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20000

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Time-->





#3

Chloromethane

Concen: 19.956 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

Tot Ion: 50 Resp: 111219

Ion Ratio Lower Upper

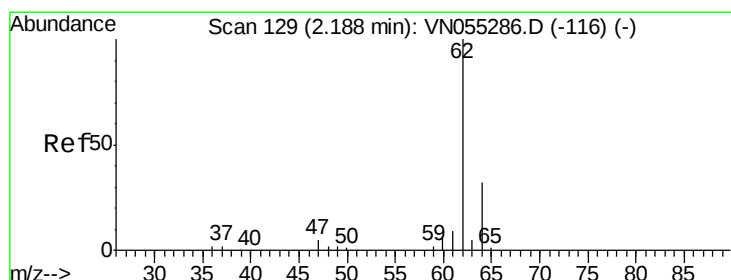
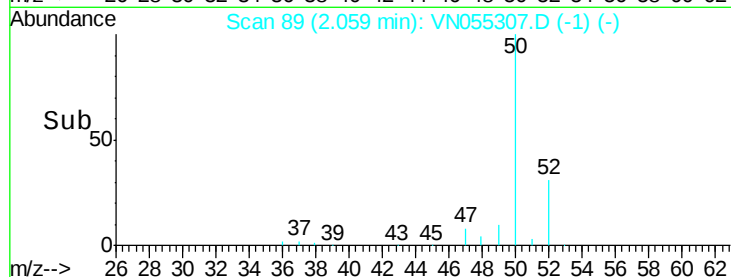
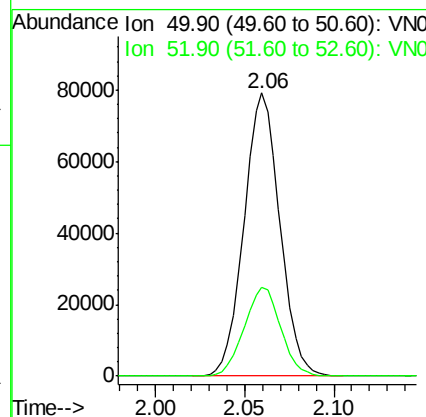
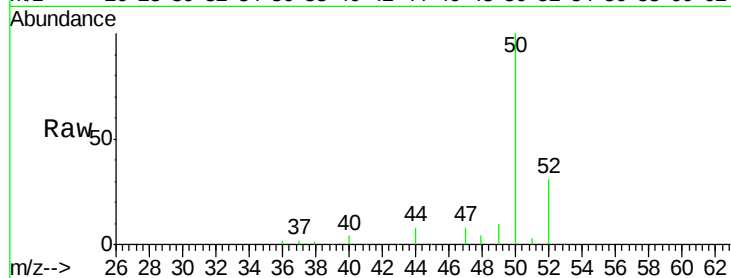
50 100

52 31.5 25.7 38.5

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 20.068 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055307.D

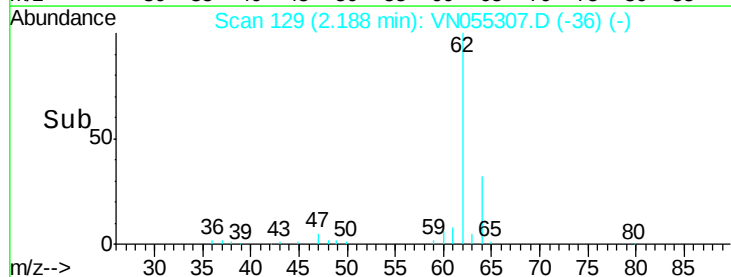
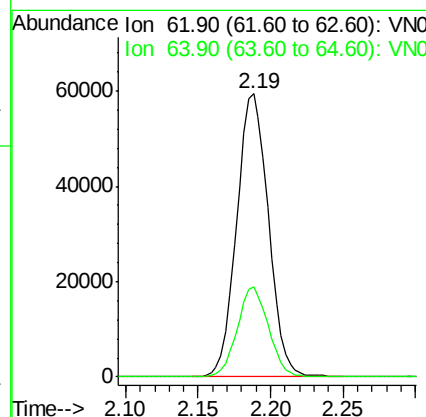
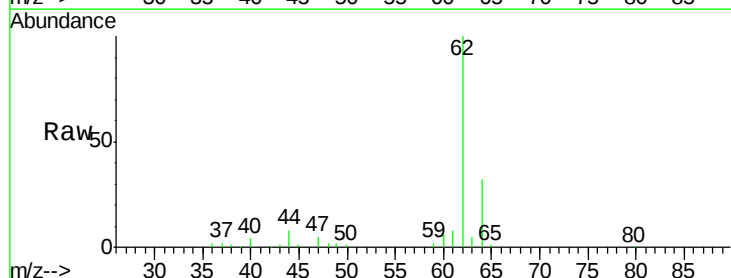
Acq: 30 Apr 2019 14:45

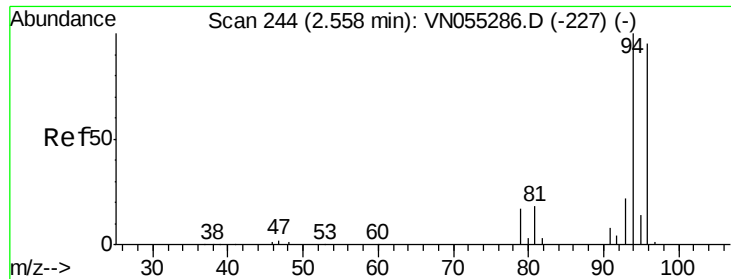
Tgt Ion: 62 Resp: 90157

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 20.293 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

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ClientSampleId :

VN0430WBSD01

Tot Ion: 94 Resp: 48289

Ion Ratio Lower Upper

94 100

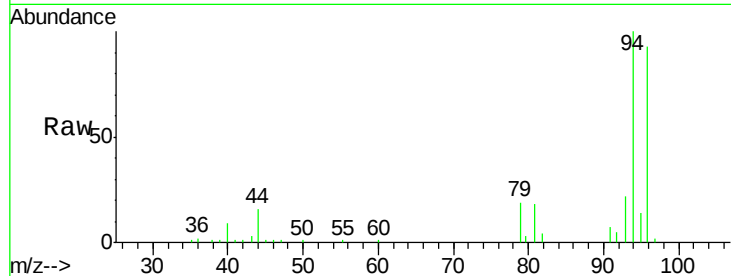
96 93.0 76.0 114.0

Manual Integrations

APPROVED

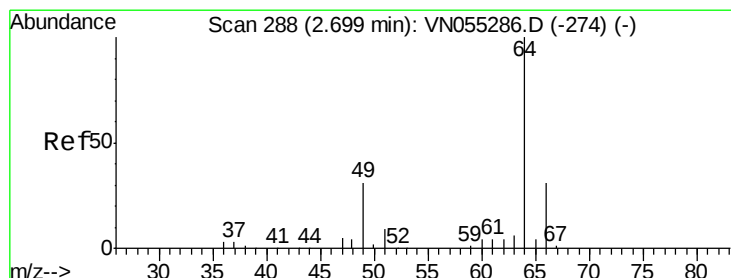
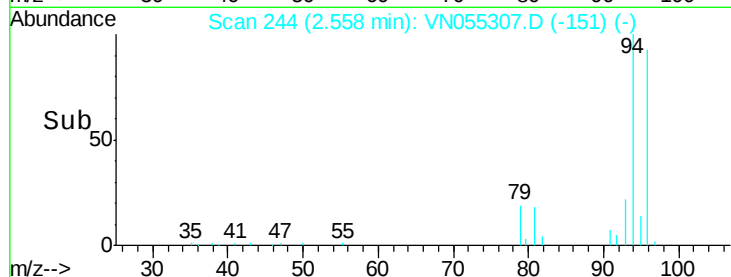
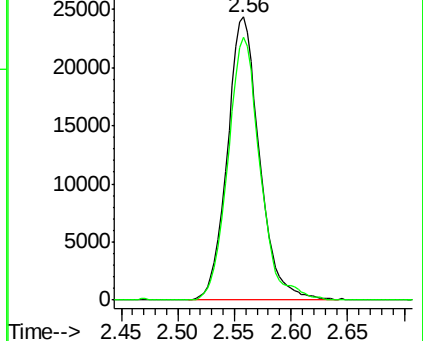
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.605 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055307.D

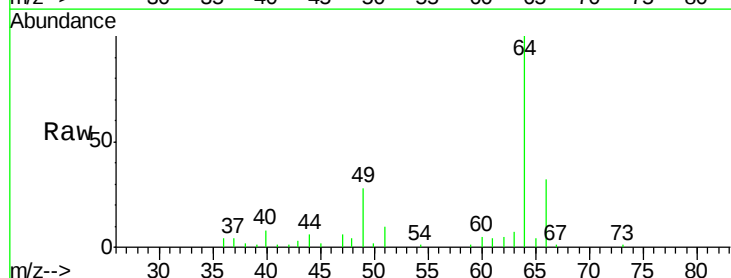
Acq: 30 Apr 2019 14:45

Tgt Ion: 64 Resp: 47712

Ion Ratio Lower Upper

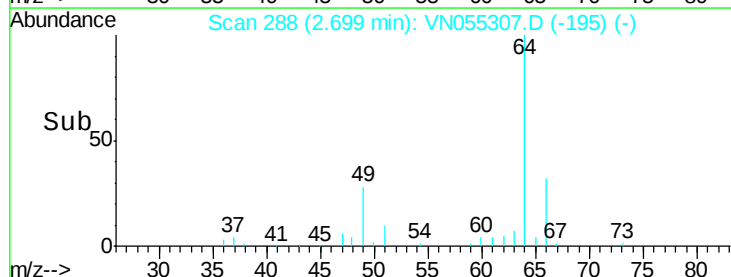
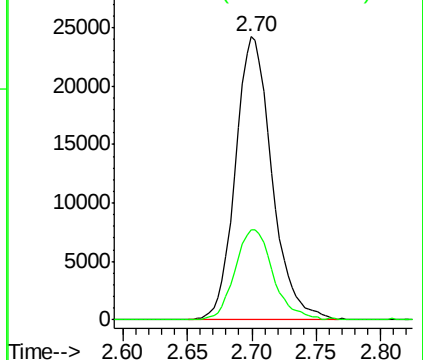
64 100

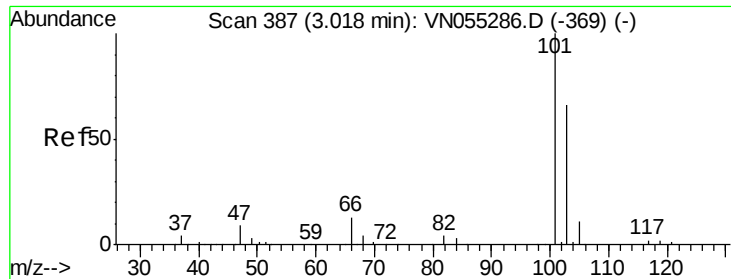
66 31.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

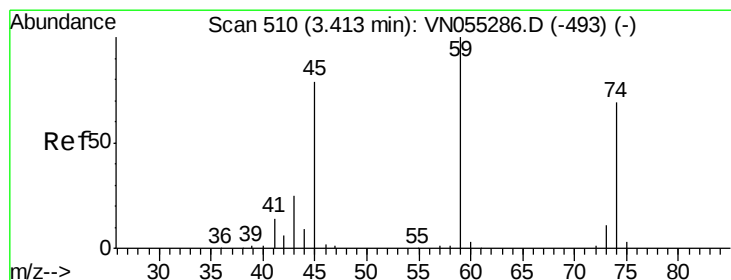
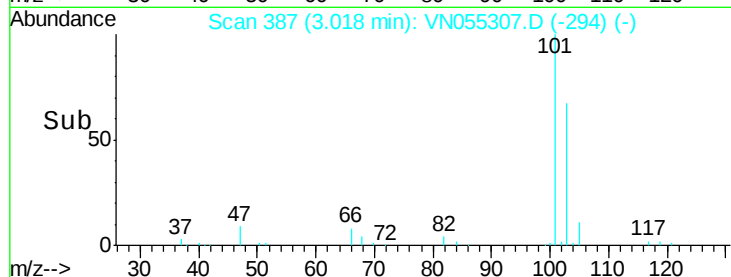
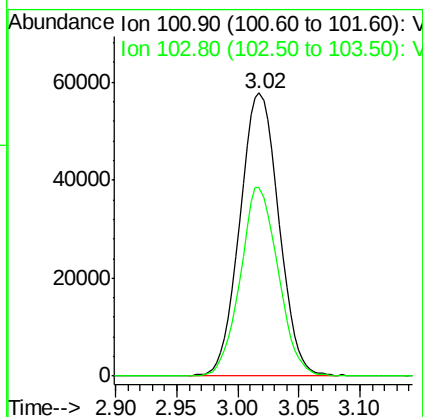
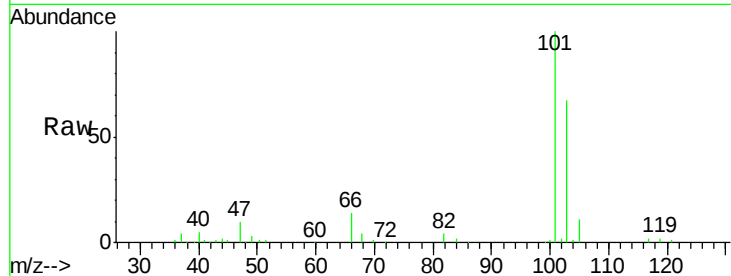
Trichlorofluoromethane
Concen: 19.986 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

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Tot Ion:101 Resp: 127673
Ion Ratio Lower Upper
101 100
103 66.5 52.6 79.0

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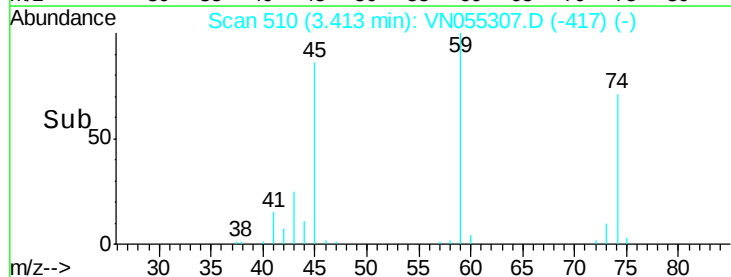
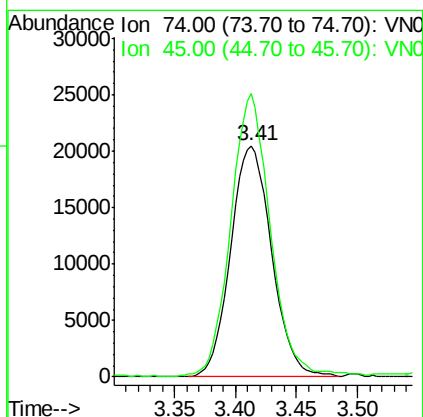
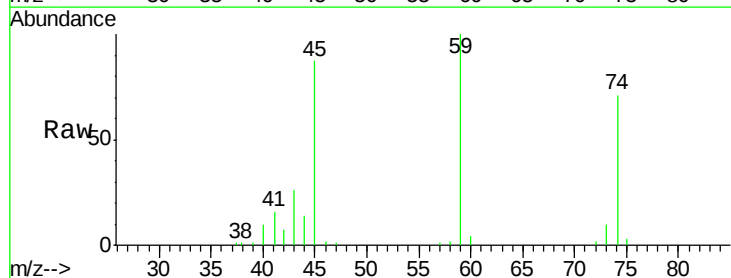
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5/1/2019 3:01:21 PM

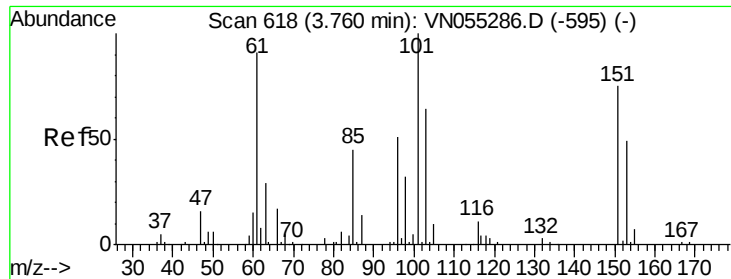


#8

Diethyl Ether
Concen: 21.332 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion: 74 Resp: 47677
Ion Ratio Lower Upper
74 100
45 117.9 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.577 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

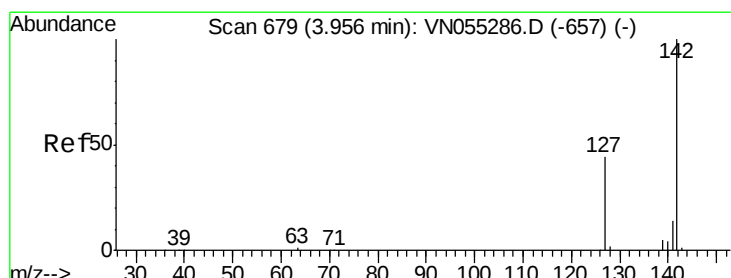
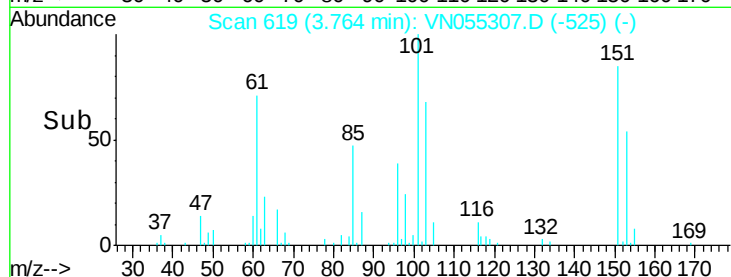
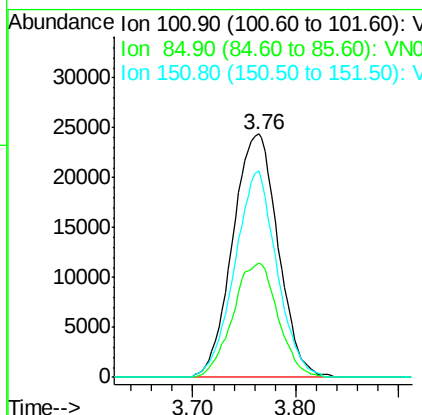
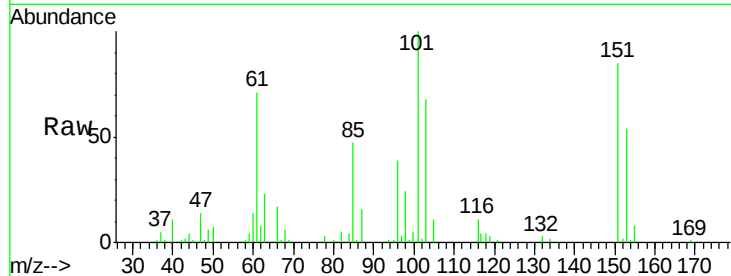
ClientSampleId :

VN0430WBSD01

Tot Ion:	101	Resp:	74471
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.7	53.5
151	78.8	63.3	94.9

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#10

Methyl Iodide

Concen: 19.668 ug/l

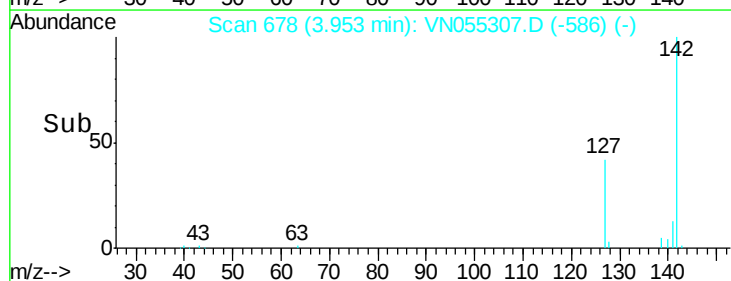
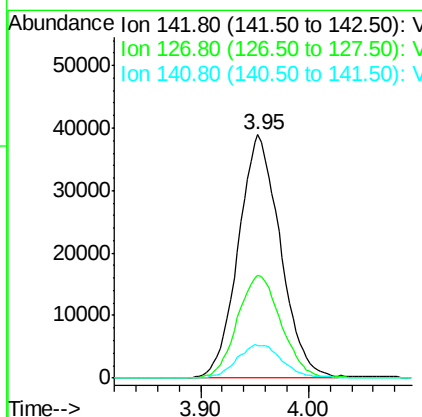
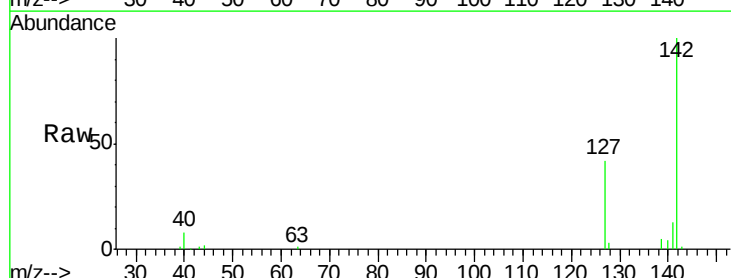
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	142	Resp:	105292
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.4	51.6
141	14.7	11.5	17.3





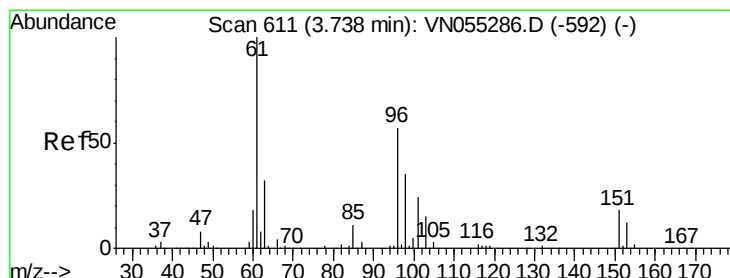
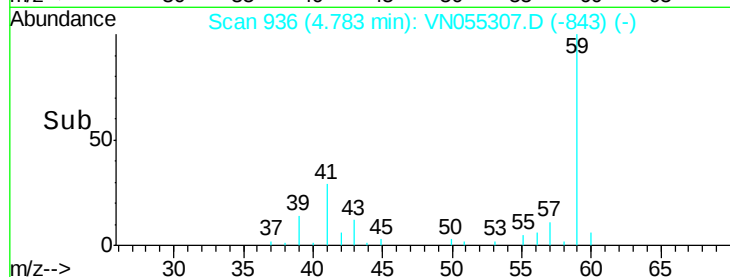
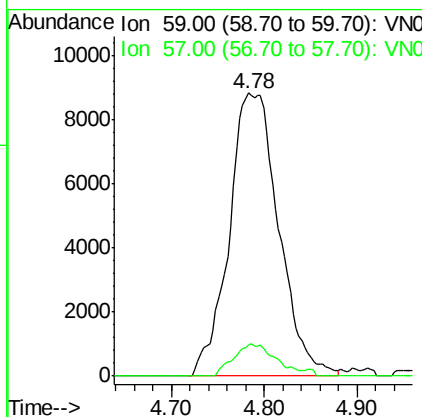
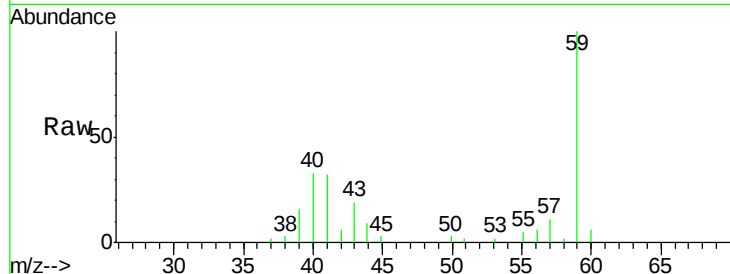
#11
Tert butyl alcohol
Concen: 118.901 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	32715		
57	9.7		8.2	12.2

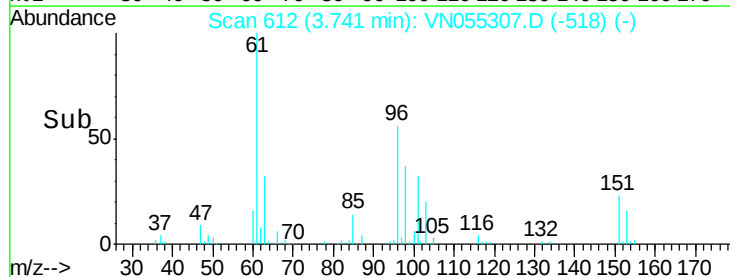
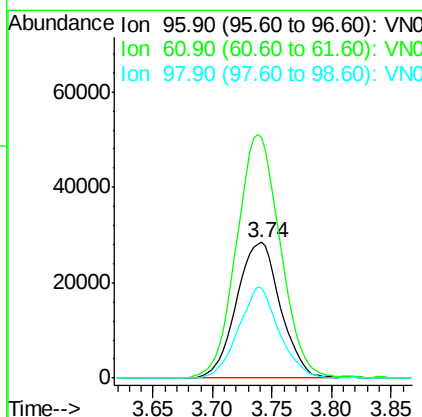
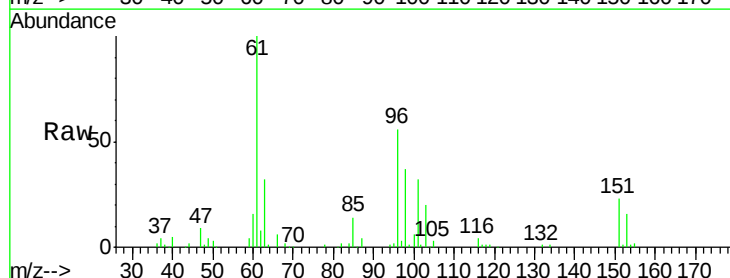
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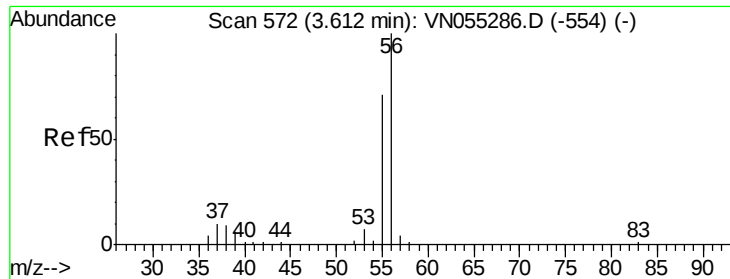
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.070 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72830		
61	177.4		140.9	211.3
98	66.0		50.0	75.0





#13

Acrolein

Concen: 97.288 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampled :

VN0430WBSD01

Tot Ion: 56 Resp: 20905

Ion Ratio Lower Upper

56 100

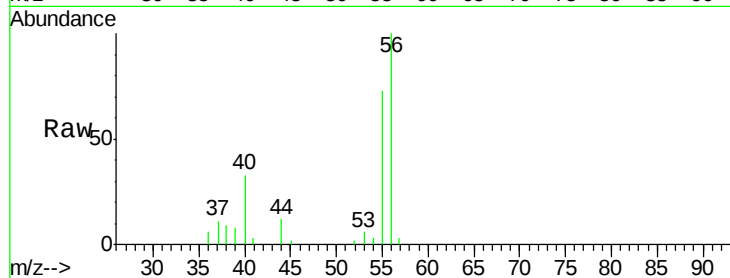
55 75.4 57.4 86.2

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

8000

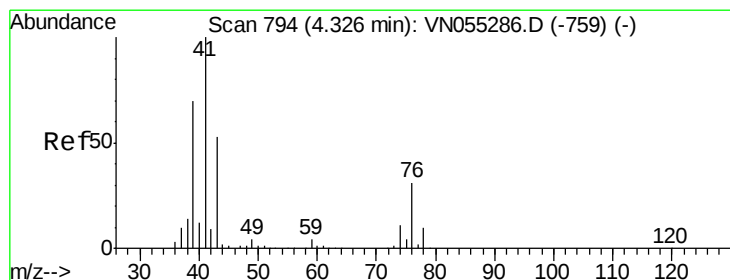
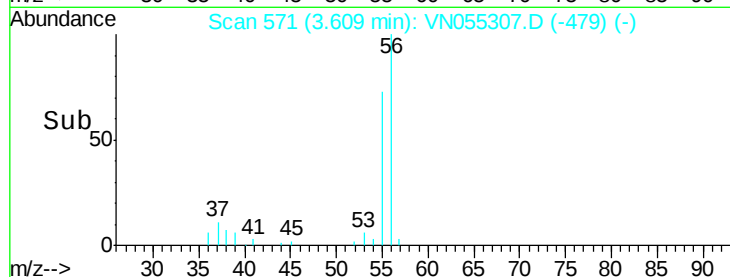
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.978 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

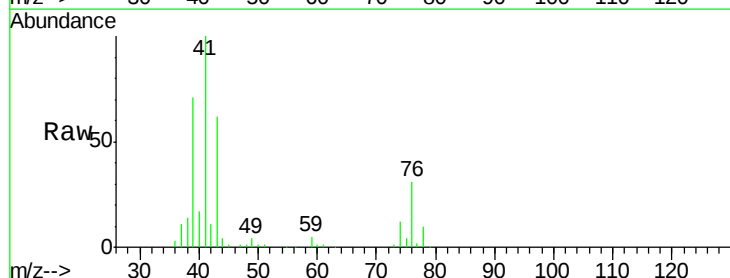
Tgt Ion: 41 Resp: 150151

Ion Ratio Lower Upper

41 100

39 68.0 53.0 79.6

76 28.5 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

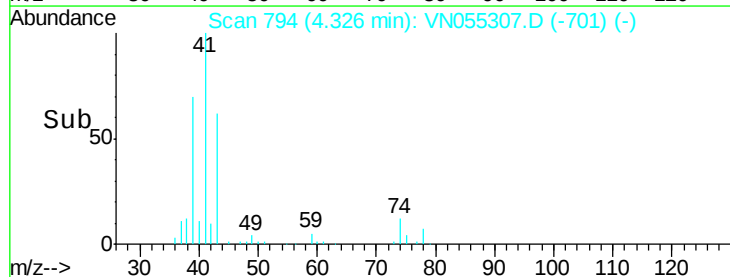
60000

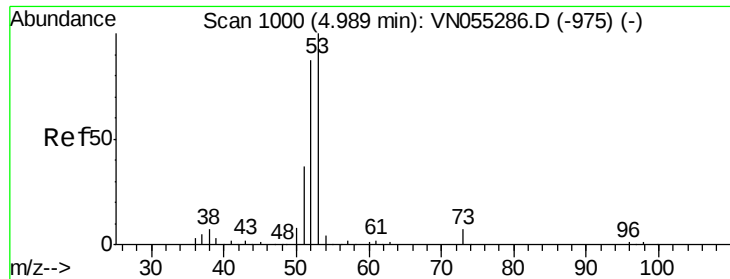
40000

20000

0

Time-->





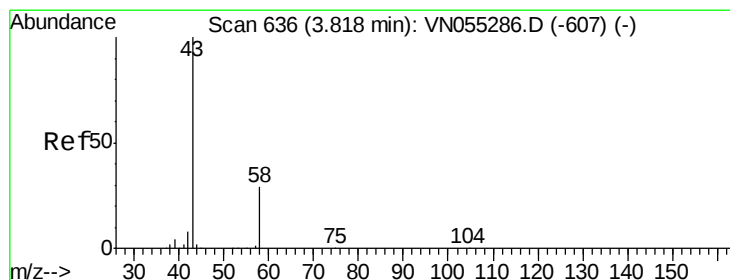
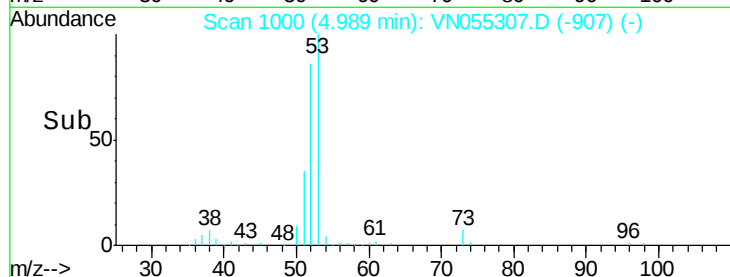
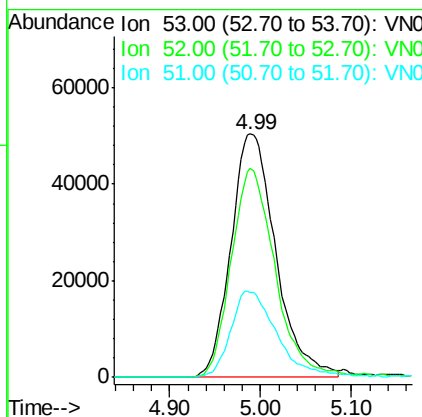
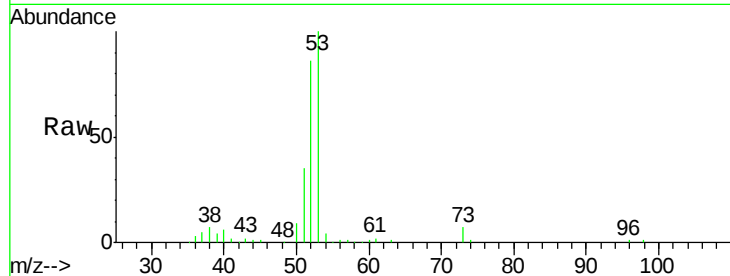
#15
 Acrylonitrile
 Concen: 111.671 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	36.7	29.6	44.4

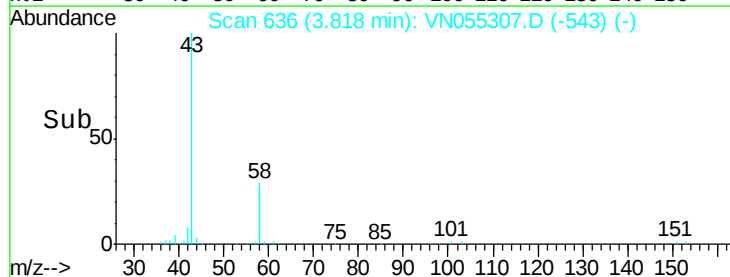
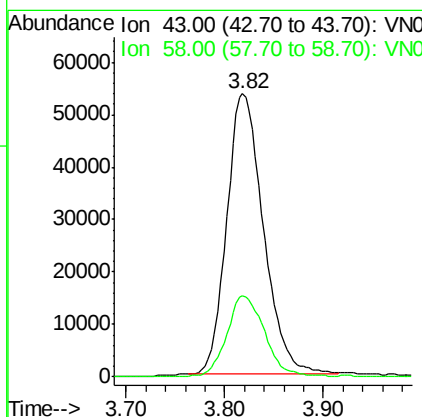
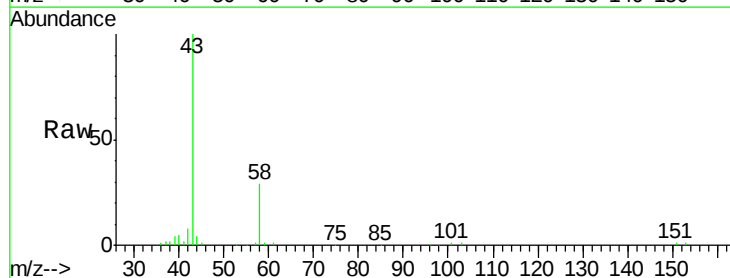
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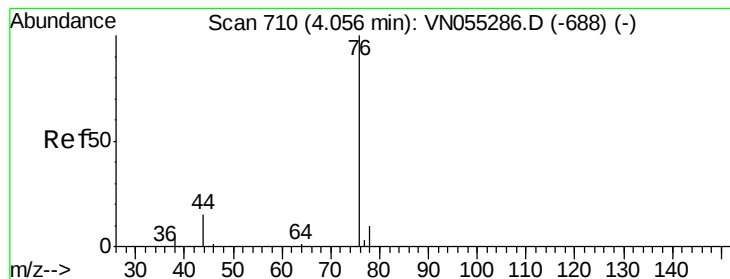
MMDadoda
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#16
 Acetone
 Concen: 92.607 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.6	35.4





#17

Carbon Disulfide

Concen: 19.286 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

Tot Ion: 76 Resp: 182644

Ion Ratio Lower Upper

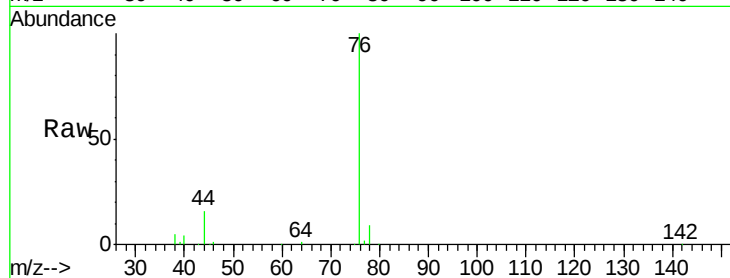
76 100

78 9.1 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

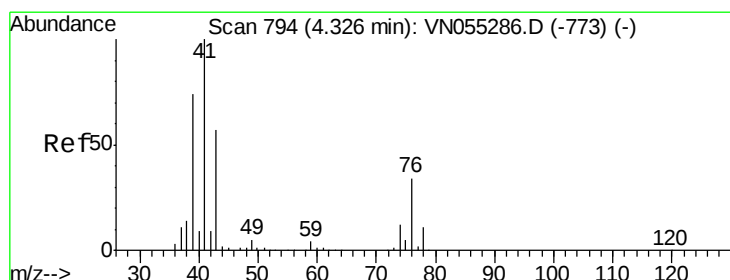
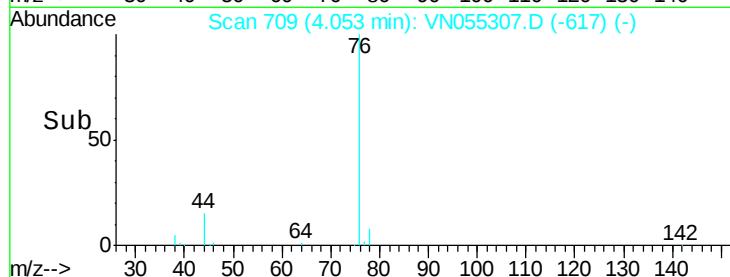
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 23.697 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055307.D

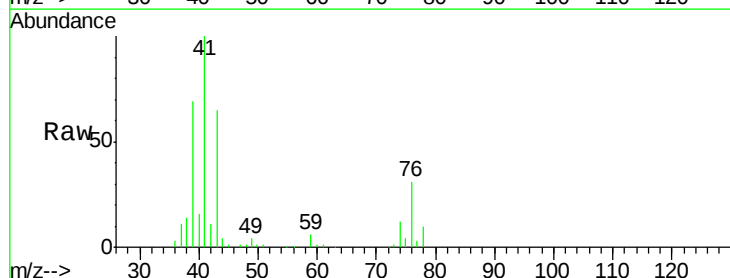
Acq: 30 Apr 2019 14:45

Tgt Ion: 43 Resp: 88428

Ion Ratio Lower Upper

43 100

74 20.1 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

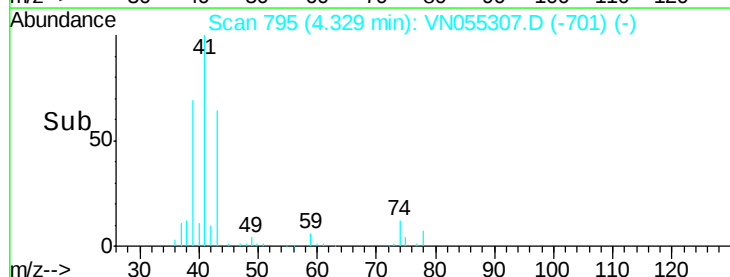
30000

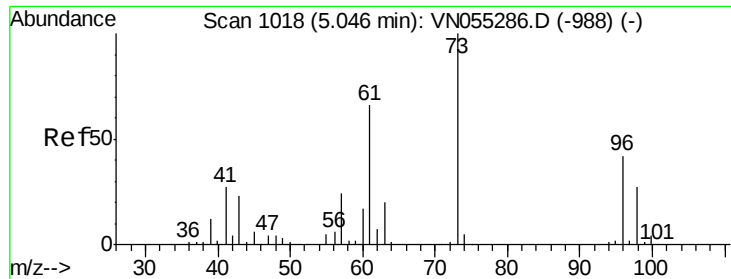
20000

10000

0

Time-->





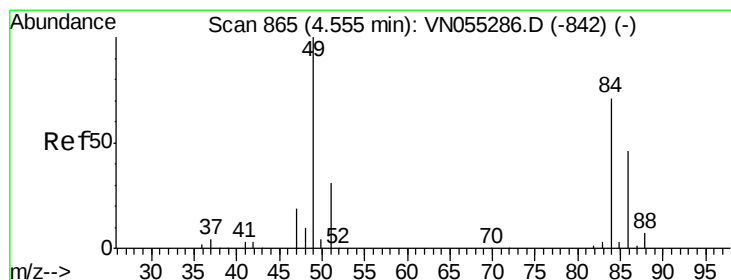
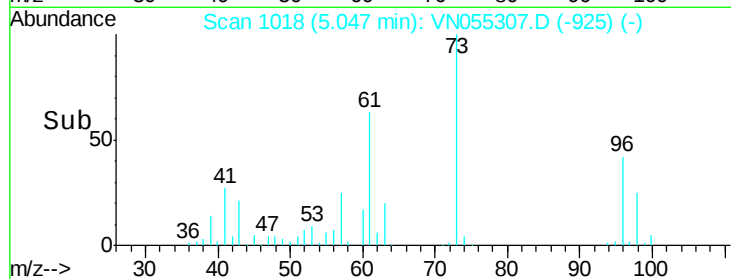
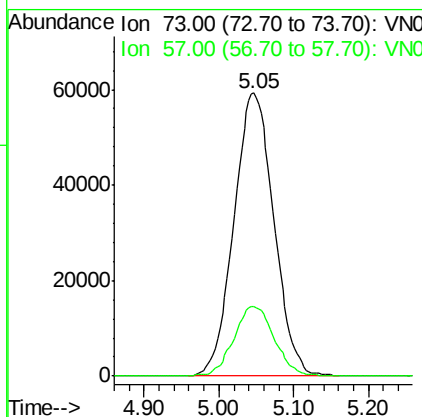
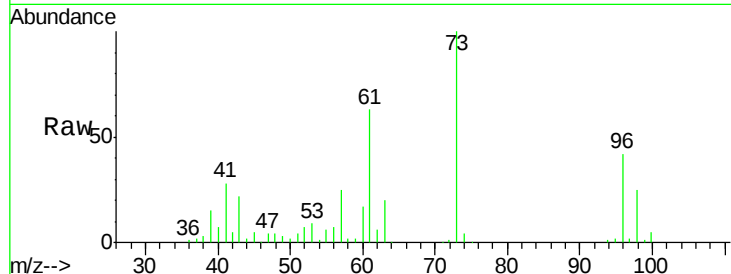
#19
Methvl tert-butvl Ether
Concen: 21.588 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion: 73 Resp: 220235
Ion Ratio Lower Upper
73 100
57 24.5 19.1 28.7

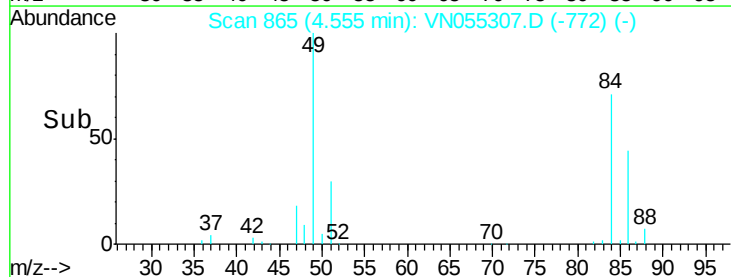
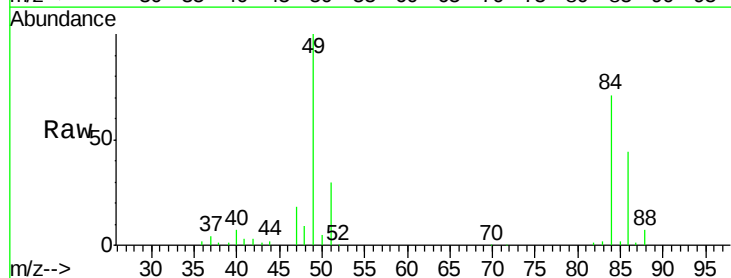
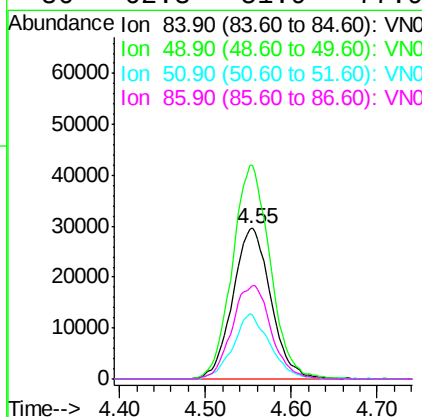
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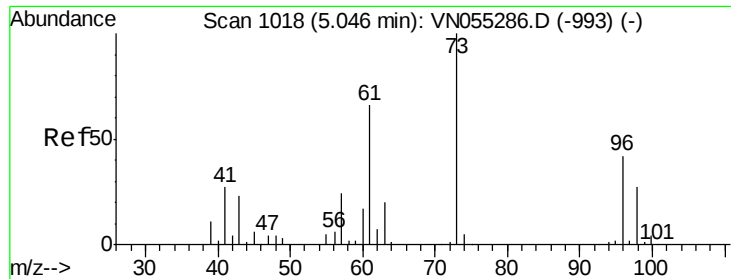
MMDadoda
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#20
Methylene Chloride
Concen: 19.893 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion: 84 Resp: 90924
Ion Ratio Lower Upper
84 100
49 141.6 112.4 168.6
51 42.0 34.6 51.8
86 62.3 51.9 77.9





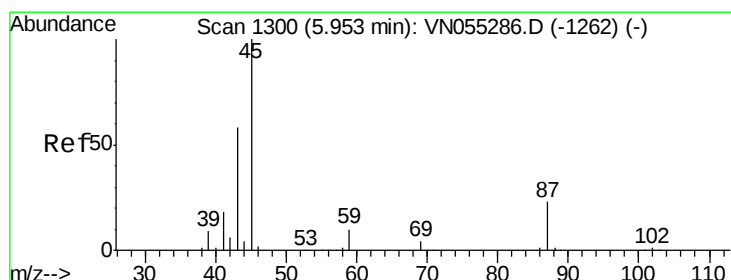
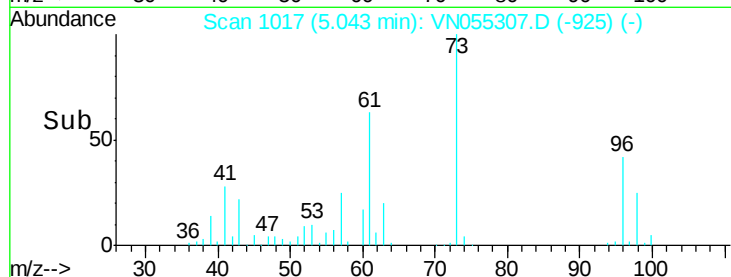
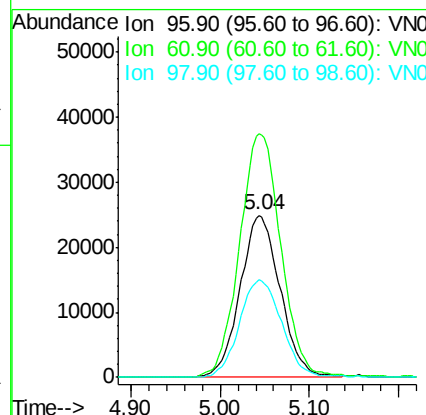
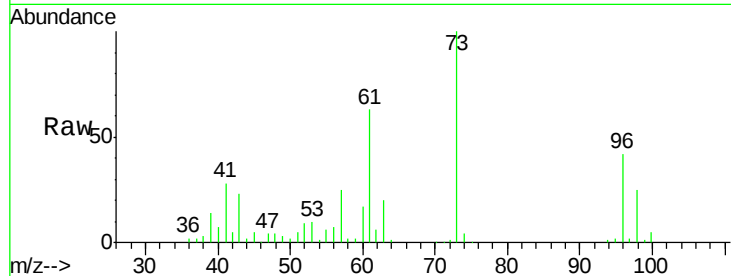
#21
trans-1,2-Dichloroethene
Concen: 20.280 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	126.2	189.4
98	60.1	52.2	78.2

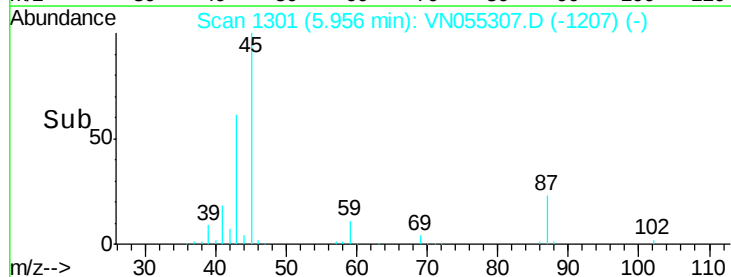
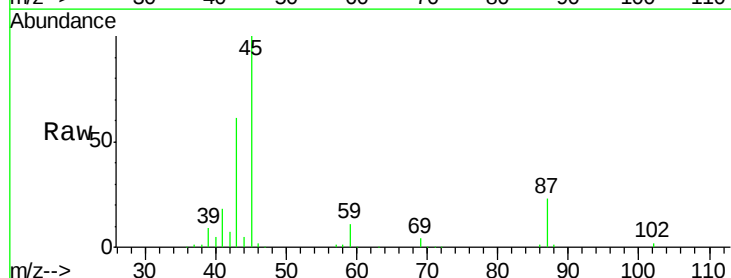
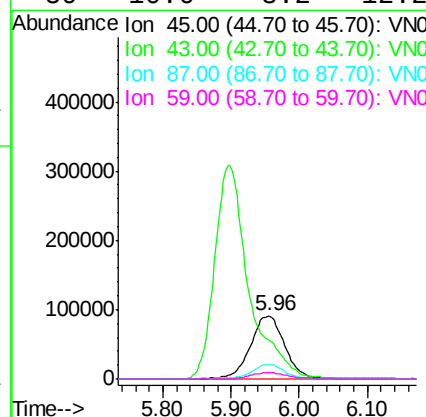
Manual Integrations
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#22
Diisopropyl ether
Concen: 21.247 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.6	70.0
87	22.7	18.1	27.1
59	10.6	8.2	12.2





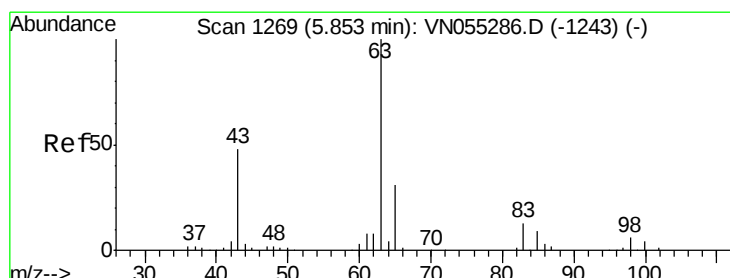
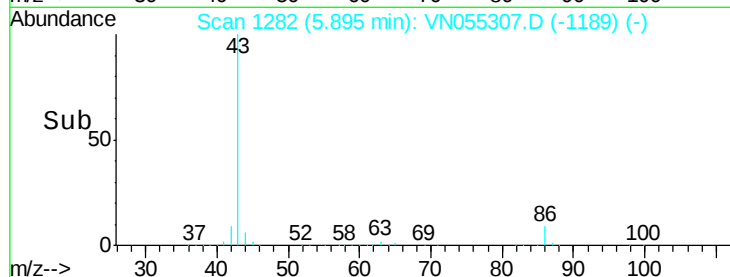
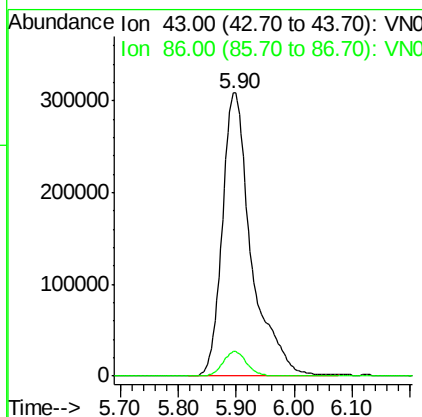
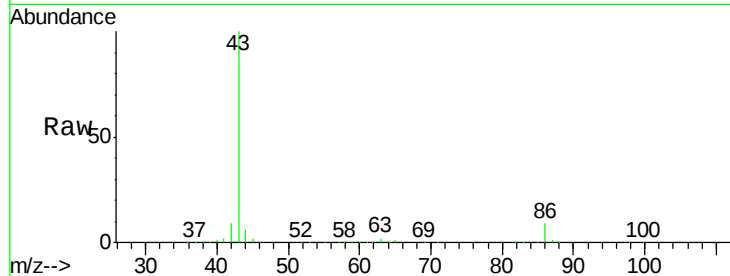
#23
 Vinyl Acetate
 Concen: 110.174 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0430WBSD01

Tot Ion: 43 Resp: 1078267
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.6 10.0

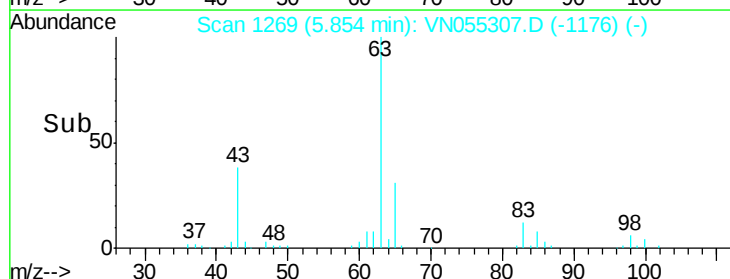
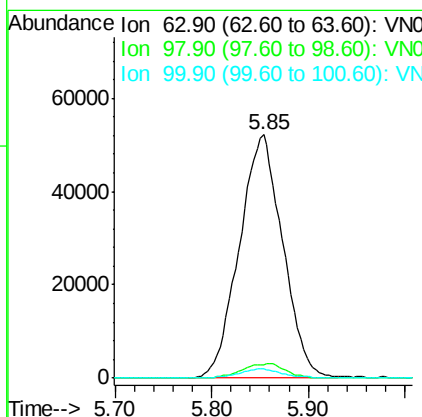
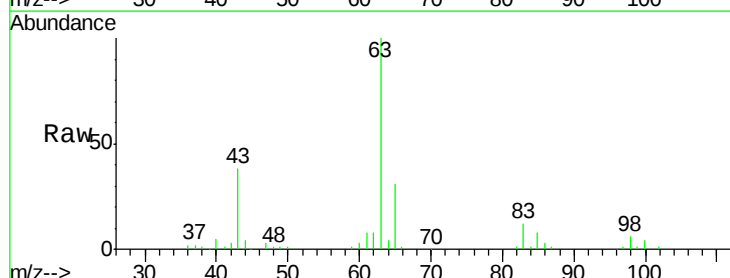
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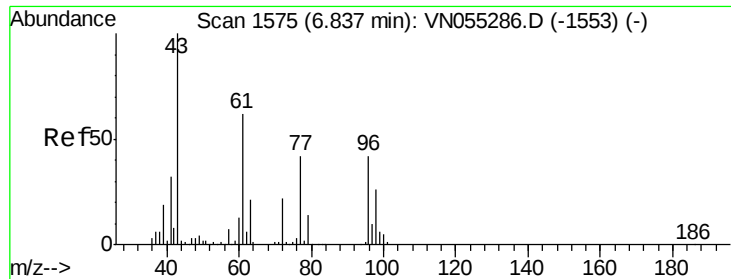
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.427 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion: 63 Resp: 162527
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.0
 100 3.7 1.8 5.4





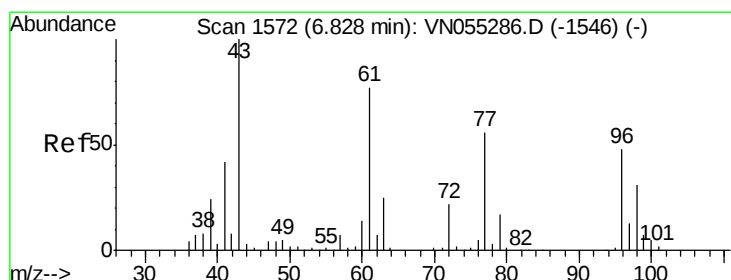
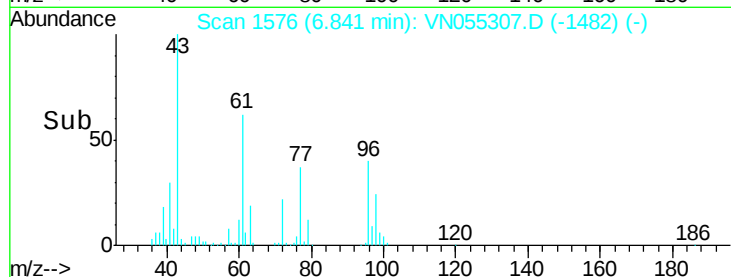
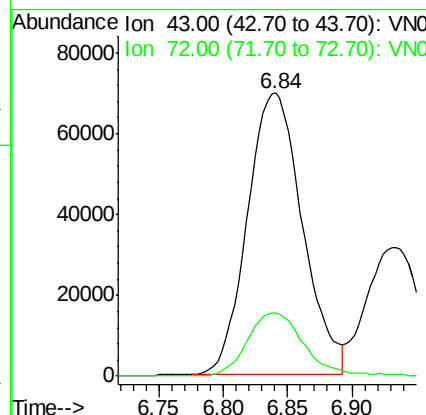
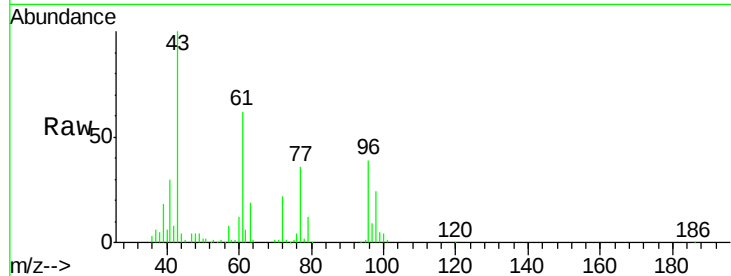
#25
2-Butanone
Concen: 108.389 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

Tot Ion: 43 Resp: 207566
Ion Ratio Lower Upper
43 100
72 22.3 18.0 27.0

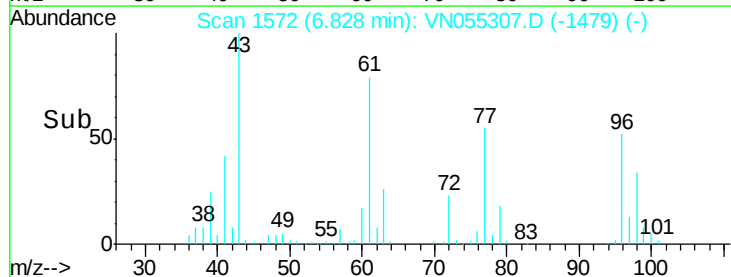
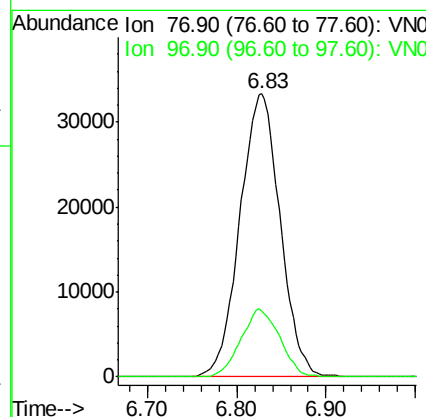
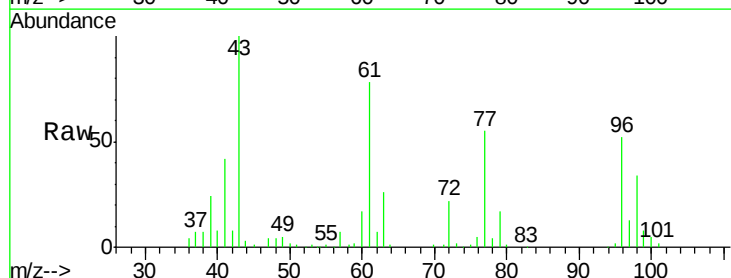
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 18.927 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion: 77 Resp: 103991
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.845 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

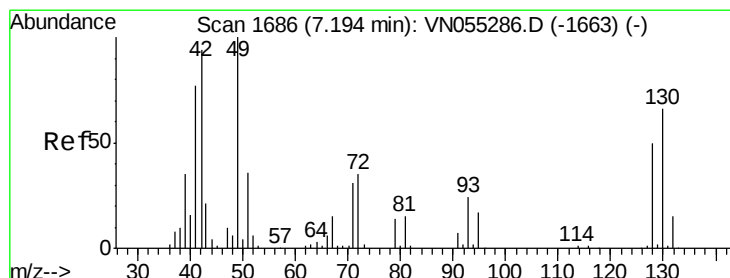
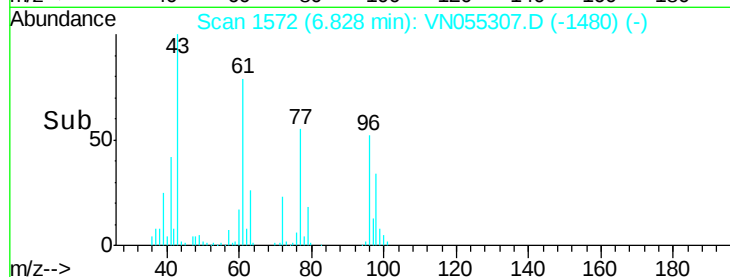
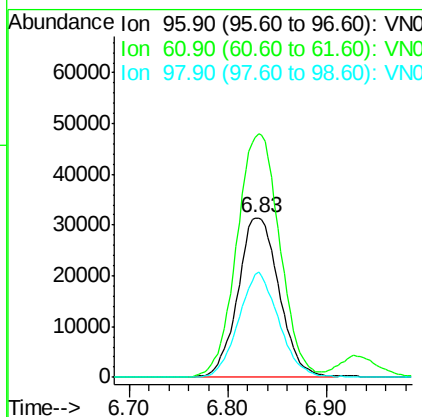
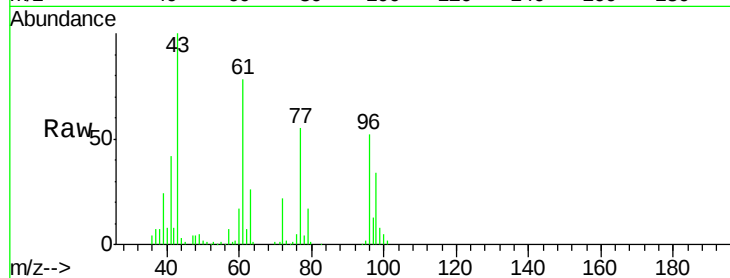
ClientSampled :

VN0430WBSD01

Tot Ion:	96	Resp:	91101
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	316.2
98	64.2	0.0	126.6

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#28

Bromochloromethane

Concen: 20.737 ug/l

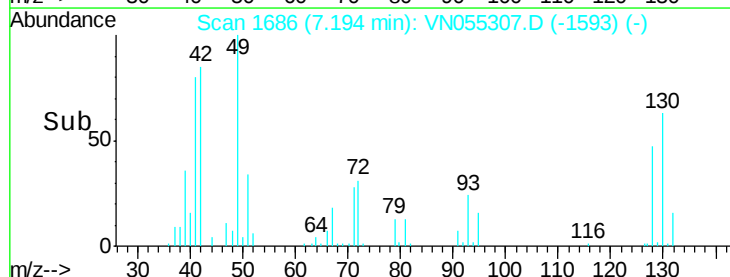
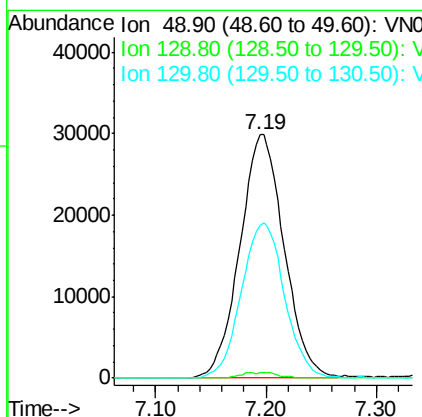
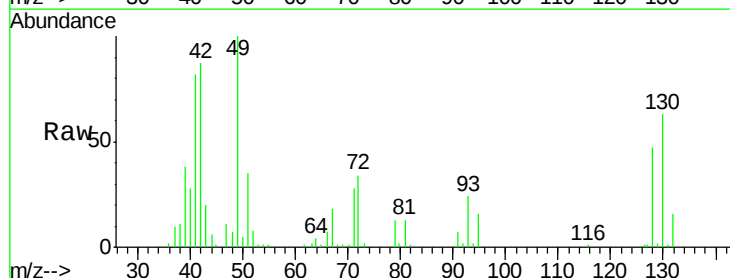
RT: 7.19 min Scan# 1686

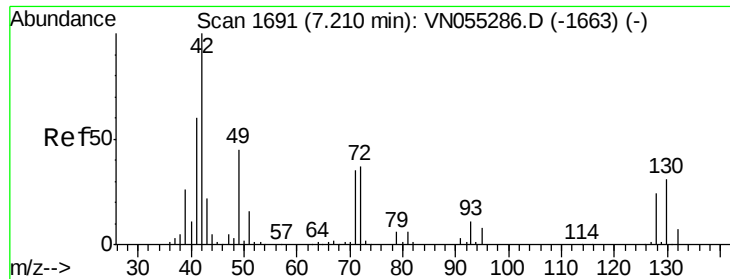
Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	49	Resp:	83167
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.4
130	62.1	52.0	78.0





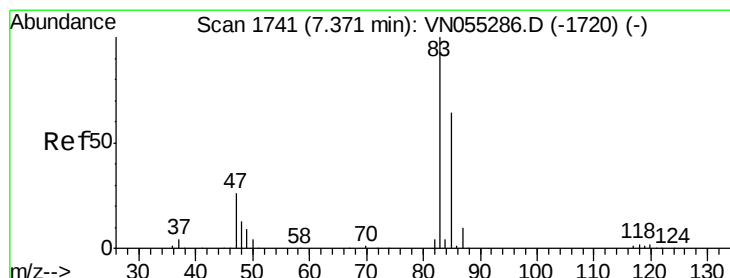
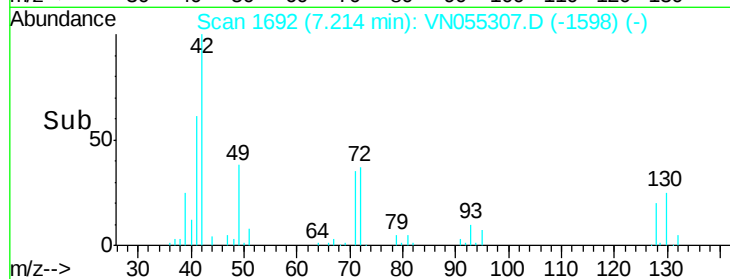
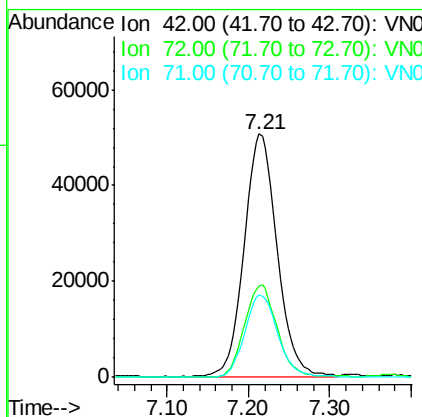
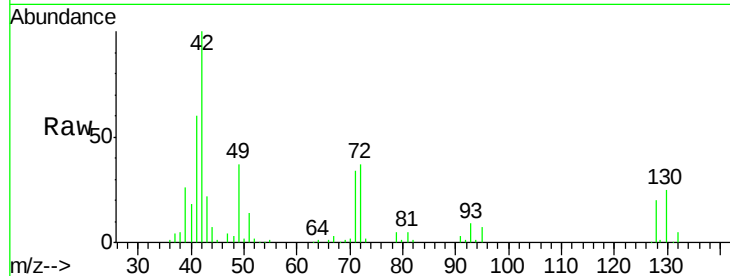
#29
Tetrahydrofuran
Concen: 116.068 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	29.0	43.6
71	33.5	27.1	40.7

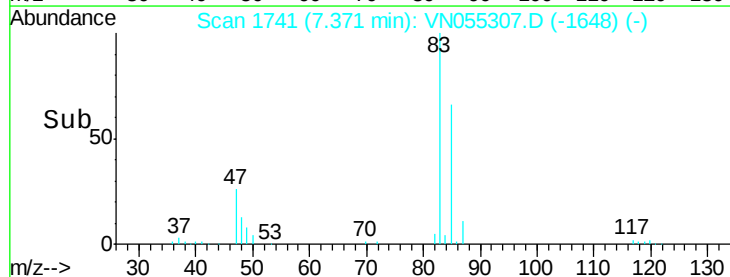
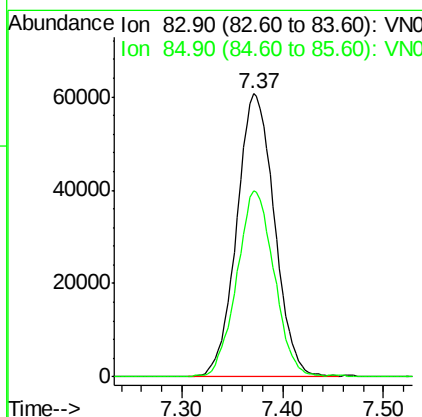
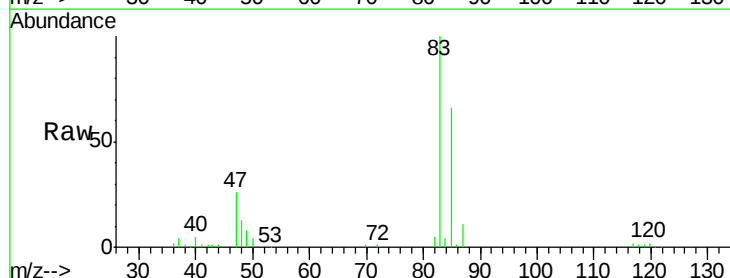
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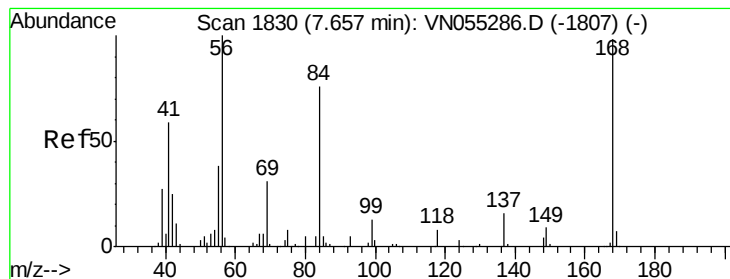
MMDadoda
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#30
Chloroform
Concen: 20.810 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2





#31

Cyclohexane

Concen: 19.813 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

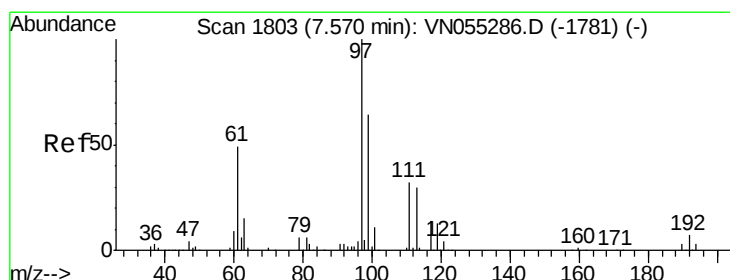
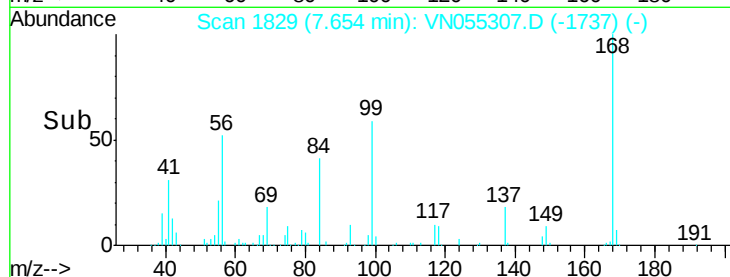
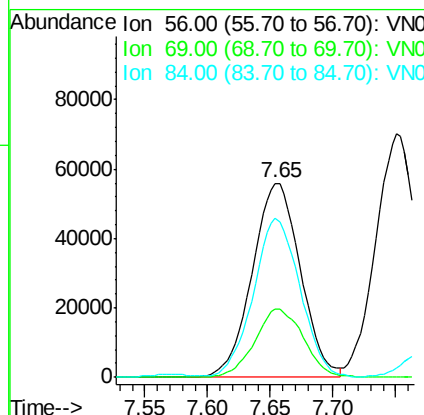
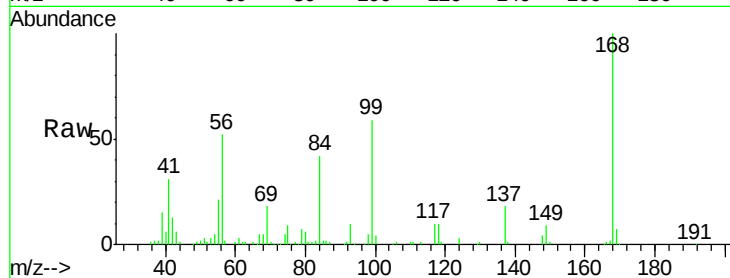
ClientSampleId :

VN0430WBSD01

Tot Ion:	56	Resp:	149774
Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.2	37.8
84	80.8	61.1	91.7

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#32

1,1,1-Trichloroethane

Concen: 20.482 ug/l

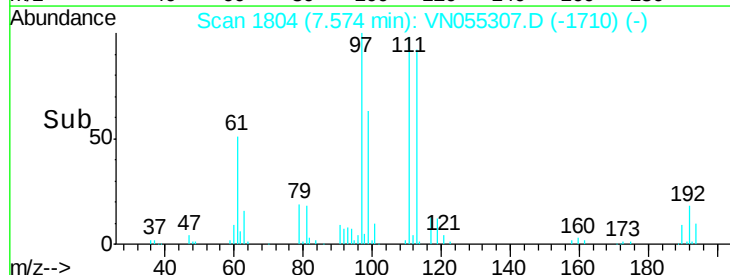
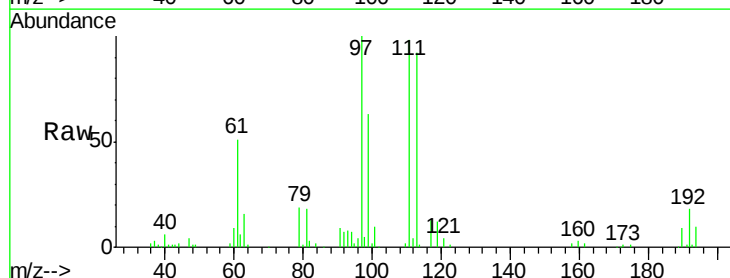
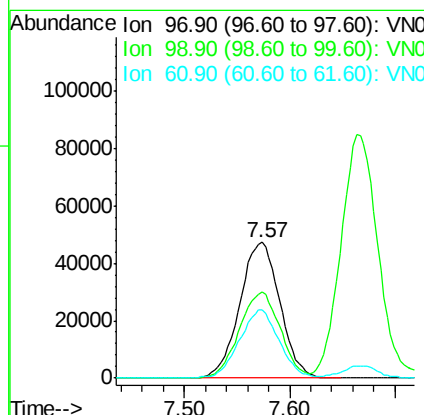
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	97	Resp:	125375
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	49.8	39.0	58.6





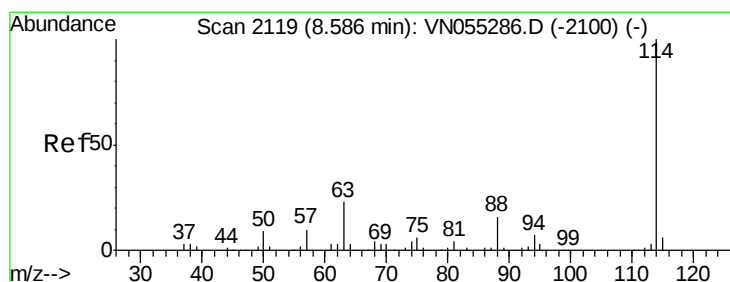
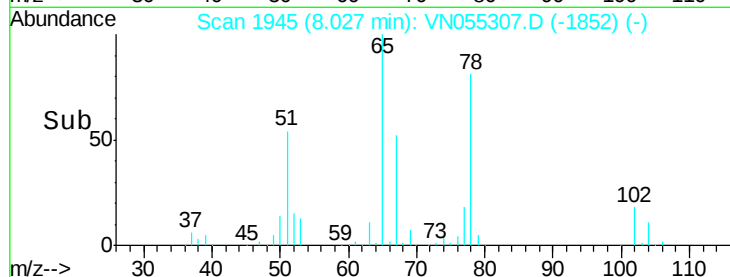
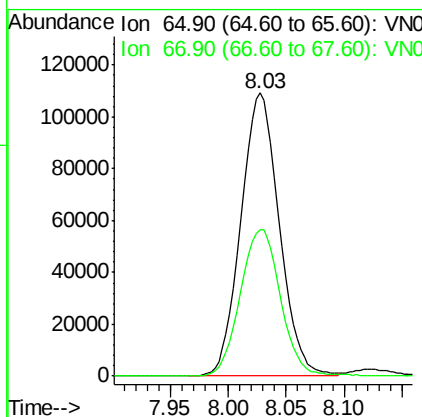
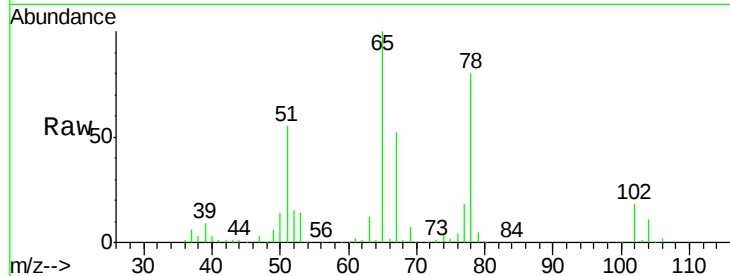
#33
 1,2-Dichloroethane-d4
 Concen: 52.398 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	251816		
67	54.2	0.0	106.8	

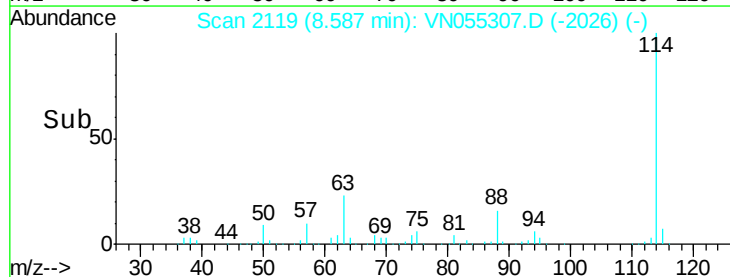
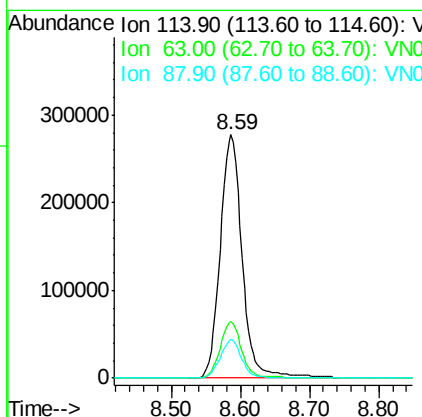
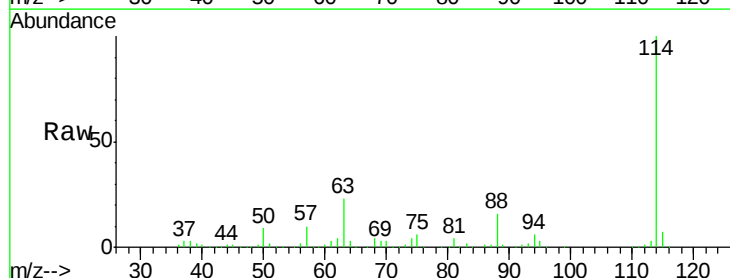
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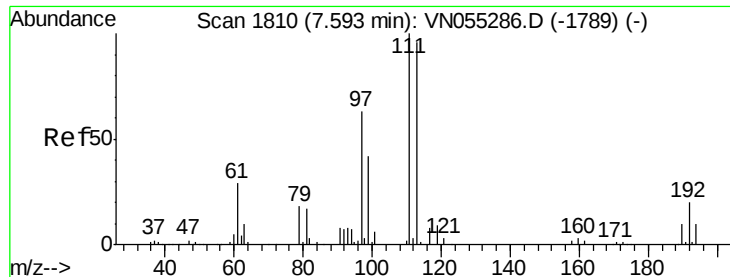
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	611086		
63	23.2	0.0	45.2	
88	15.9	0.0	31.6	





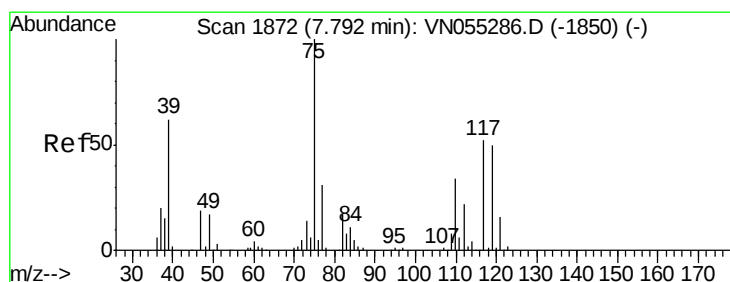
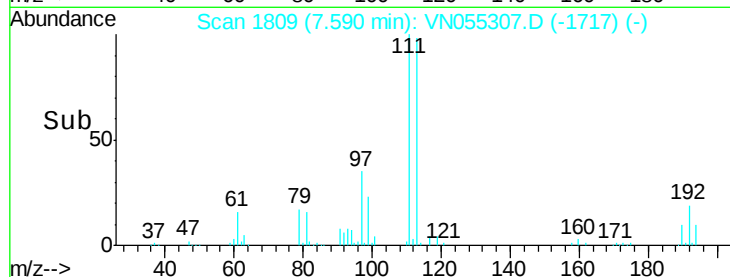
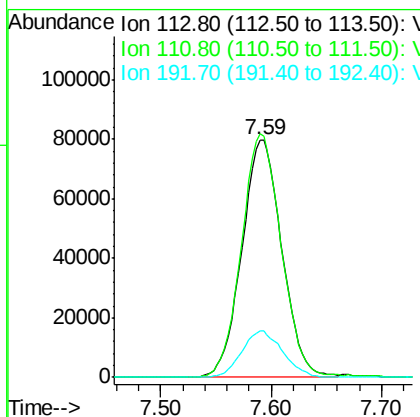
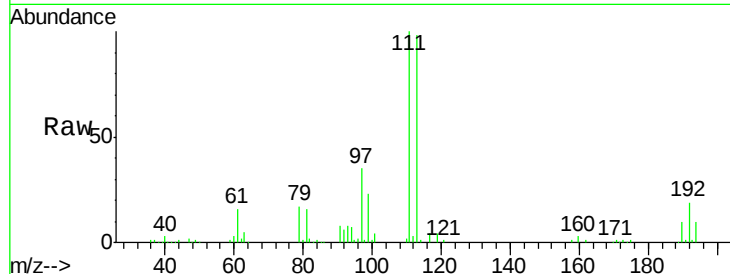
#35
 Dibromofluoromethane
 Concen: 49.853 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0430WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199957		
111	102.1	82.3	123.5	
192	20.1	17.0	25.6	

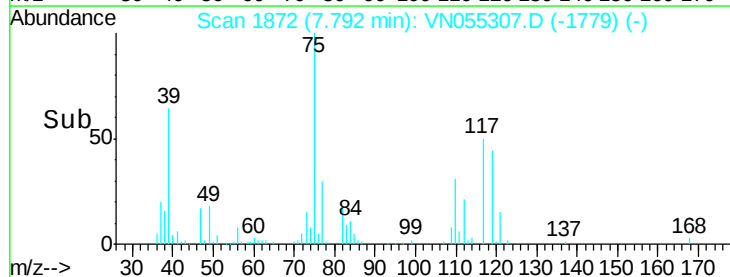
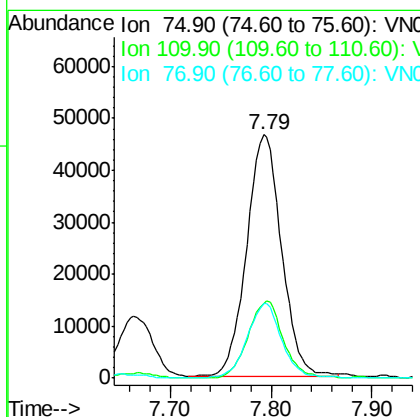
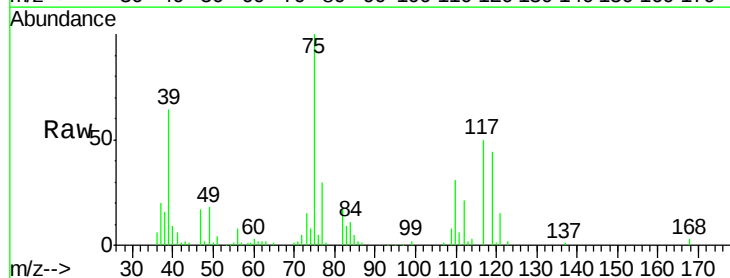
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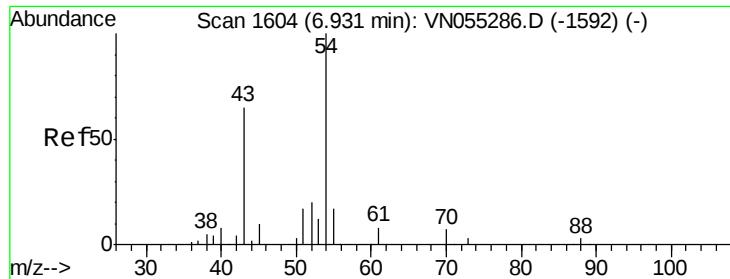
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#36
 1,1-Dichloropropene
 Concen: 19.141 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112035		
110	32.1	16.8	50.4	
77	30.6	25.0	37.6	





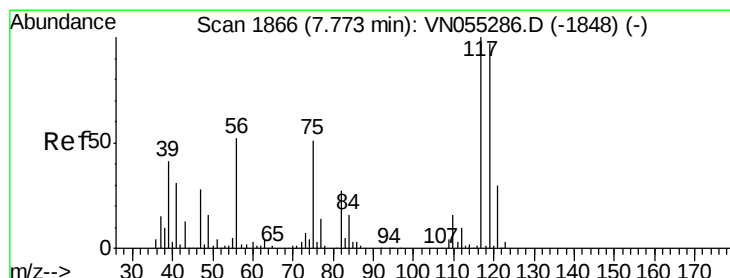
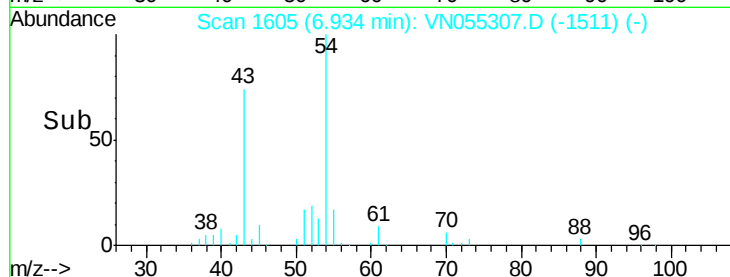
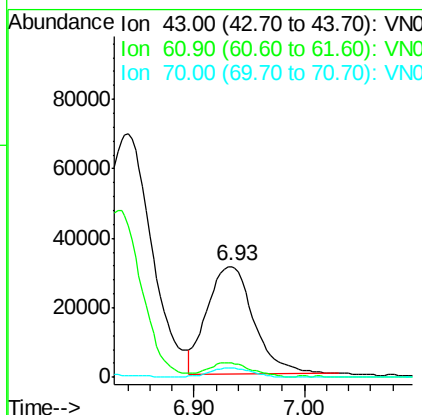
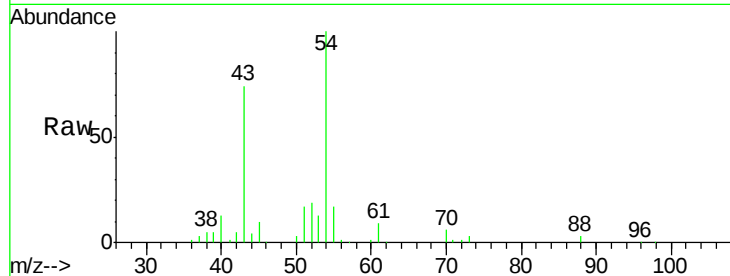
#37
Ethyl Acetate
Concen: 20.536 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	10.4	15.6
70	8.1	6.6	10.0

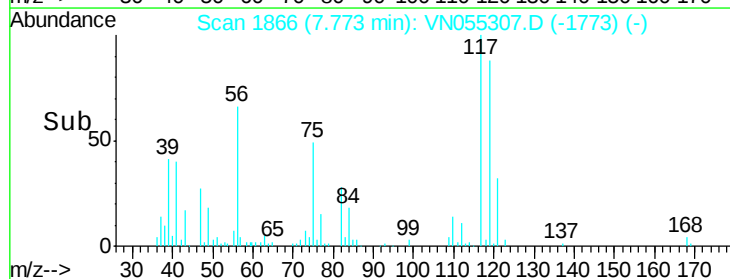
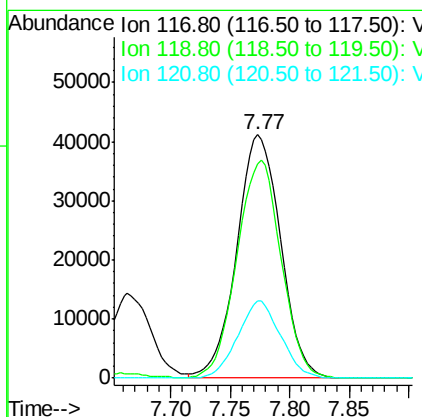
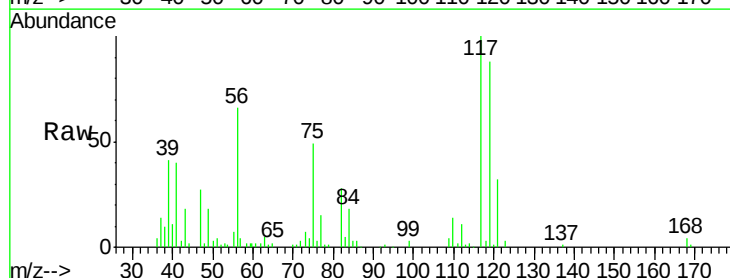
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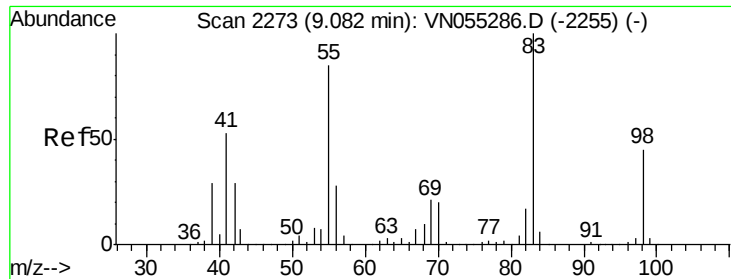
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#38
Carbon Tetrachloride
Concen: 18.619 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.0	77.0	115.6
121	31.8	23.8	35.8





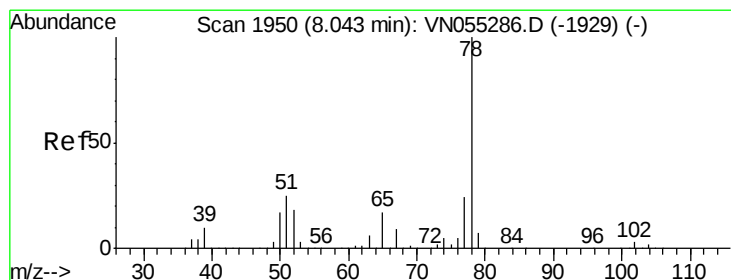
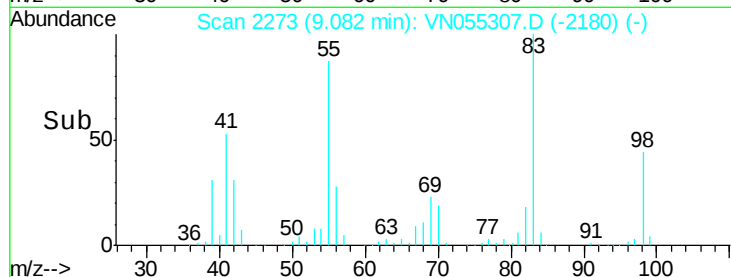
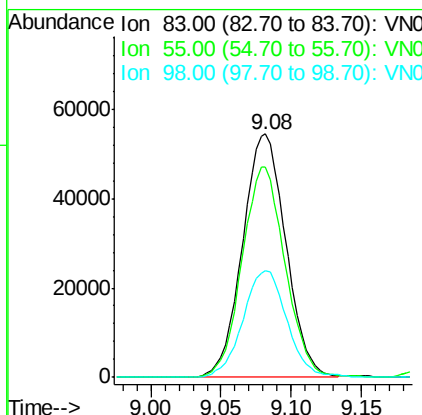
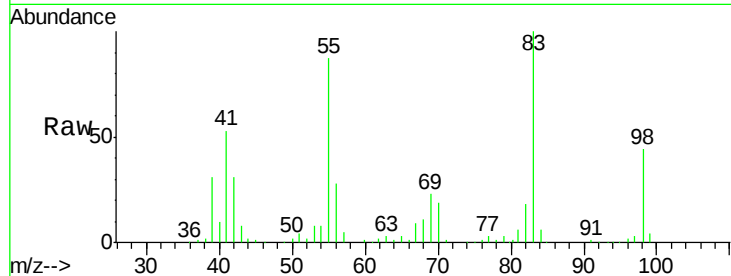
#39
Methvlcvclohexane
Concen: 18.778 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	67.8	101.6
98	43.8	36.2	54.4

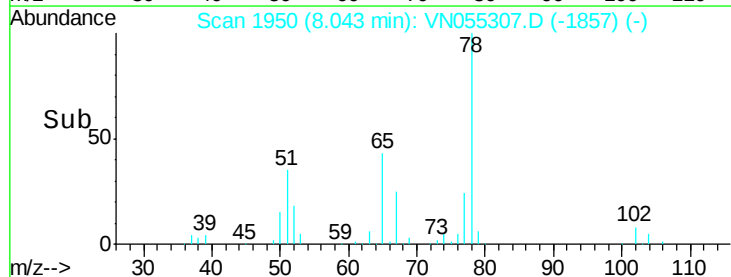
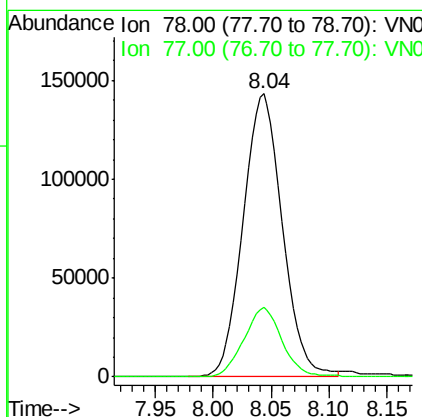
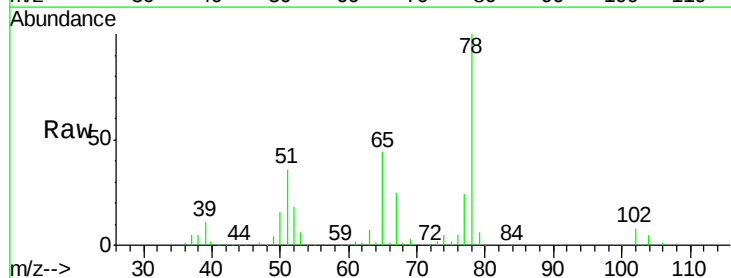
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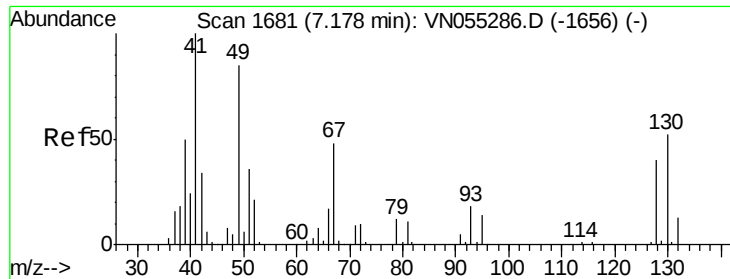
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#40
Benzene
Concen: 19.627 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





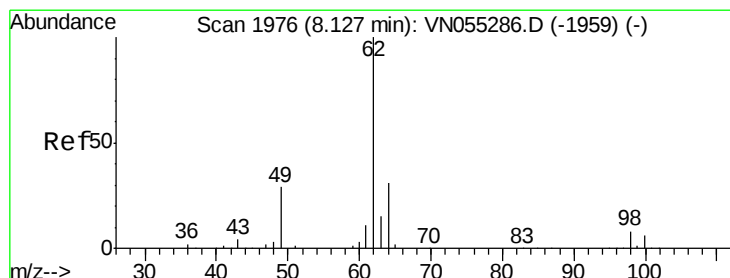
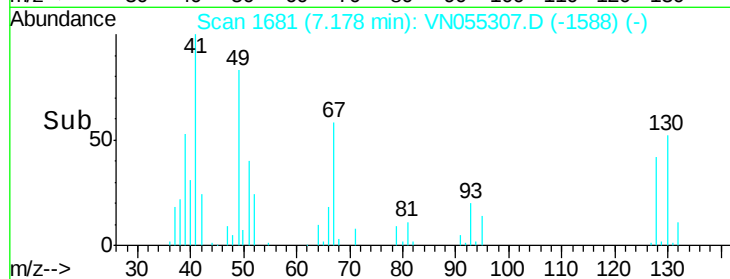
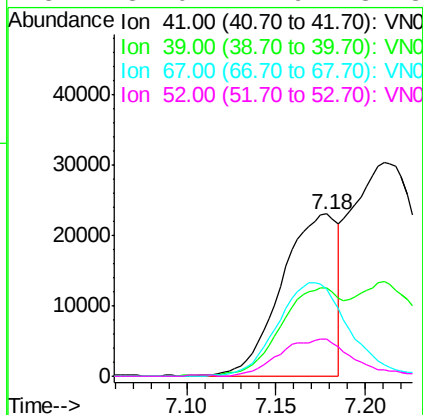
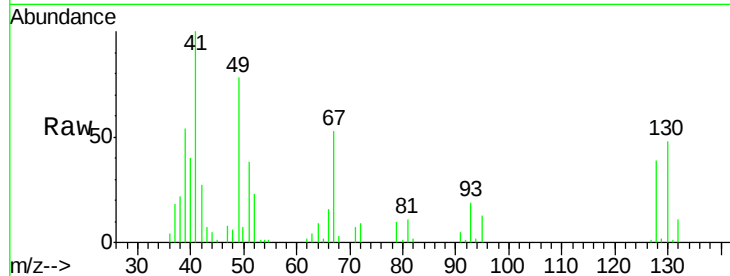
#41
Methacrylonitrile
Concen: 21.035 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion:	41	Resp:	50014
Ion	Ratio	Lower	Upper
41	100		
39	56.6	48.5	72.7
67	73.8	54.9	82.3
52	31.0	24.9	37.3

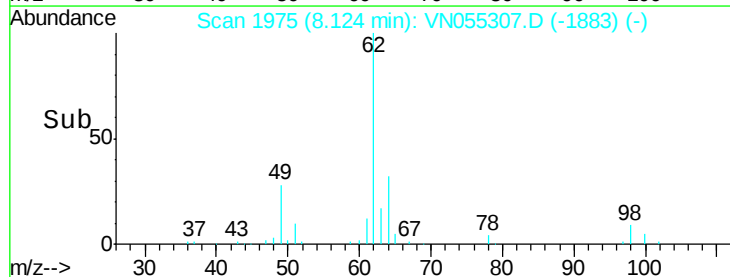
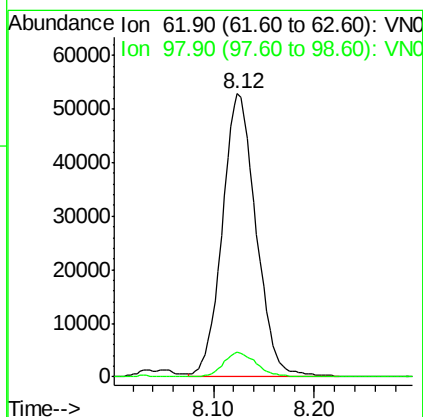
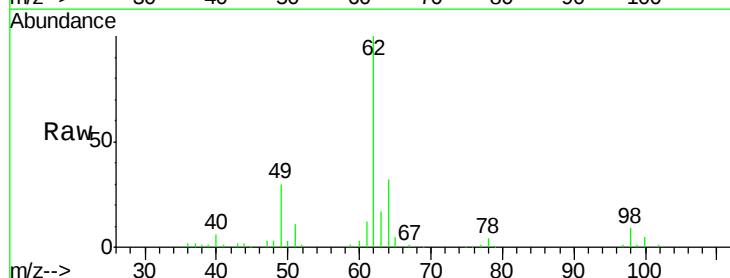
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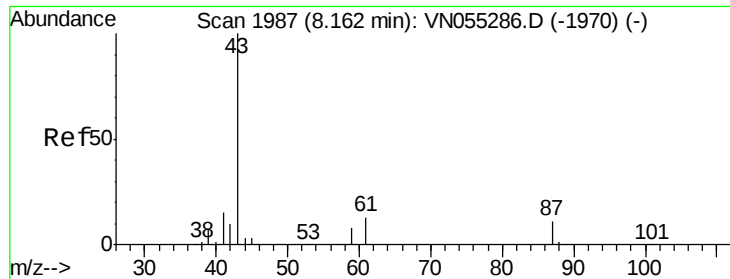
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#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion:	62	Resp:	122079
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4





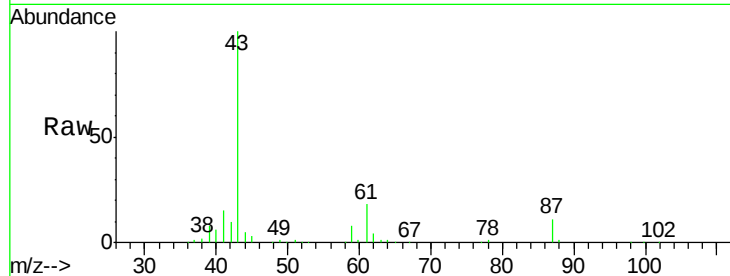
#43
Isopropyl Acetate
Concen: 22.854 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

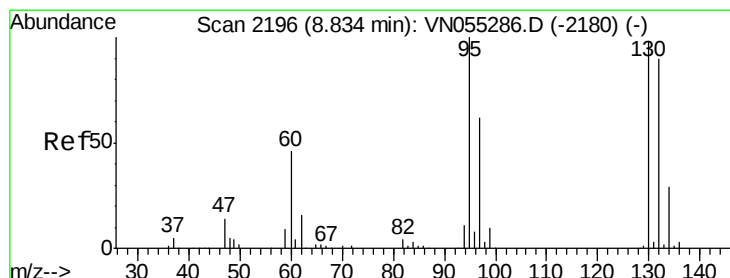
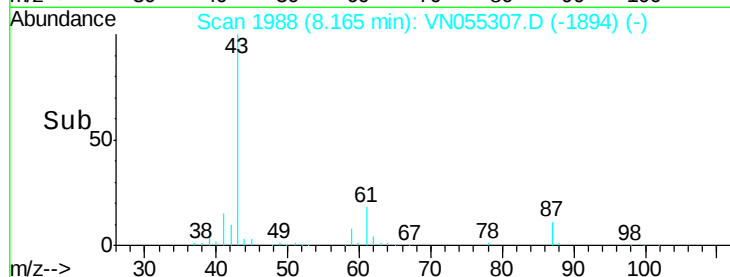
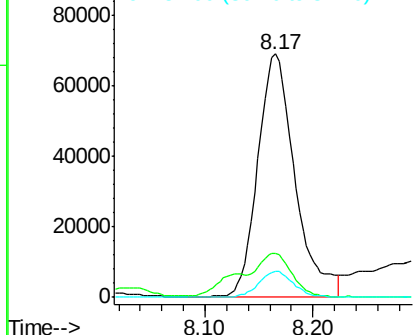
Tot Ion	43	61	87
Resp	164760		
Ratio	100	15.7	9.9
Lower		20.8	8.5
Upper		31.2	12.7

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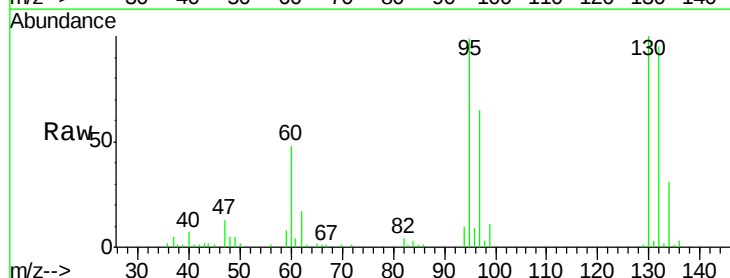


Abundance Ion 43.00 (42.70 to 43.70): VN055307.D (-1894) (-)

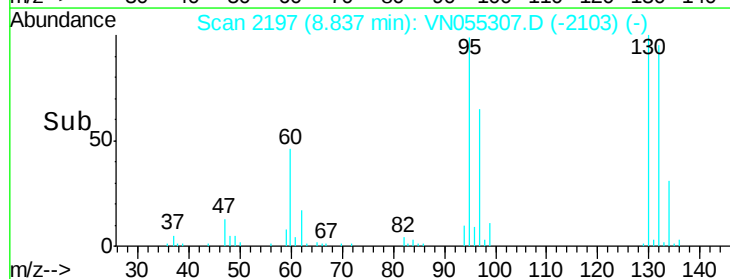
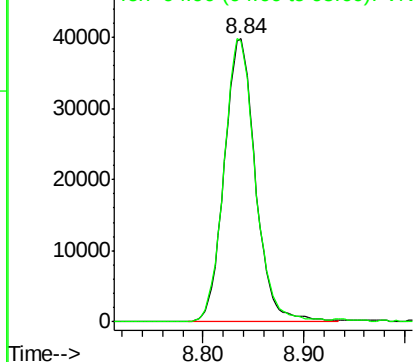


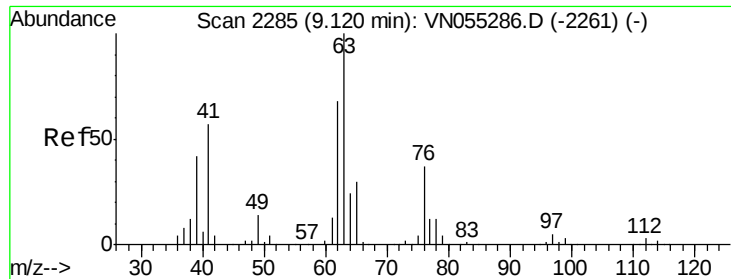
#44
Trichloroethene
Concen: 19.514 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	130	95
Resp	85836	
Ratio	100	99.2
Lower		0.0
Upper		203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055307.D (-2103) (-)





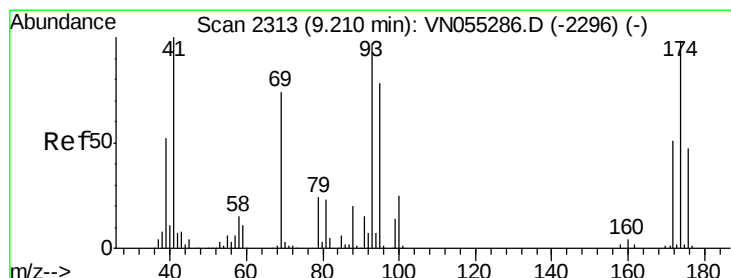
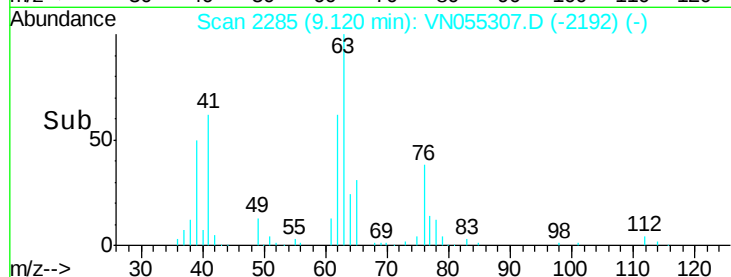
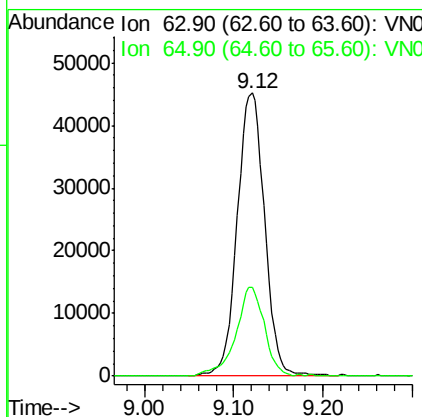
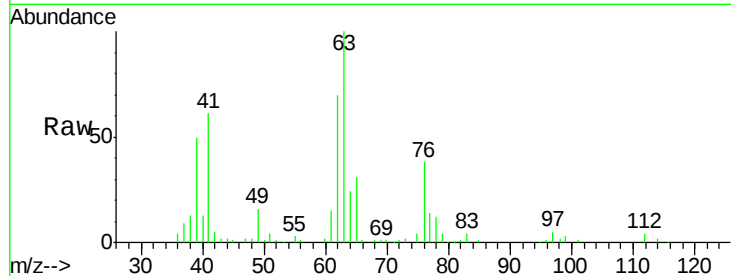
#45
 1,2-Dichloropropane
 Concen: 19.370 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion: 63 Resp: 96396
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.9 35.9

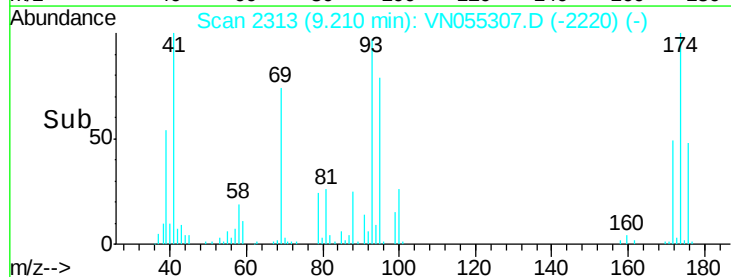
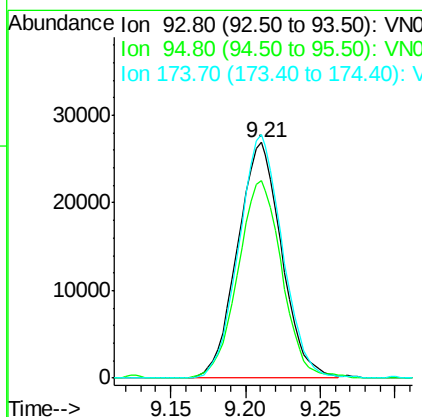
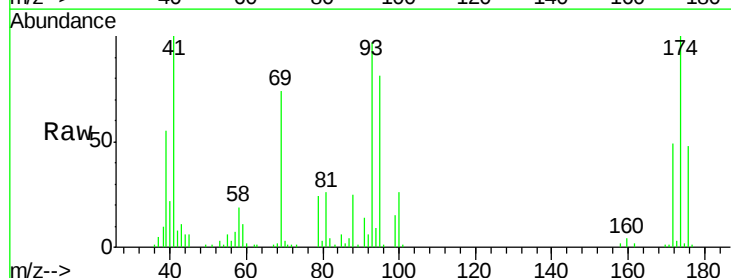
Manual Integrations
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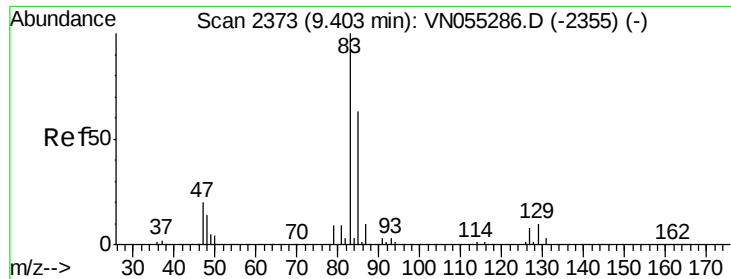
MMDadoda
 5/1/2019 3:01:21 PM



#46
 Dibromomethane
 Concen: 20.275 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion: 93 Resp: 55154
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.7 98.5
 174 101.7 81.5 122.3





#47

Bromodichloromethane

Concen: 19.755 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

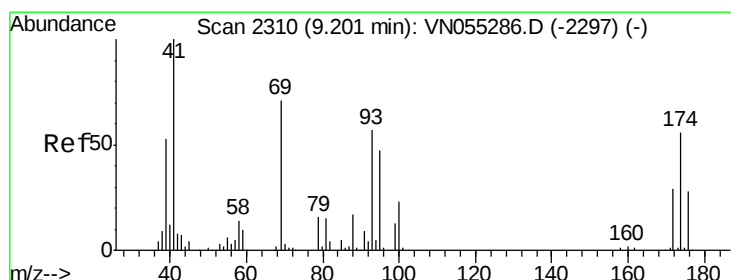
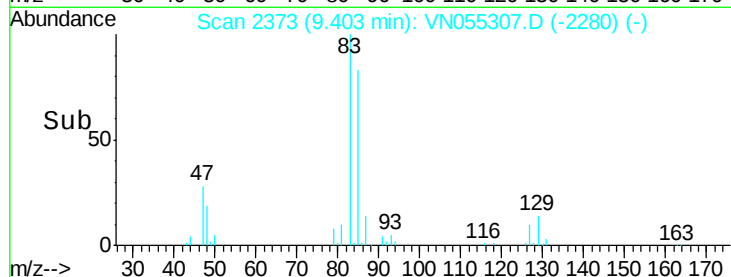
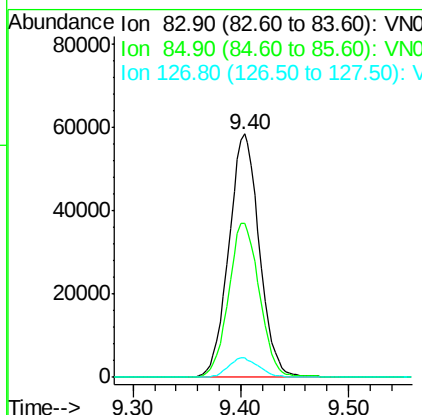
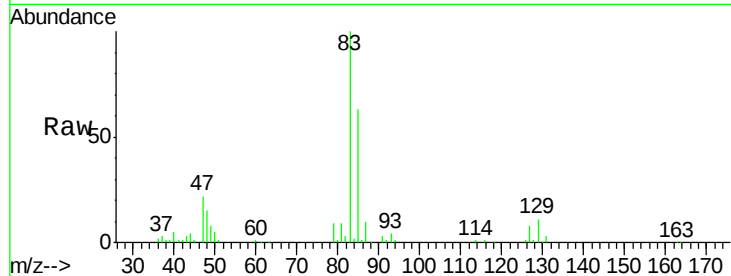
ClientSampleId :

VN0430WBSD01

Tot Ion:	83	Resp:	115287
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.1	75.1
127	7.9	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.599 ug/l

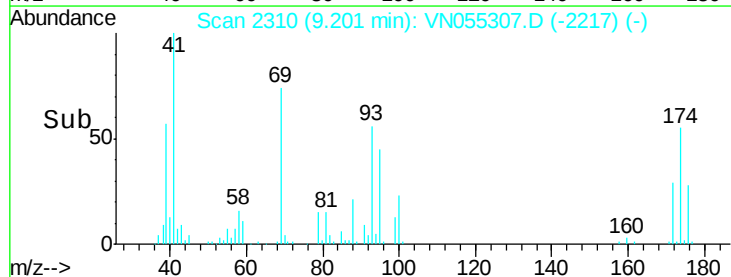
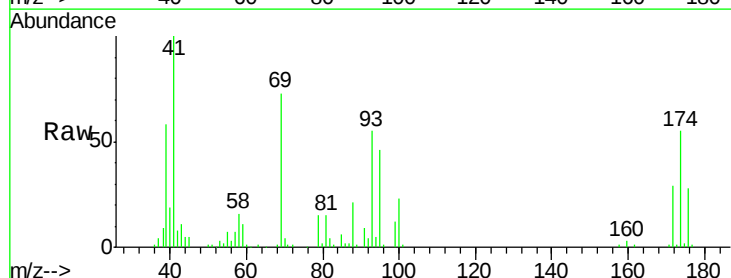
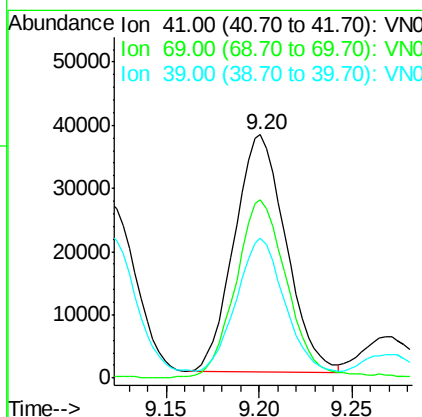
RT: 9.20 min Scan# 2310

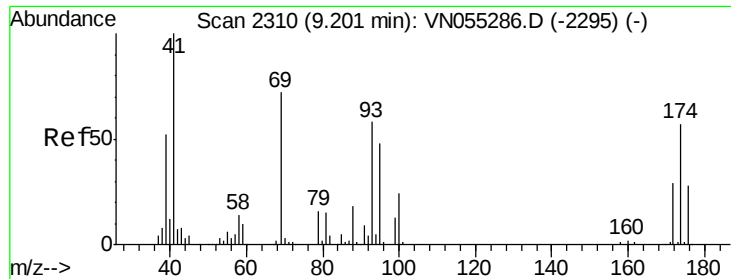
Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	41	Resp:	73005
Ion Ratio	Lower	Upper	
41	100		
69	74.5	58.6	87.8
39	57.3	43.8	65.6





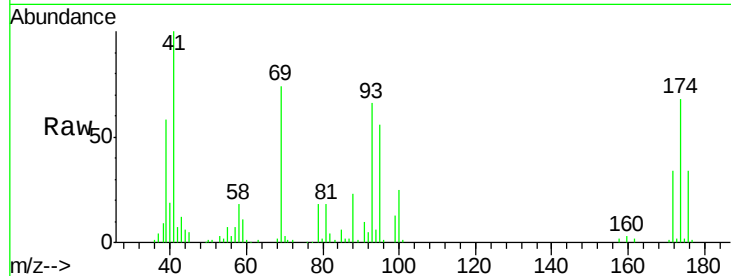
#49
1,4-Dioxane
Concen: 465.599 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion	88	Resp	17058
Ion	Ratio	Lower	Upper
88	100		
43	42.9	33.3	49.9
58	78.5	62.7	94.1

Manual Integrations
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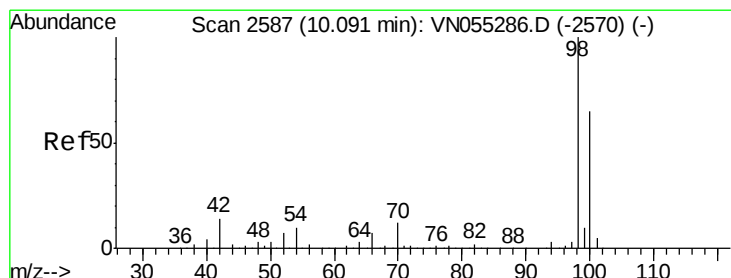
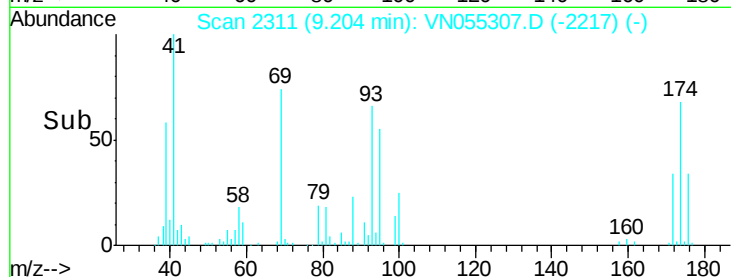
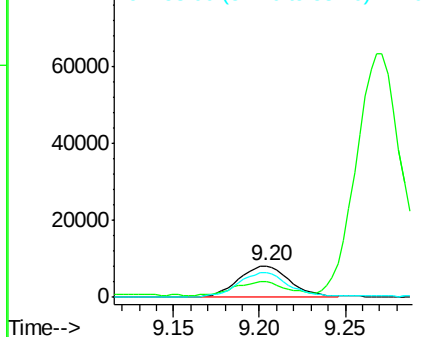
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Abundance Ion 88.00 (87.70 to 88.70): VN055307.D (-2217) (-)

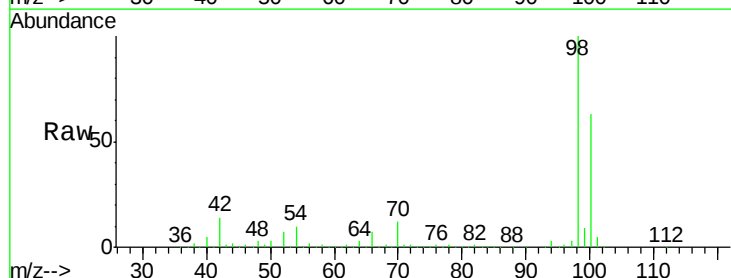
Ion 43.00 (42.70 to 43.70): VN055307.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055307.D (-2217) (-)



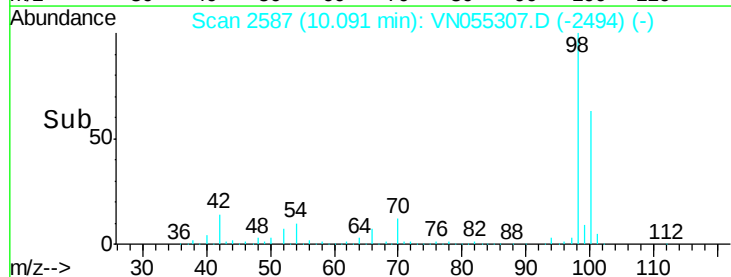
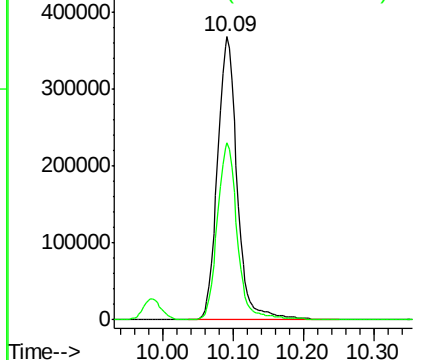
#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	98	Resp	716895
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055307.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055307.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.963 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

Tot Ion: 43 Resp: 442275

Ion Ratio Lower Upper

43 100

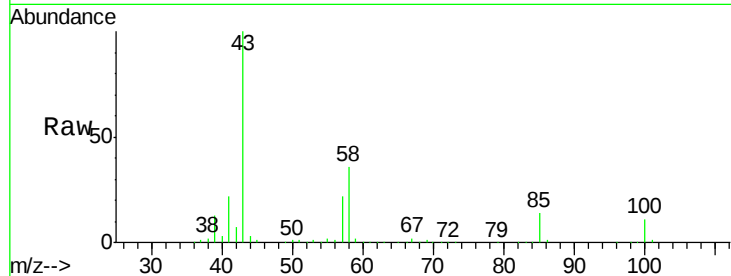
58 35.6 28.5 42.7

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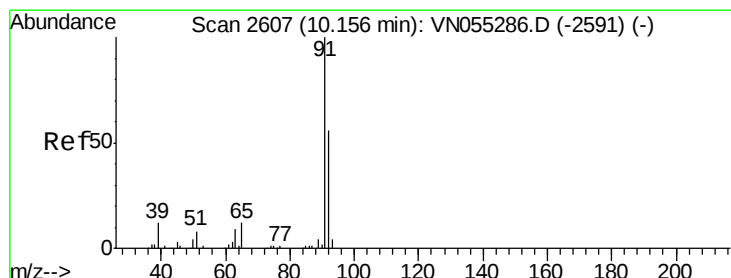
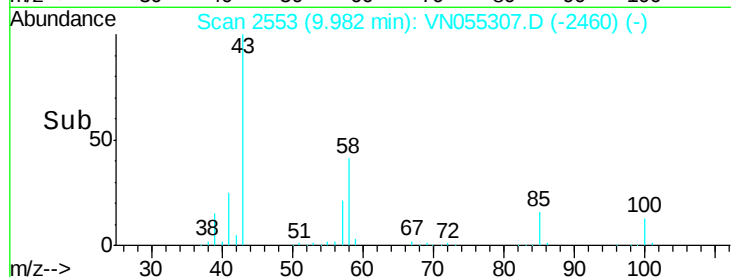
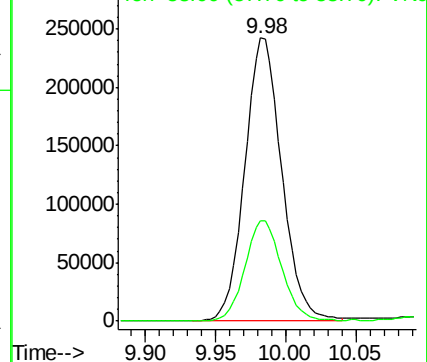
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.036 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055307.D

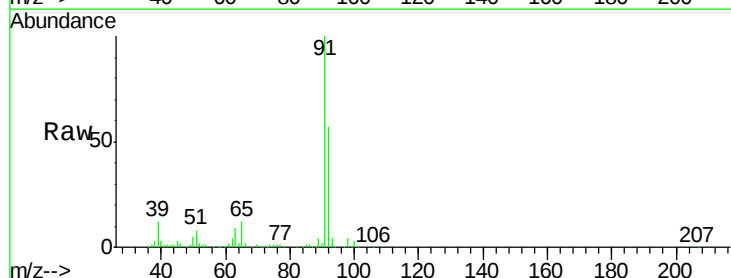
Acq: 30 Apr 2019 14:45

Tgt Ion: 92 Resp: 198366

Ion Ratio Lower Upper

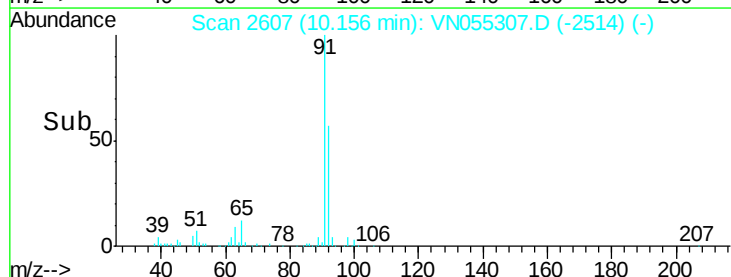
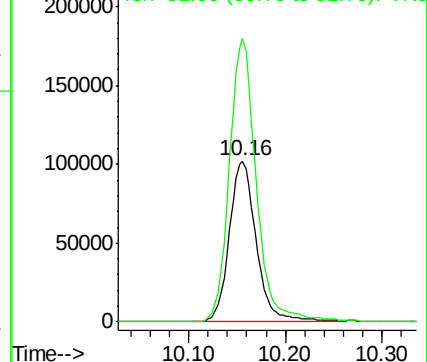
92 100

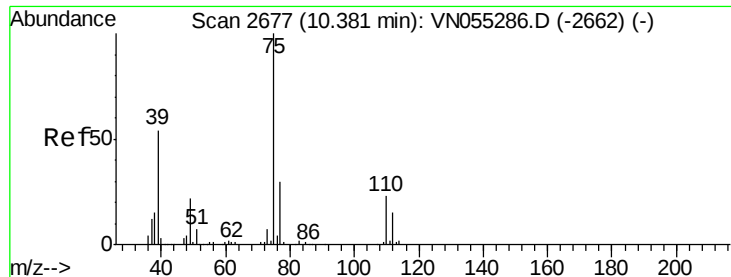
91 176.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





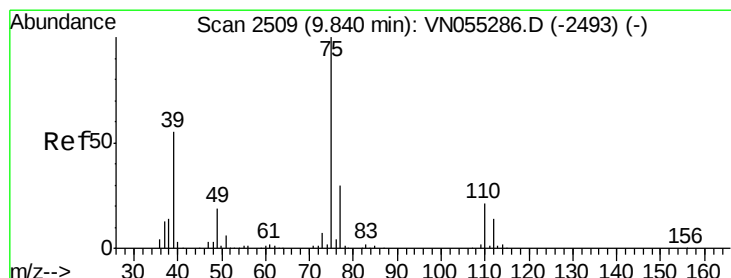
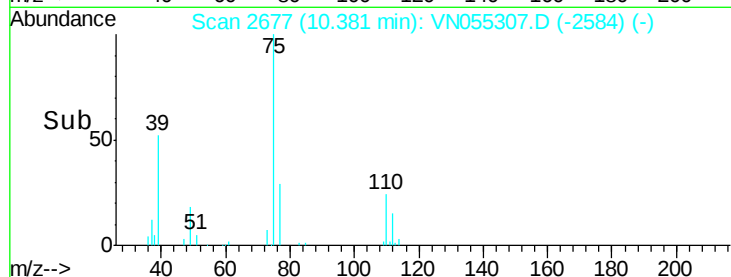
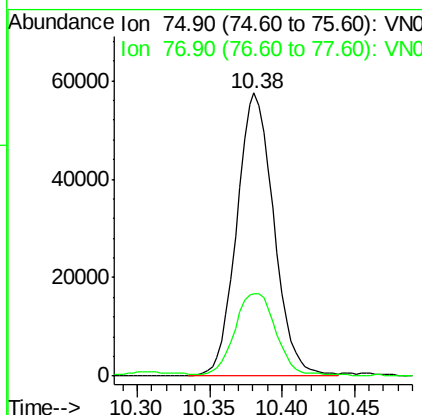
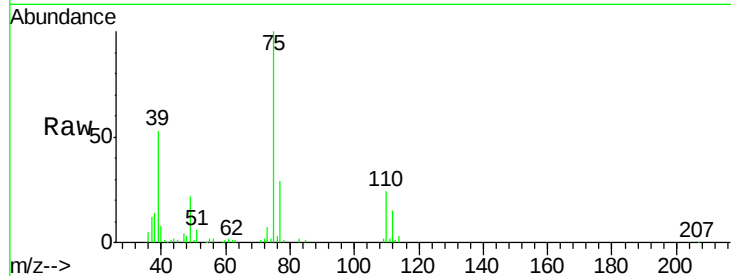
#53
 t-1,3-Dichloropropene
 Concen: 20.238 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.4	36.6

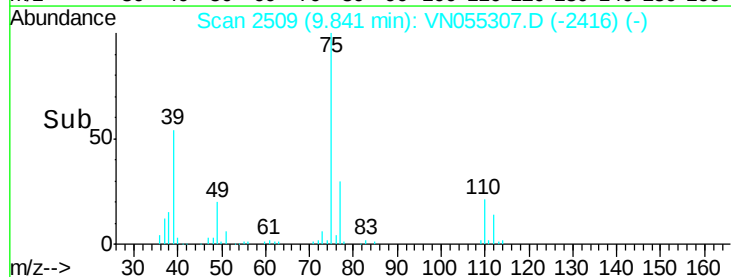
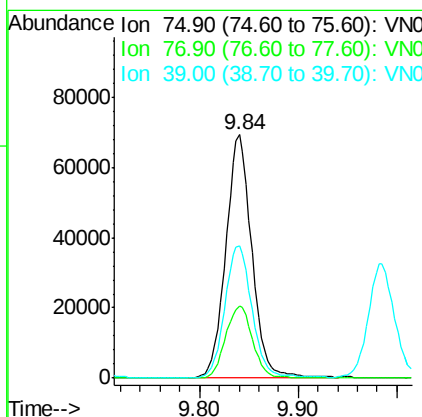
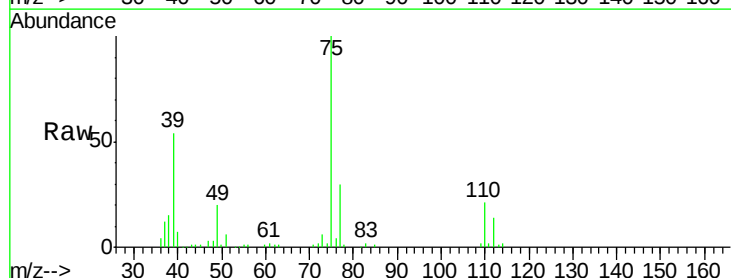
Manual Integrations
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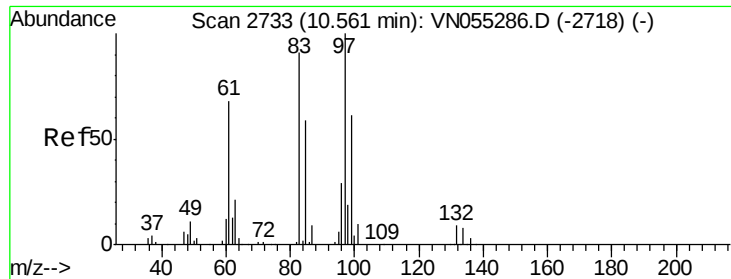
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#54
 cis-1,3-Dichloropropene
 Concen: 20.371 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.2	36.2
39	54.0	44.2	66.2





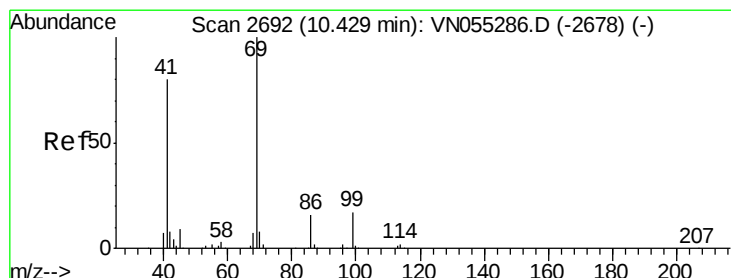
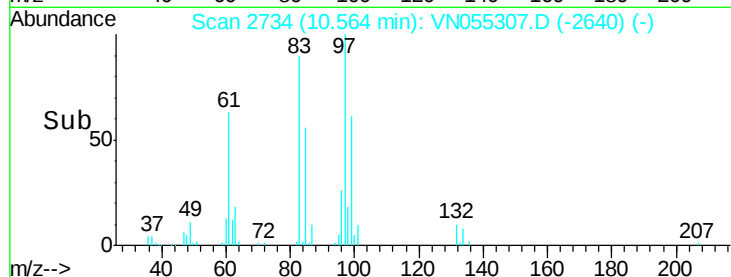
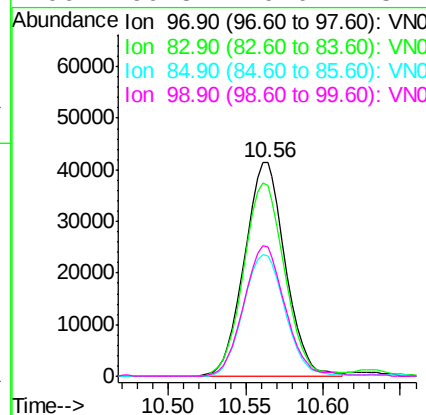
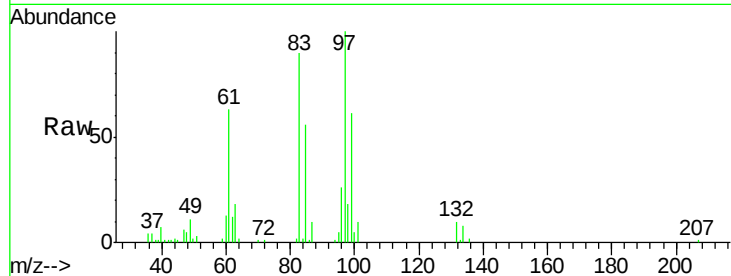
#55
 1,1,2-Trichloroethane
 Concen: 20.750 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion:	97	Resp:	76287
Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.8	109.2
85	56.5	47.0	70.6
99	60.8	49.0	73.4

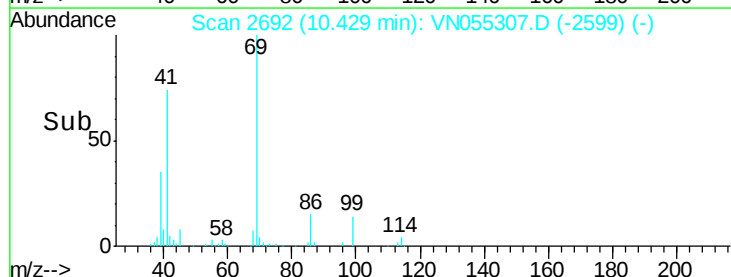
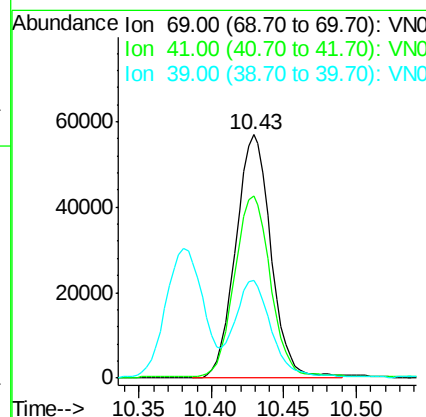
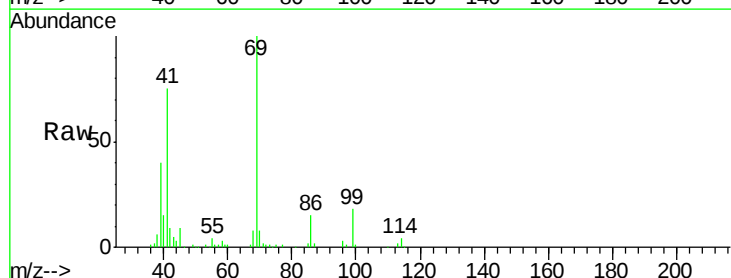
Manual Integrations
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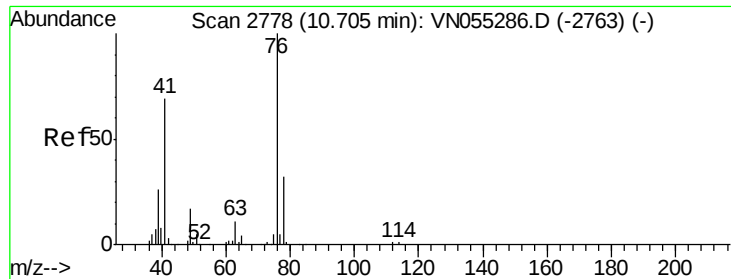
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 5/1/2019 3:01:21 PM



#56
 Ethyl methacrylate
 Concen: 21.314 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion:	69	Resp:	96447
Ion	Ratio	Lower	Upper
69	100		
41	75.7	62.7	94.1
39	40.9	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.409 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampled :

VN0430WBSD01

Tot Ion: 76 Resp: 131625

Ion Ratio Lower Upper

76 100

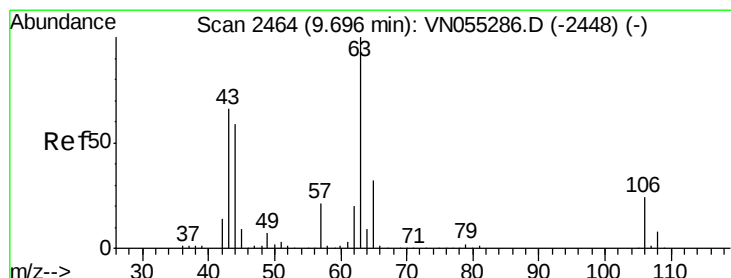
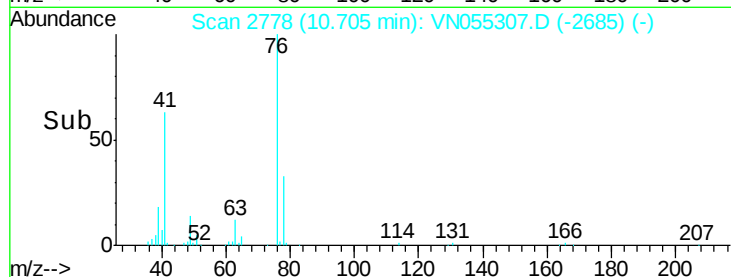
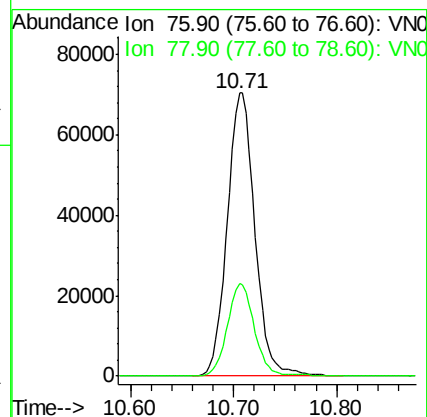
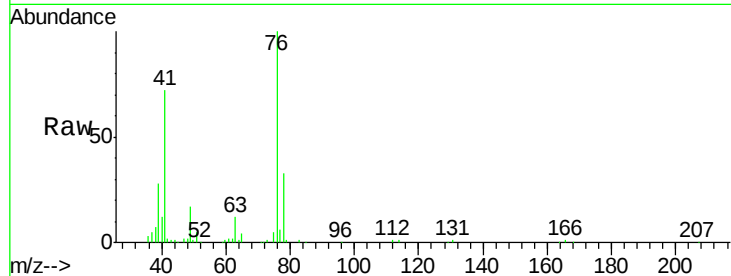
78 31.5 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 109.169 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055307.D

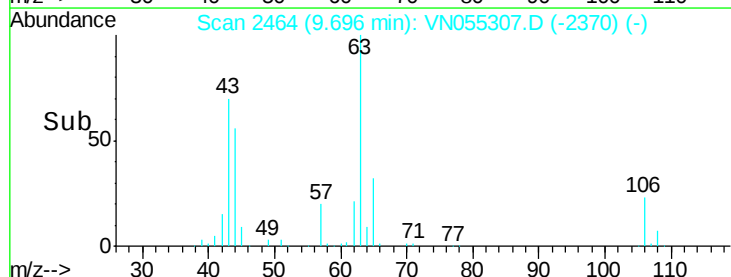
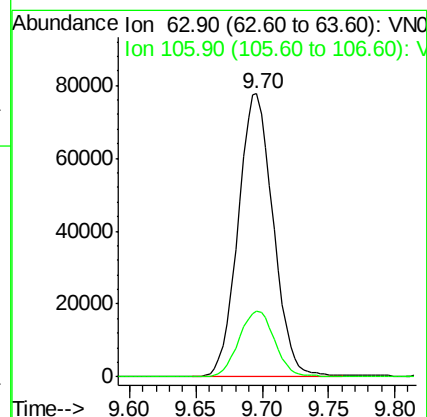
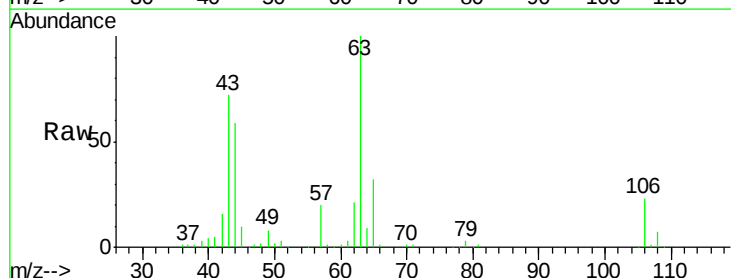
Acq: 30 Apr 2019 14:45

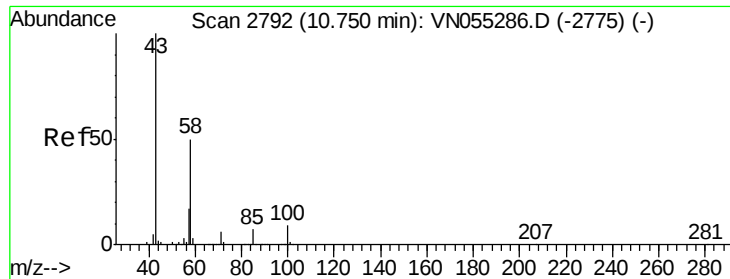
Tgt Ion: 63 Resp: 142986

Ion Ratio Lower Upper

63 100

106 23.7 19.0 28.4





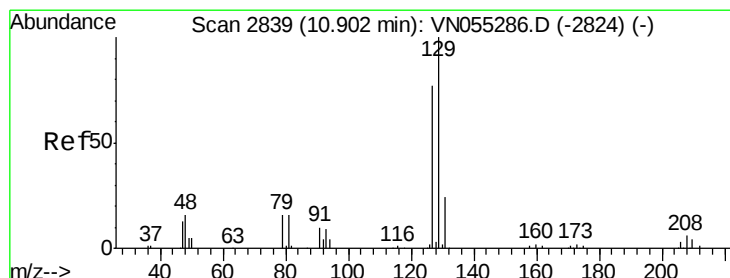
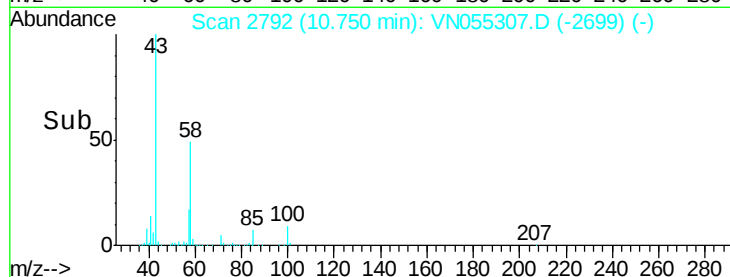
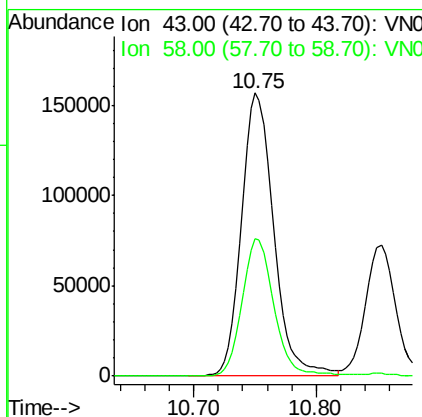
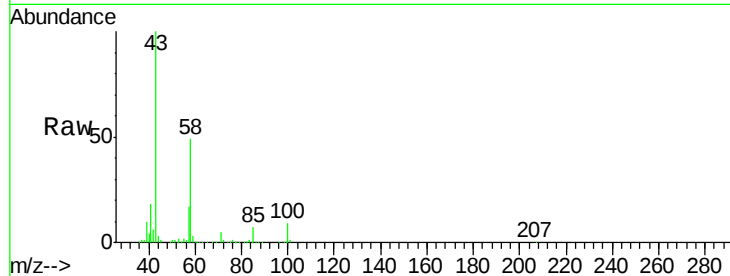
#59
2-Hexanone
Concen: 111.370 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	24.9	74.6

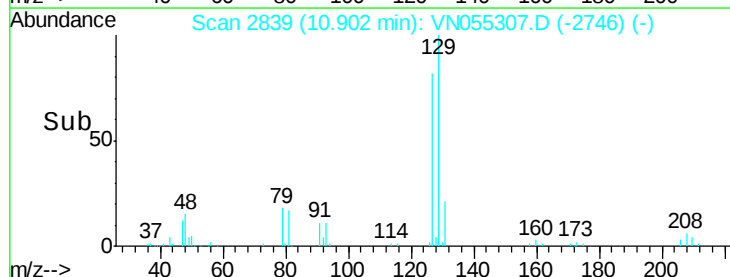
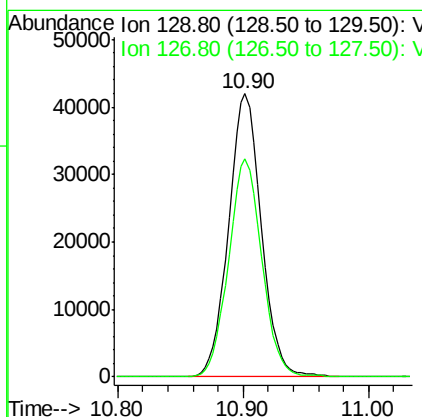
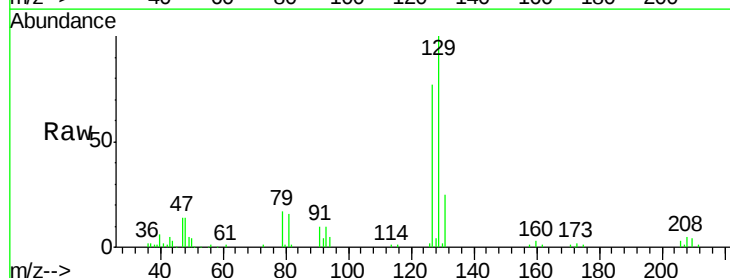
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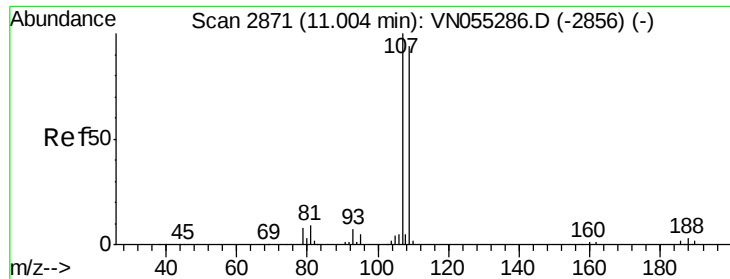
MMDadoda
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#60
Dibromochloromethane
Concen: 20.224 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.1	114.5





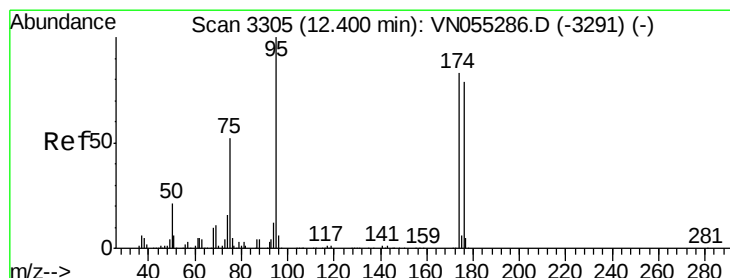
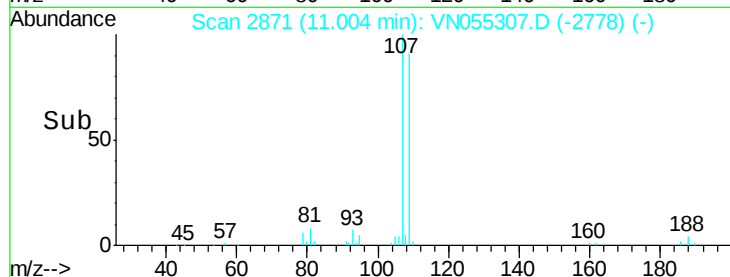
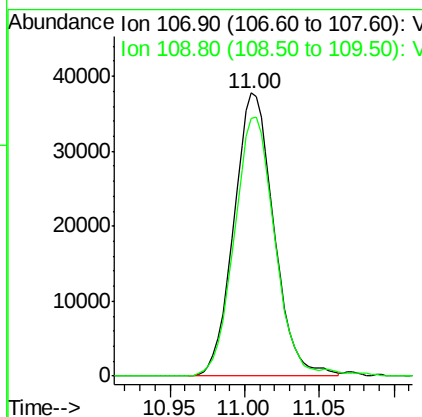
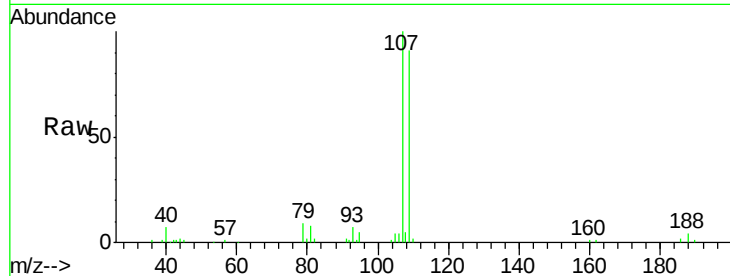
#61
 1,2-Dibromoethane
 Concen: 20.659 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion:107 Resp: 70201
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.0 112.6

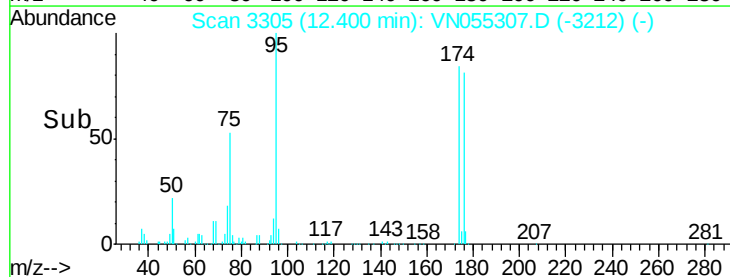
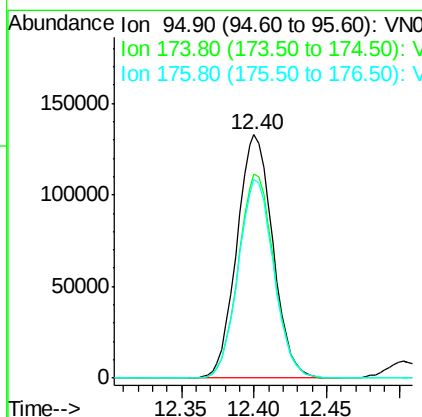
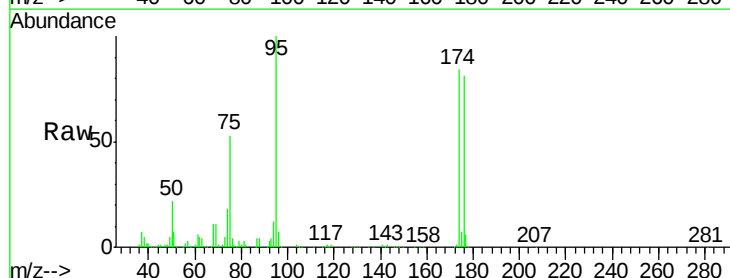
Manual Integrations
 APPROVED

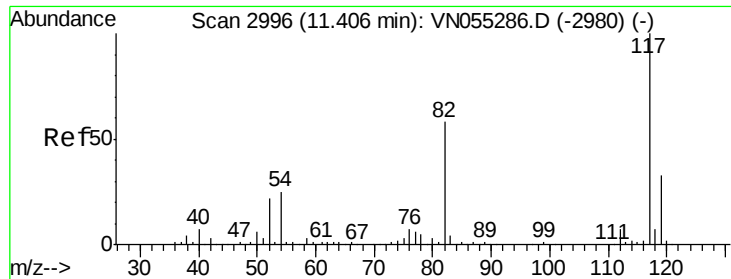
MMDadoda
 5/1/2019 3:01:21 PM



#62
 4-Bromofluorobenzene
 Concen: 50.581 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion: 95 Resp: 228954
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 166.6
 176 80.7 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

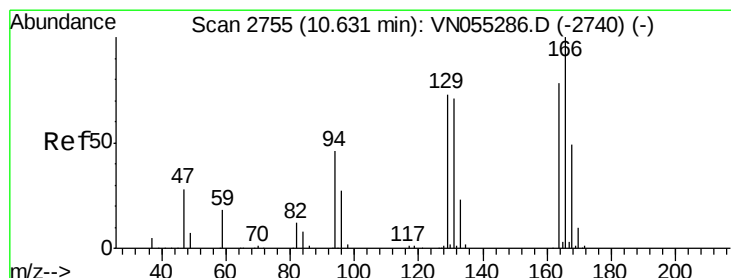
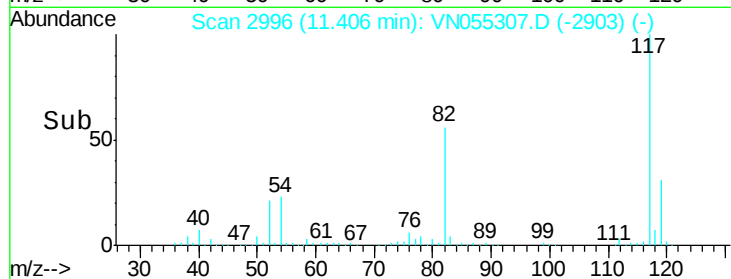
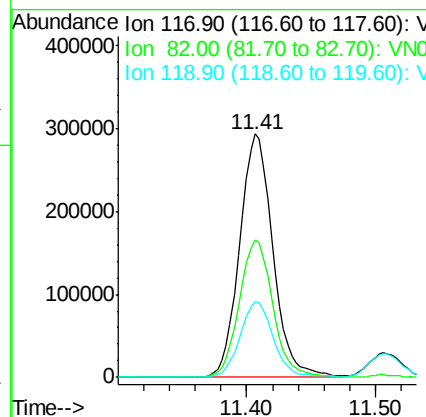
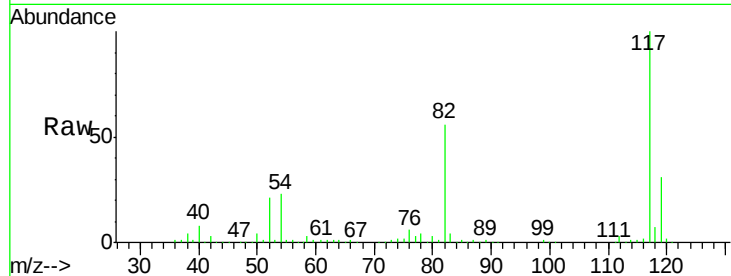
ClientSampled :

VN0430WBSD01

Tot Ion:	117	Resp:	526962
Ion Ratio	Lower	Upper	
117	100		
82	56.4	46.2	69.4
119	31.1	26.6	40.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.936 ug/l

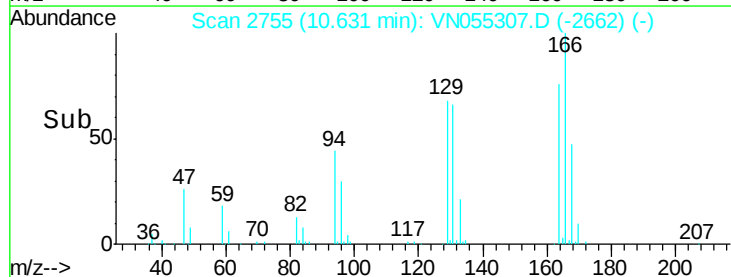
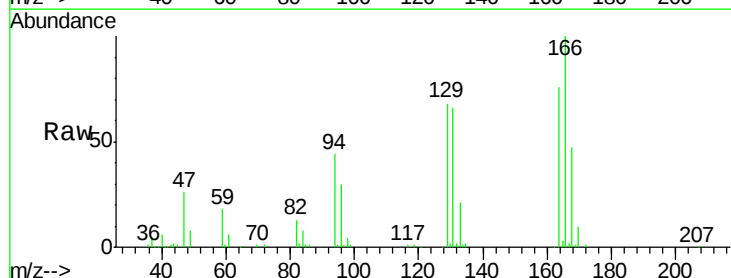
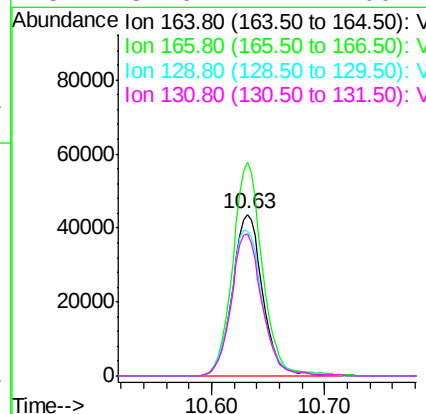
RT: 10.63 min Scan# 2755

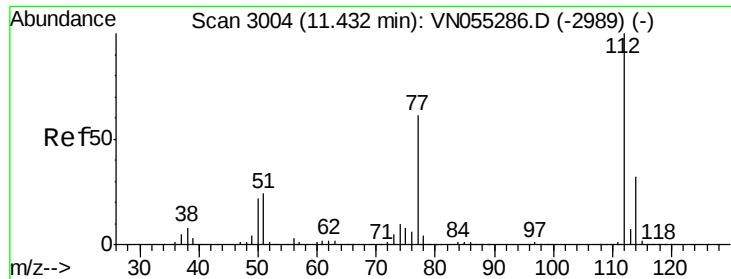
Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	164	Resp:	81601
Ion Ratio	Lower	Upper	
164	100		
166	131.9	102.3	153.5
129	89.5	75.0	112.6
131	87.6	72.7	109.1





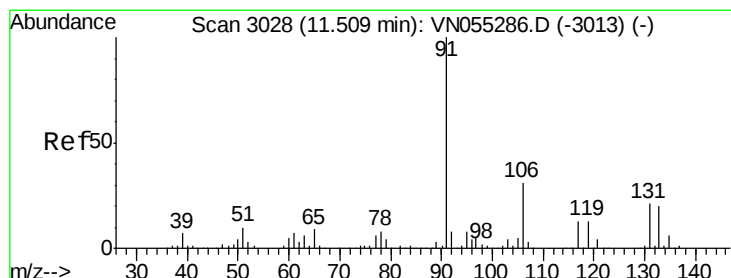
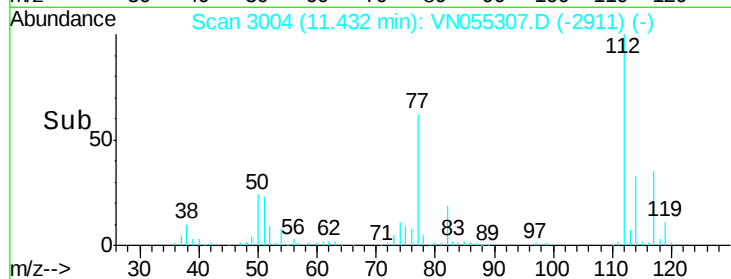
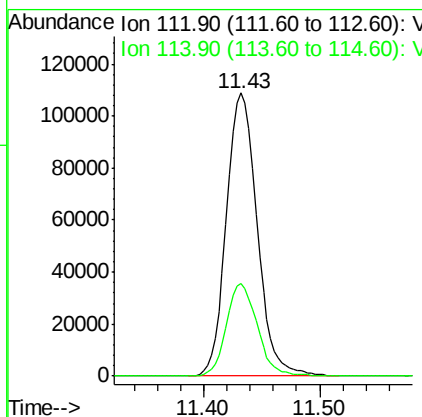
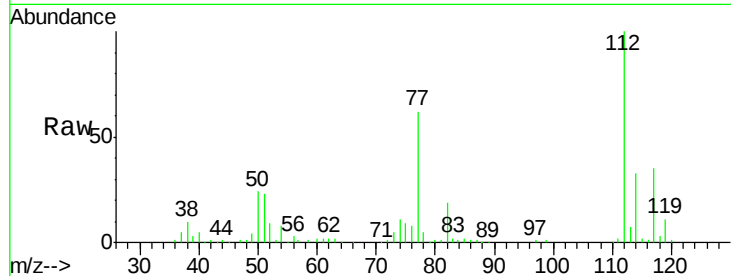
#65
Chlorobenzene
Concen: 19.403 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion:112 Resp: 199901
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

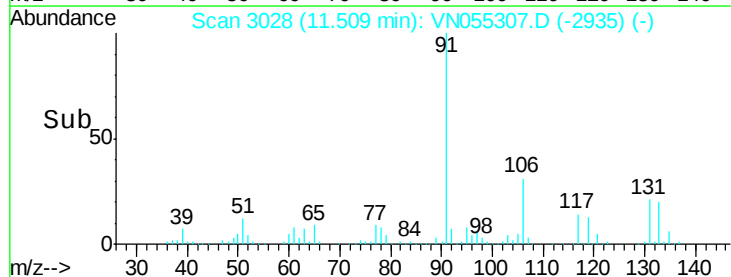
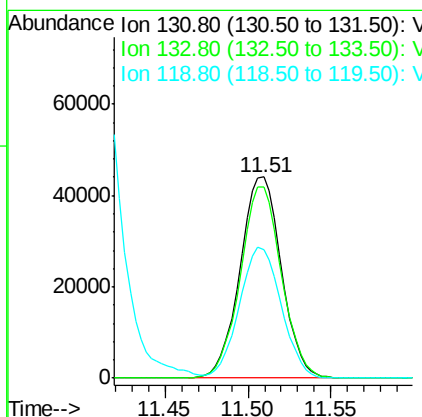
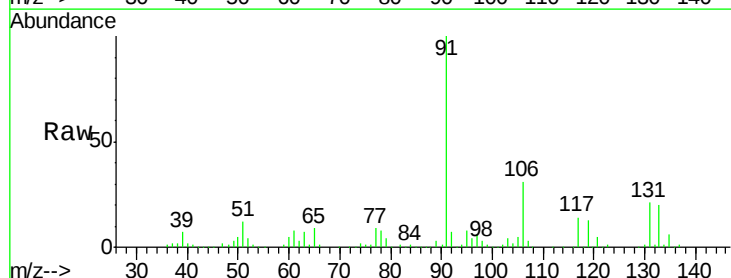
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.943 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion:131 Resp: 76420
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 66.0 32.7 98.1





#67

Ethyl Benzene

Concen: 19.717 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

Tot Ion: 91 Resp: 366825

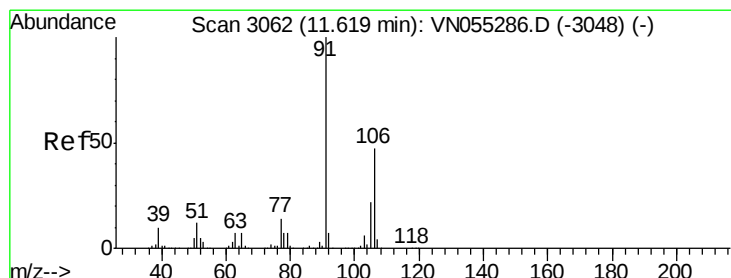
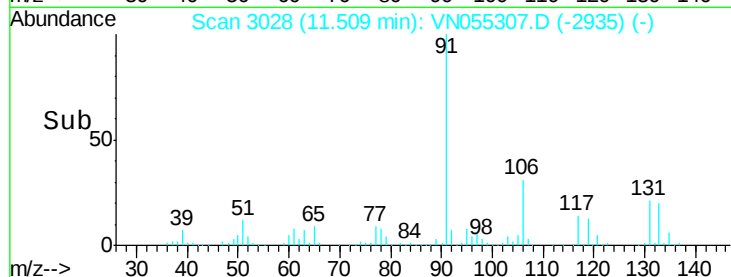
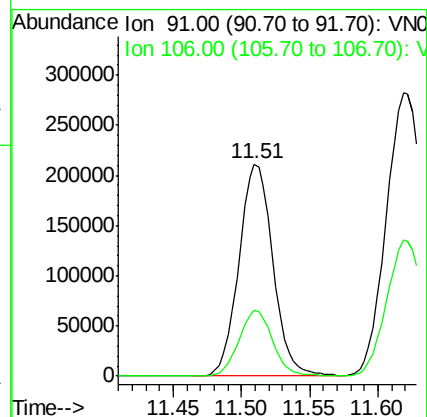
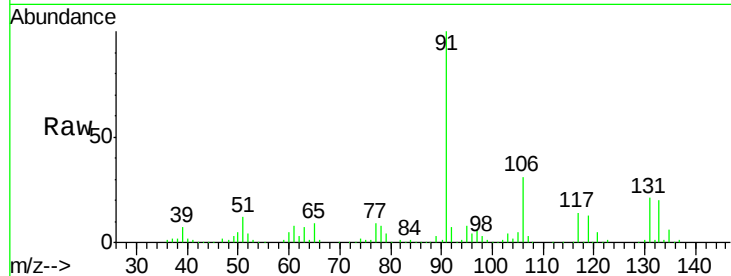
Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.803 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055307.D

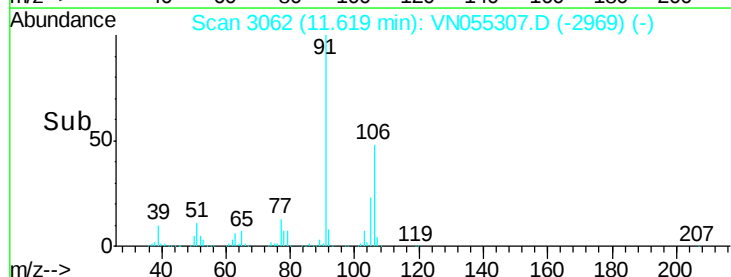
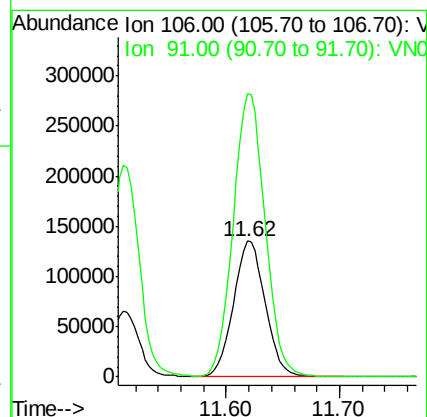
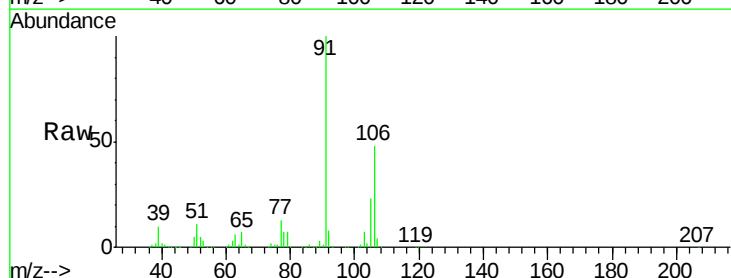
Acq: 30 Apr 2019 14:45

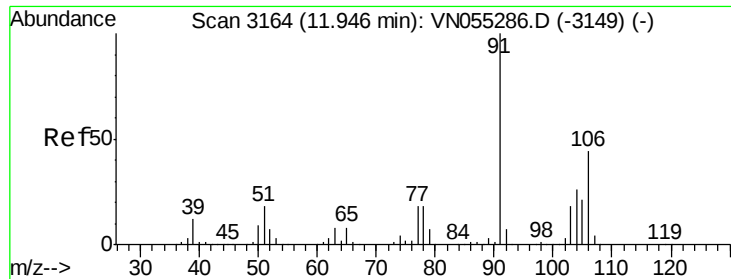
Tgt Ion: 106 Resp: 264324

Ion Ratio Lower Upper

106 100

91 209.6 169.5 254.3





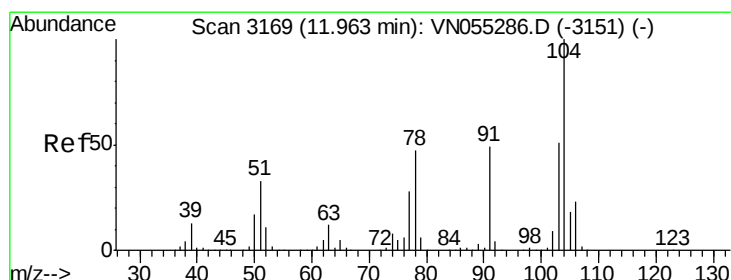
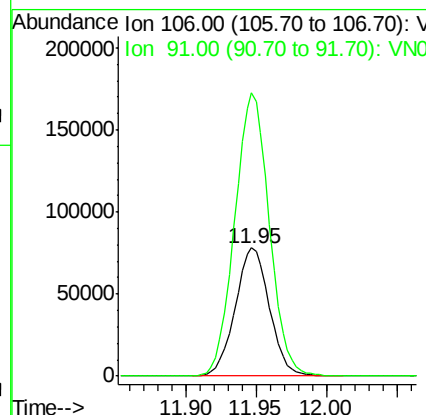
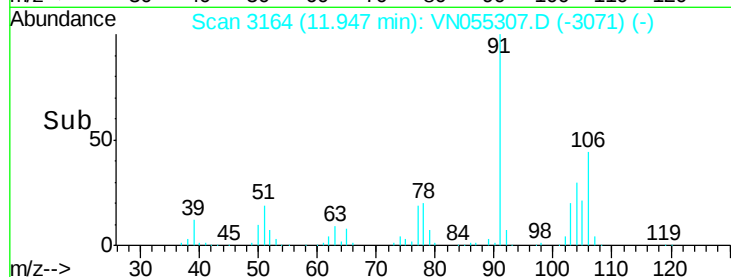
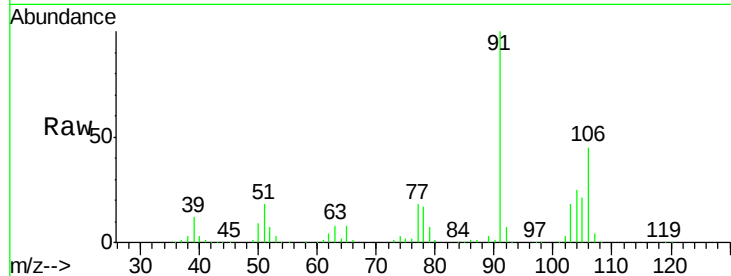
#69
o-Xylene
Concen: 20.150 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

Tot Ion:106 Resp: 132634
Ion Ratio Lower Upper
106 100
91 223.1 111.5 334.5

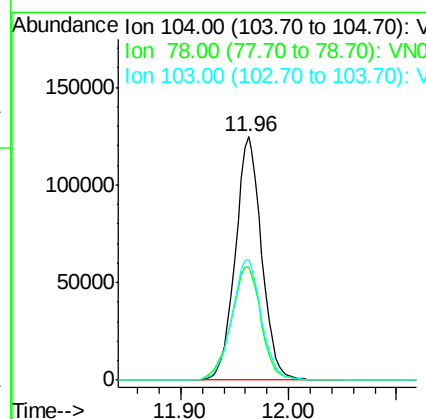
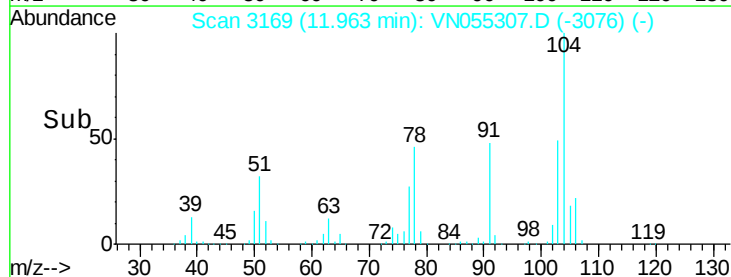
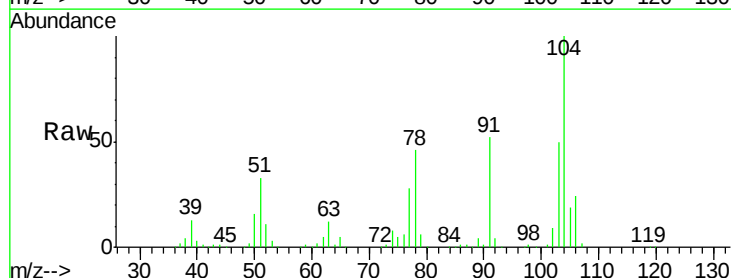
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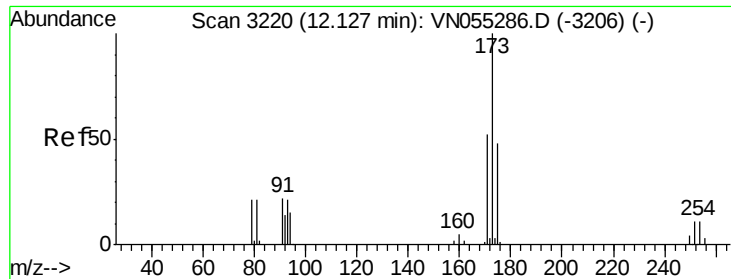
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#70
Styrene
Concen: 20.995 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion:104 Resp: 212180
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.2
103 55.5 44.6 67.0





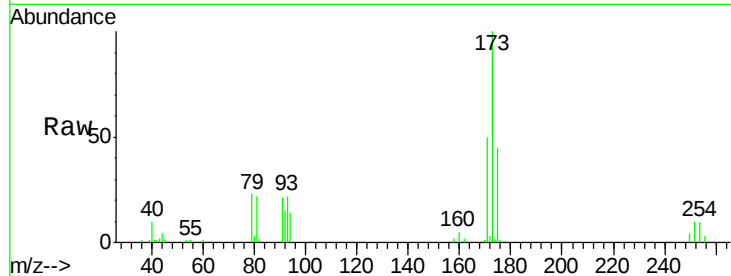
#71
Bromoform
Concen: 20.914 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

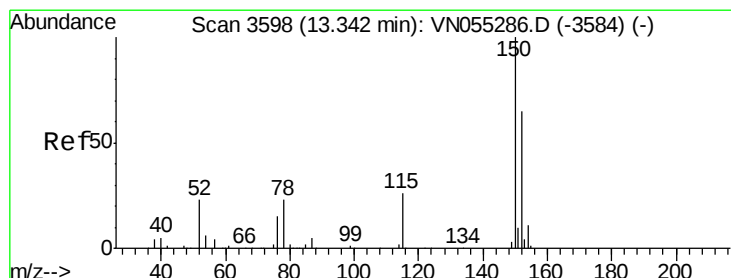
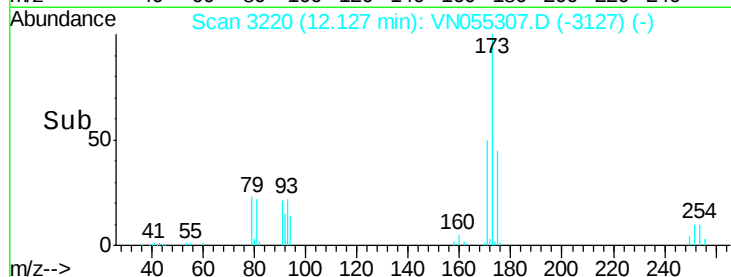
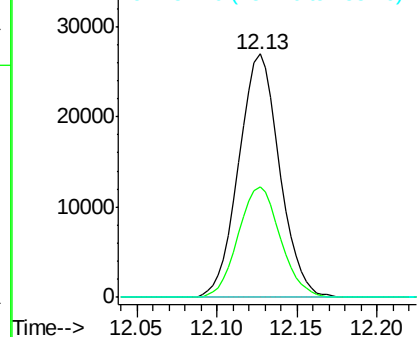
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.6	71.0
254	0.0	0.0	0.0

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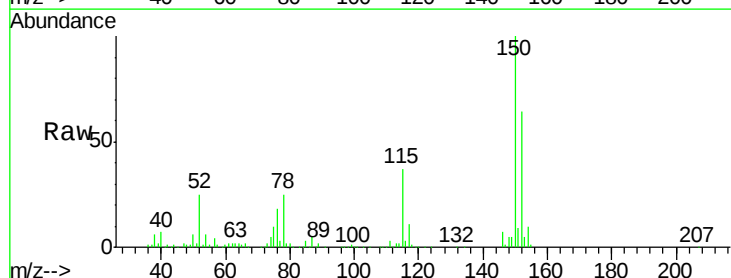


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

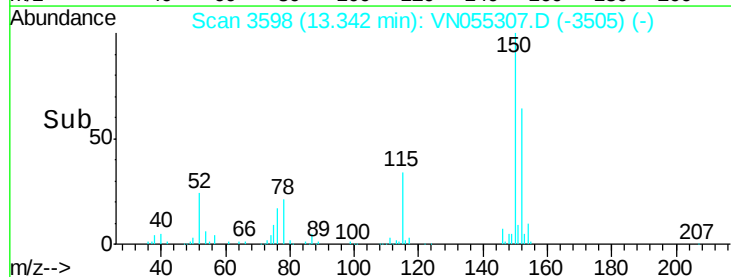
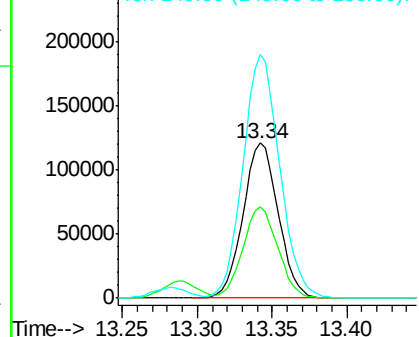


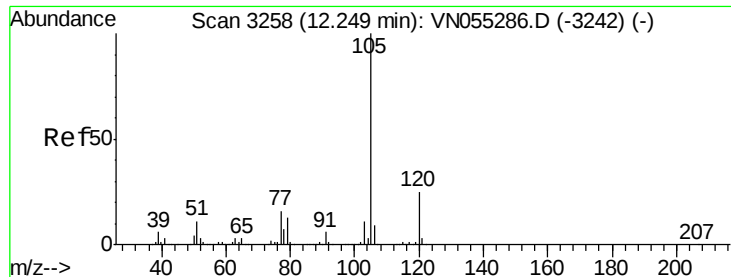
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.0	87.0
150	163.7	0.0	345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





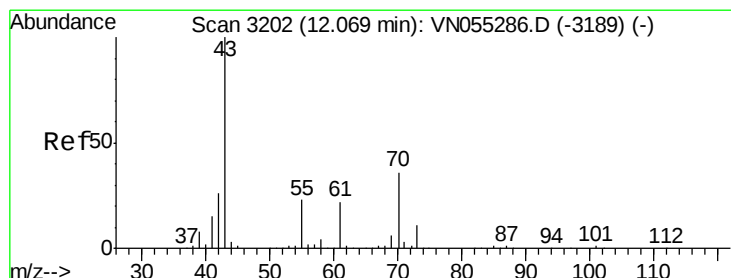
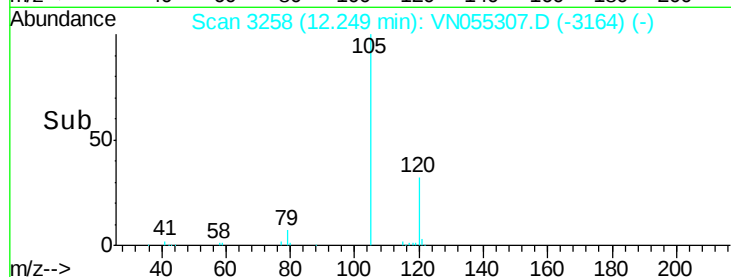
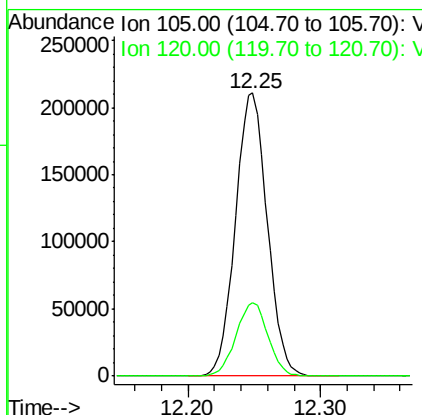
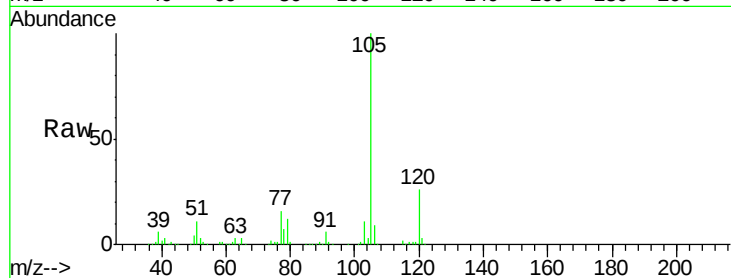
#73
Isopropylbenzene
Concen: 20.373 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

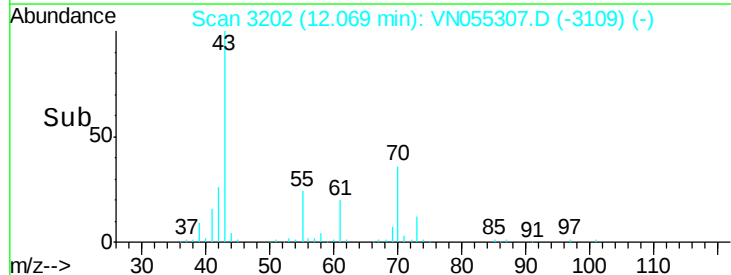
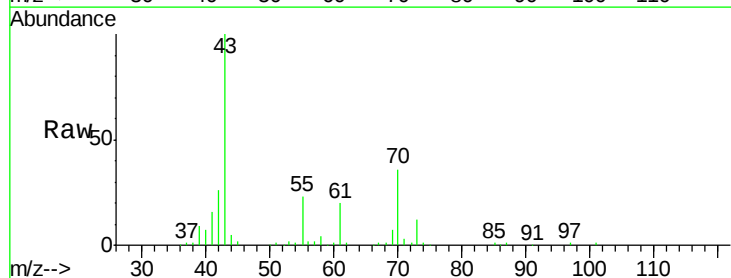
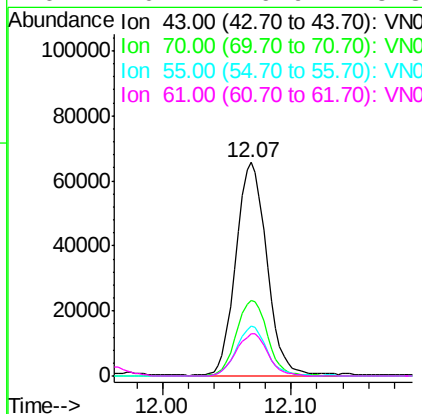
Manual Integrations
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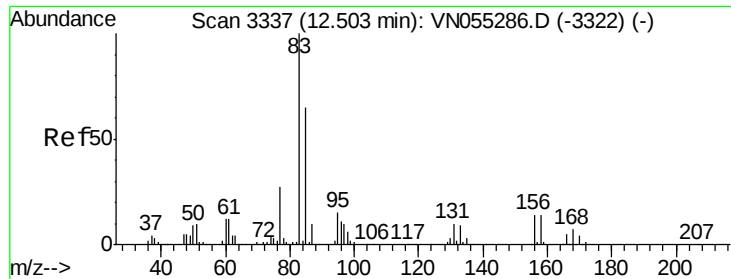
MMDadoda
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#74
N-ethyl acetate
Concen: 21.519 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.7	27.9	41.9
55	22.9	18.2	27.2
61	20.7	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.152 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

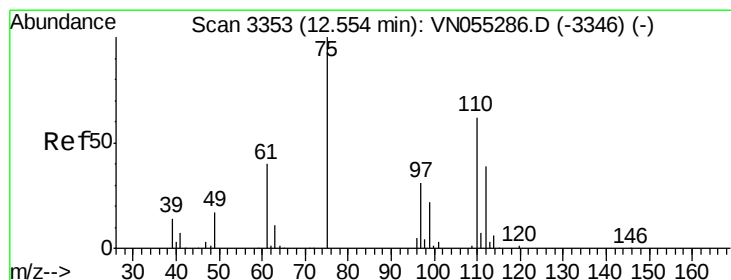
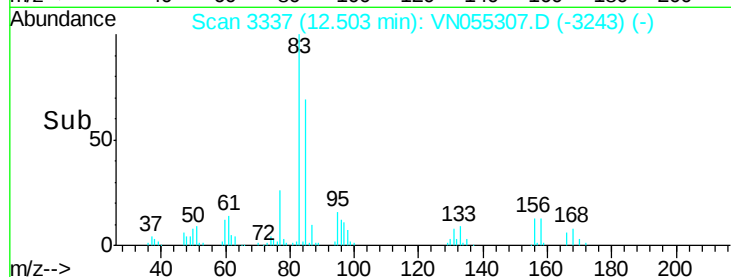
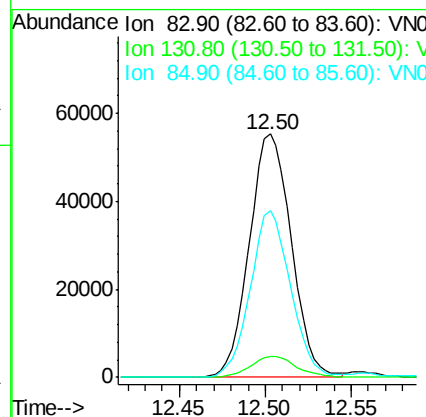
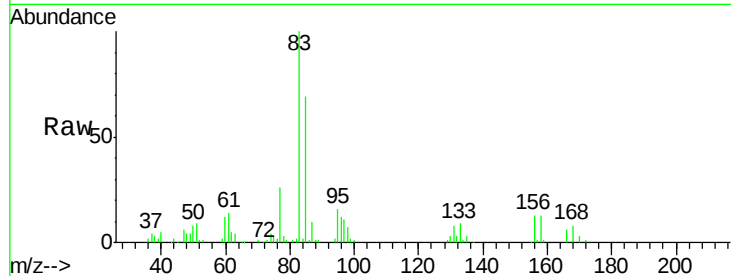
ClientSampled :

VN0430WBSD01

Tot Ion:	83	Resp:	93908
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.1	15.2
85	65.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.330 ug/l m

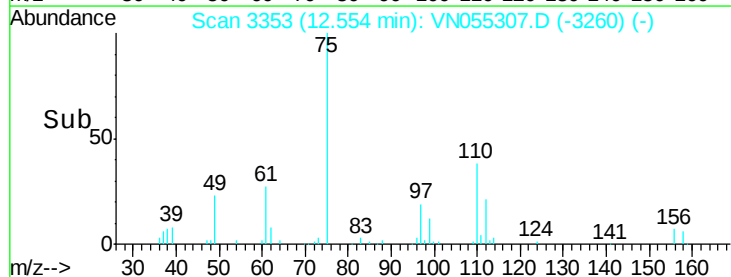
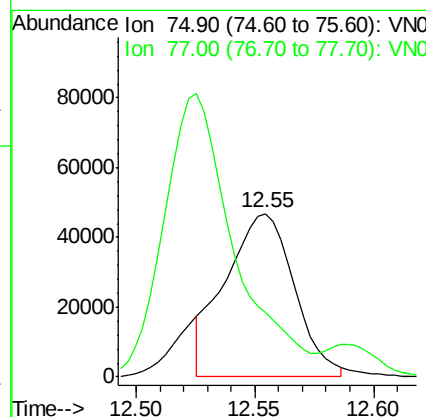
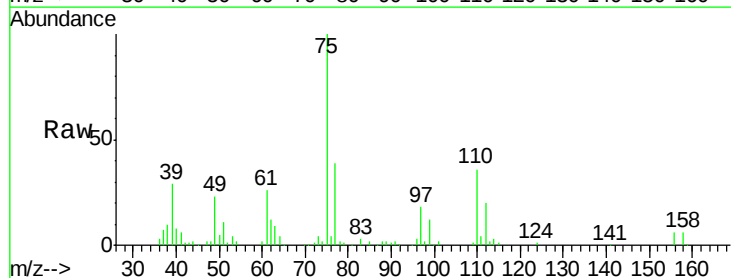
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	75	Resp:	94354
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.248 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

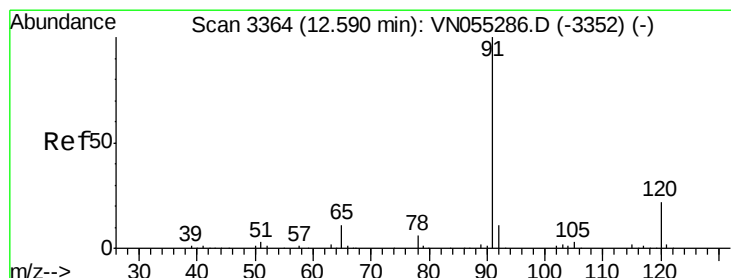
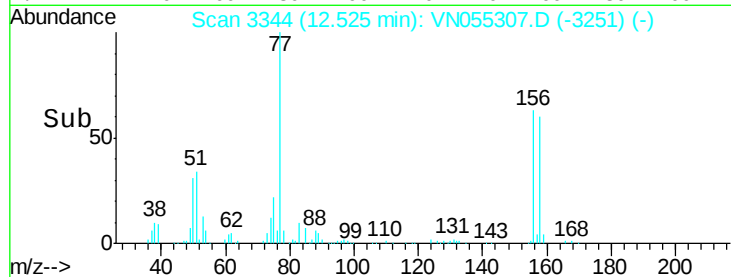
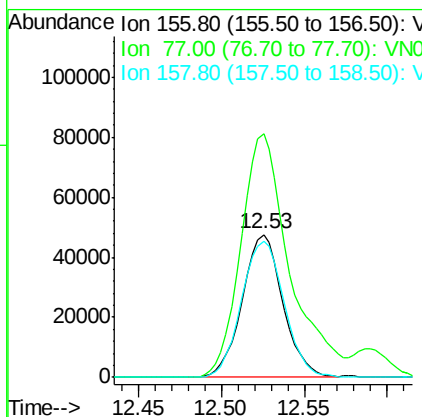
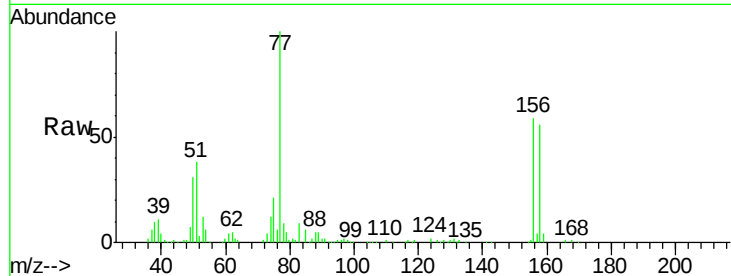
ClientSampled :

VN0430WBSD01

Tot Ion:	156	Resp:	81486
Ion	Ratio	Lower	Upper
156	100		
77	205.6	99.6	298.8
158	99.9	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.572 ug/l

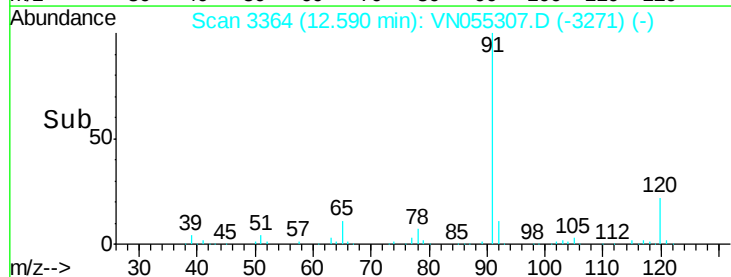
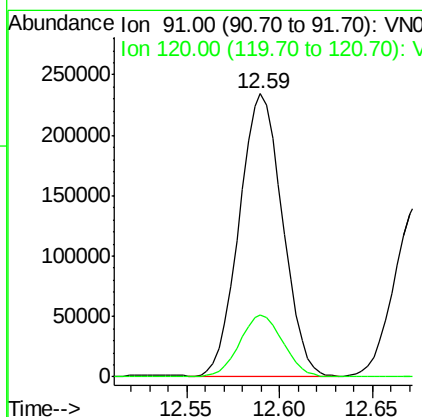
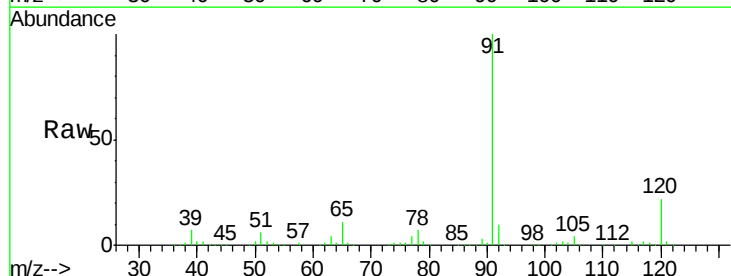
RT: 12.59 min Scan# 3364

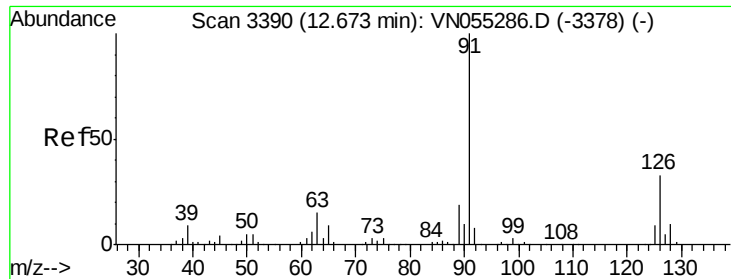
Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	91	Resp:	377947
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





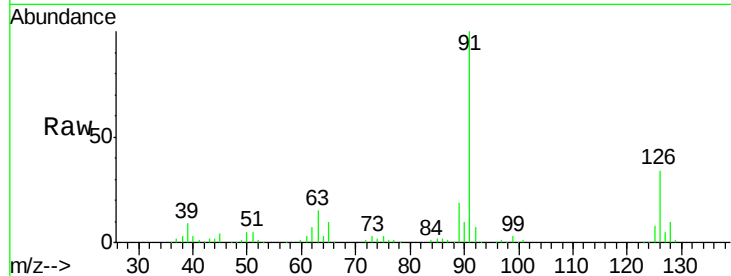
#79
 2-Chlorotoluene
 Concen: 20.833 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBSD01

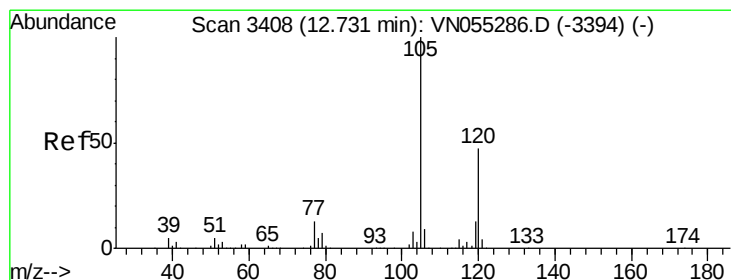
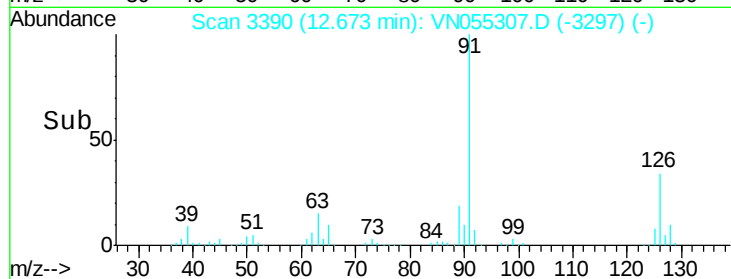
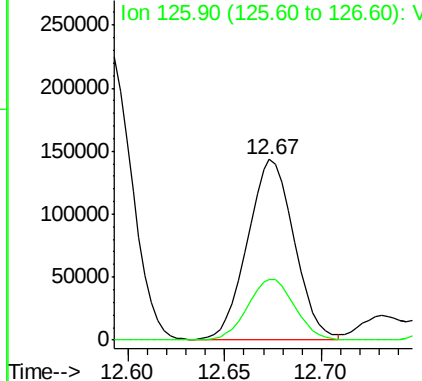
Tot Ion: 91 Resp: 240357
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.6 49.7

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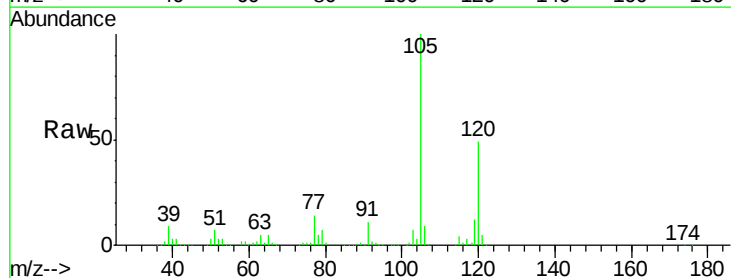


Abundance Ion 91.00 (90.70 to 91.70): VN055307.D (-3297) (-)
 Ion 125.90 (125.60 to 126.60): VN055307.D (-3297) (-)

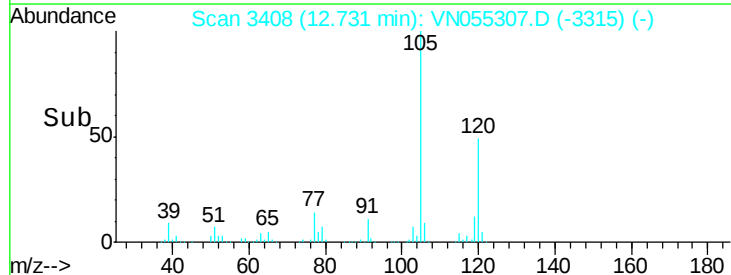
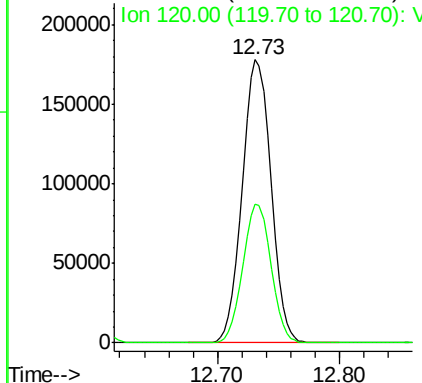


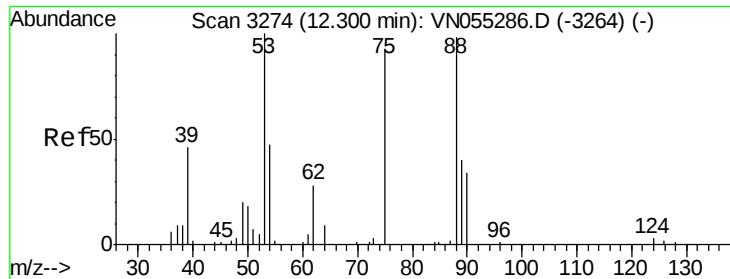
#80
 1,3,5-Trimethylbenzene
 Concen: 18.576 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion: 105 Resp: 288512
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055307.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN055307.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.774 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

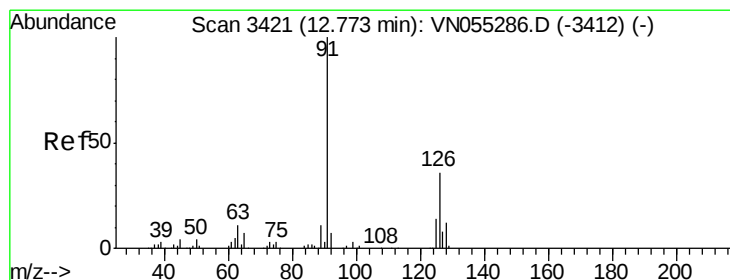
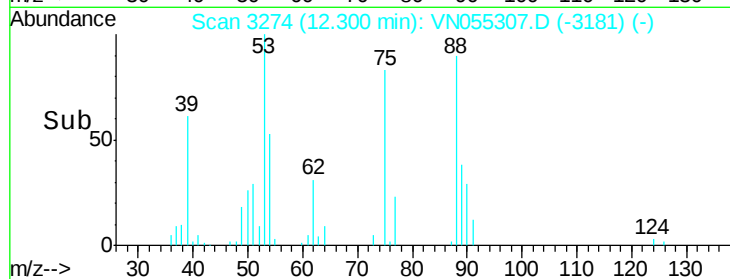
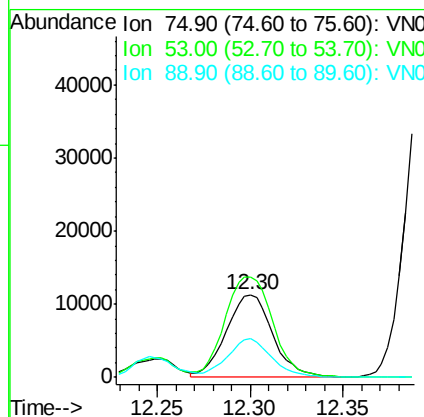
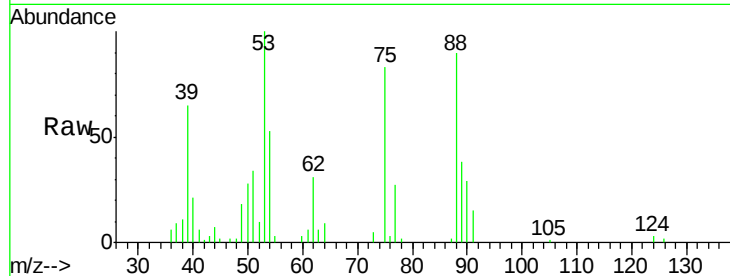
ClientSampled :

VN0430WBSD01

Tot Ion:	75	Resp:	19627
Ion	Ratio	Lower	Upper
75	100		
53	126.5	86.3	129.5
89	44.9	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.951 ug/l

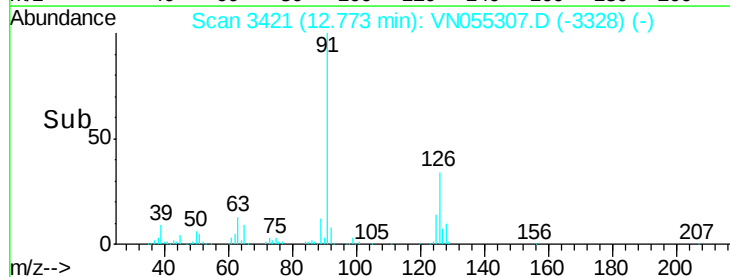
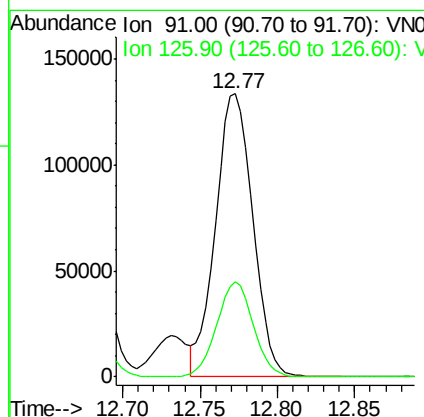
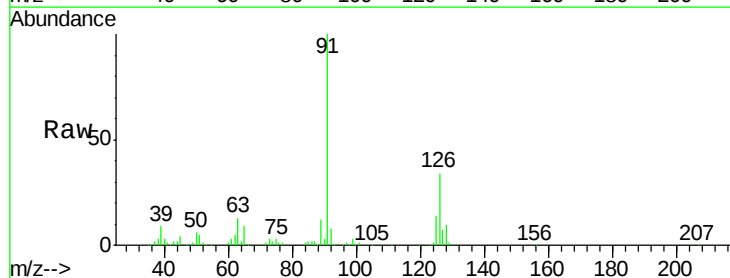
RT: 12.77 min Scan# 3421

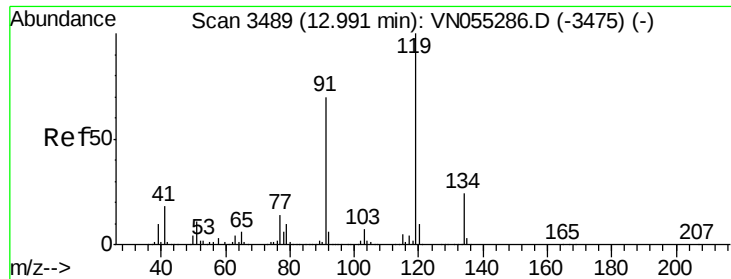
Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	91	Resp:	224241
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.7





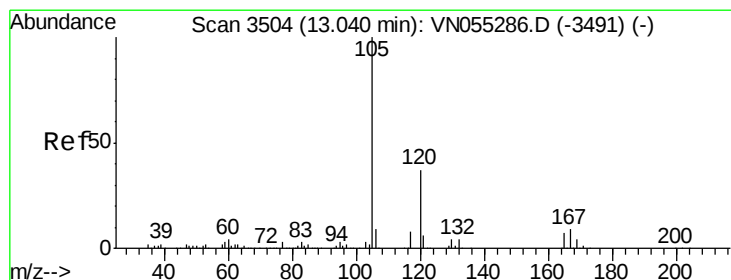
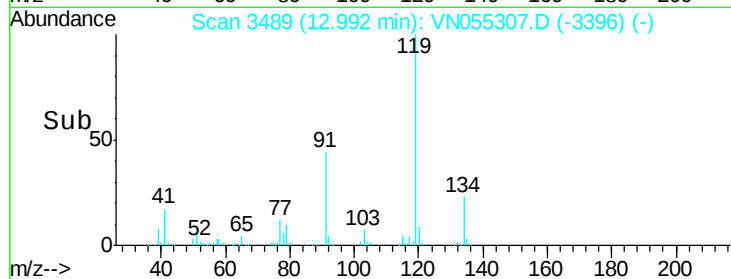
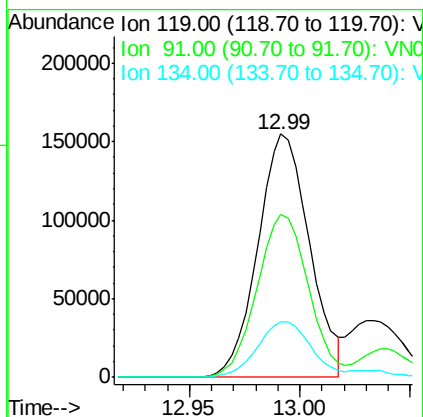
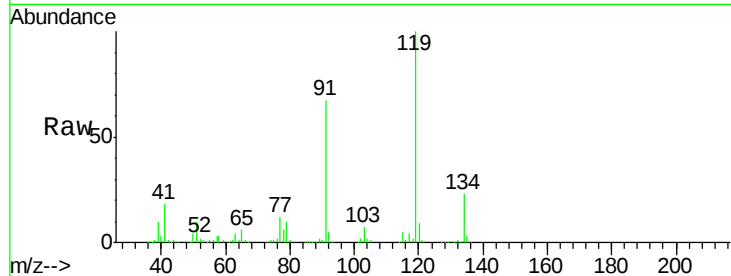
#83
 tert-Butylbenzene
 Concen: 21.149 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250965		
91	67.1		34.3	102.9
134	23.6		13.1	39.3

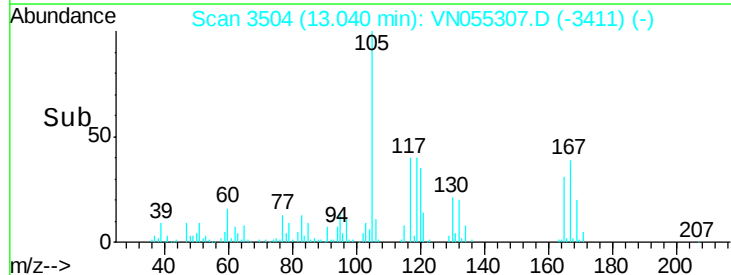
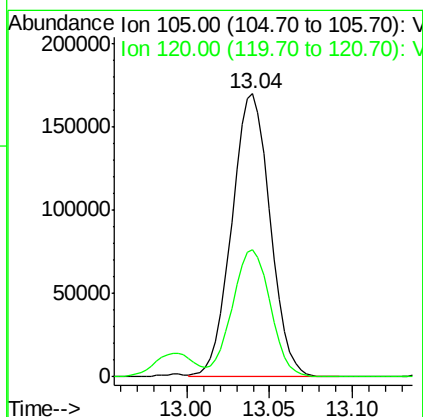
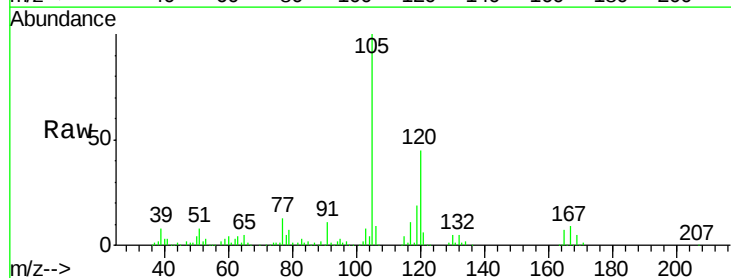
Manual Integrations
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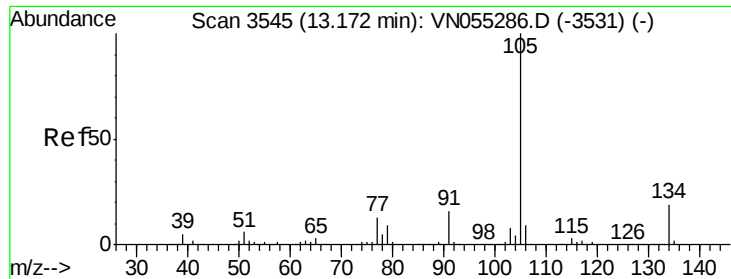
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.559 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	271696		
120	44.9		22.1	66.5





#85

sec-Butylbenzene

Concen: 18.642 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

ClientSampled :

VN0430WBSD01

Tot Ion:105 Resp: 314711

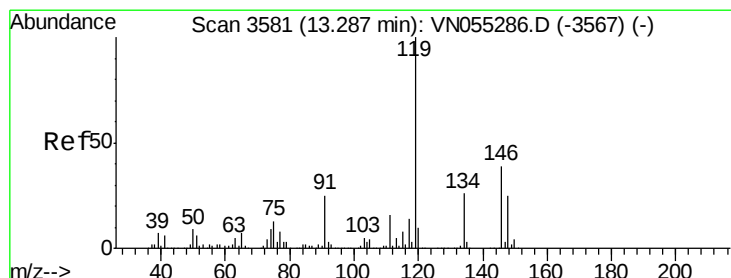
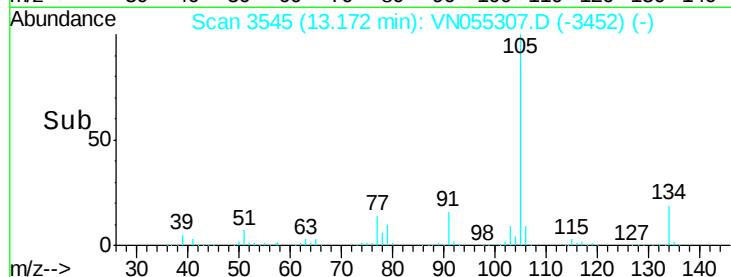
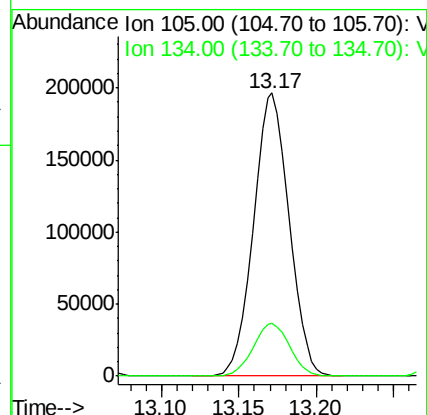
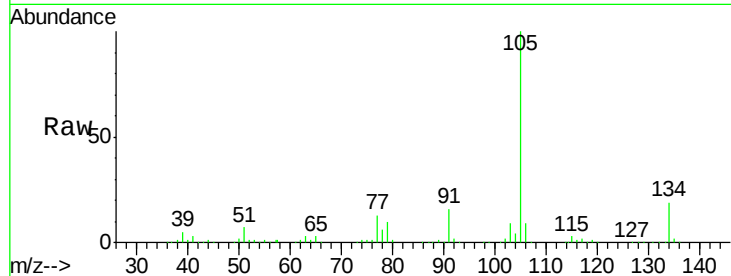
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.125 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

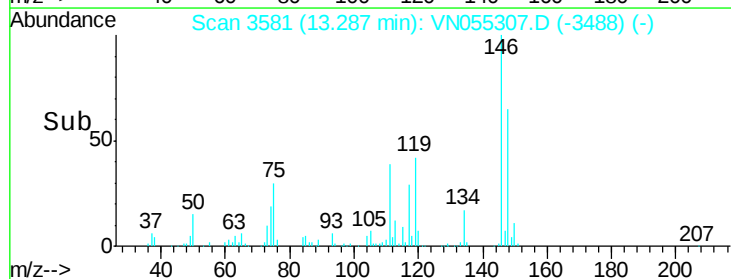
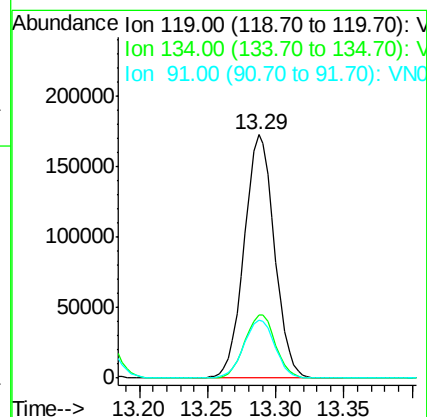
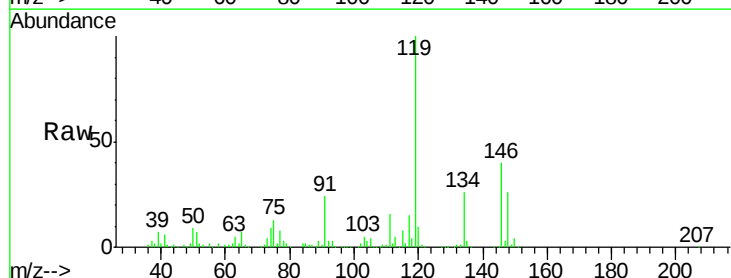
Tgt Ion:119 Resp: 265359

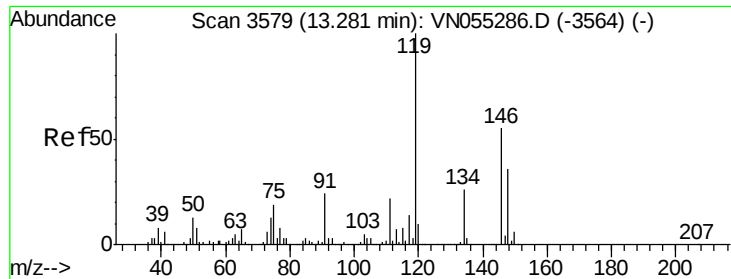
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 24.6 12.2 36.6





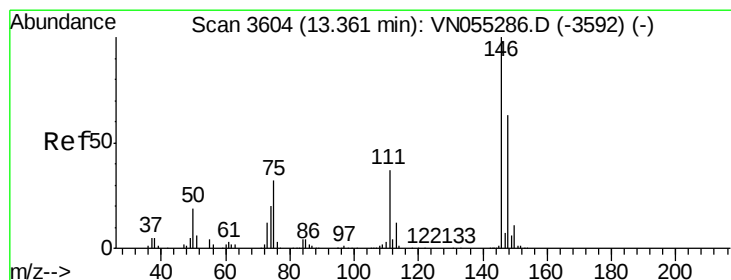
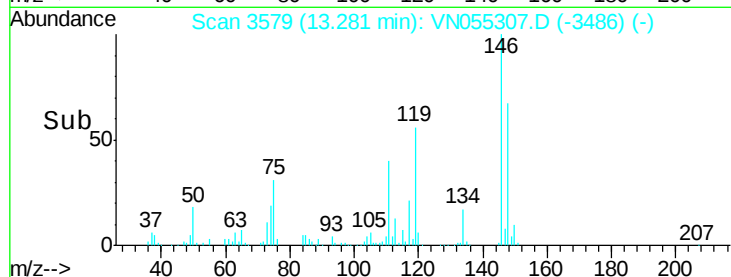
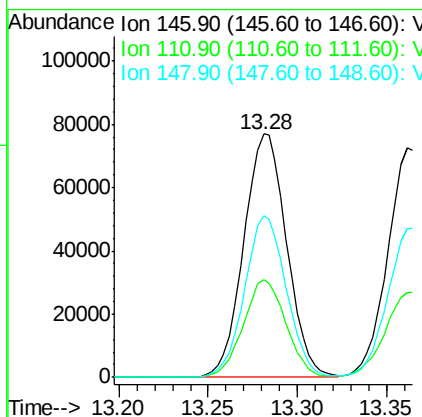
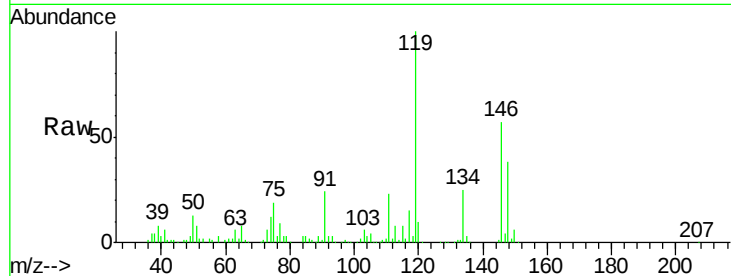
#87
 1,3-Dichlorobenzene
 Concen: 19.529 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	64.6	32.5	97.5

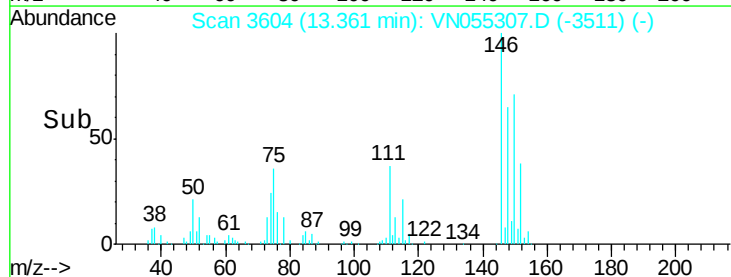
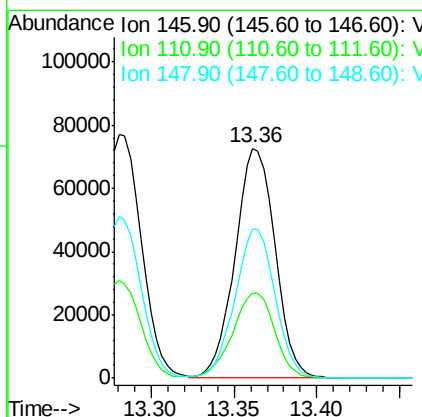
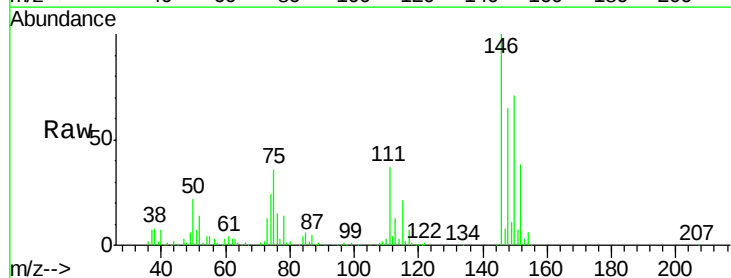
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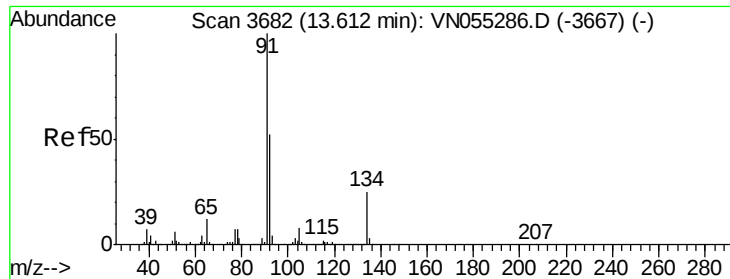
MMDadoda
 5/1/2019 3:01:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.567 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.9	32.5	97.4





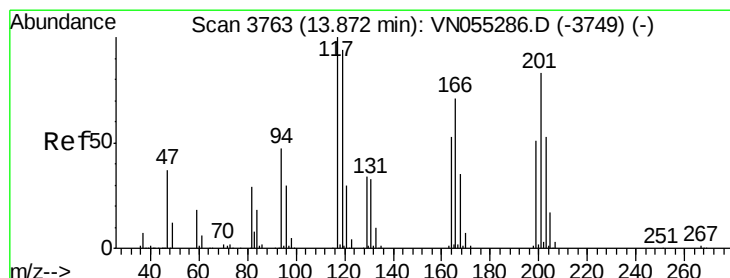
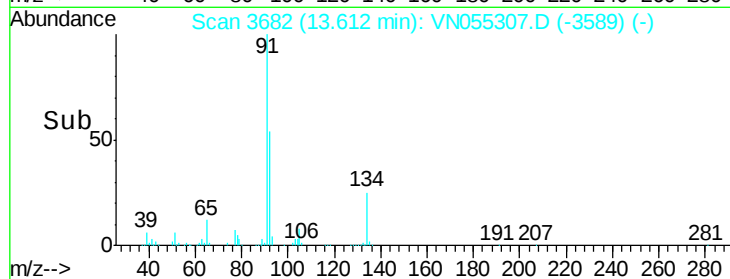
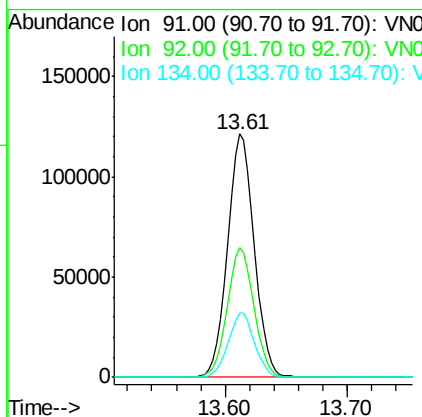
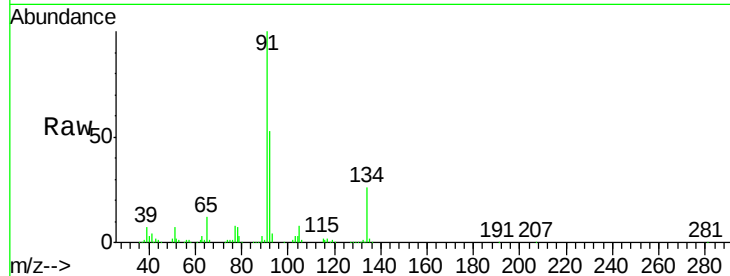
#89
n-Butylbenzene
Concen: 18.825 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	53.2	26.1	78.3	
134	26.1	12.4	37.4	

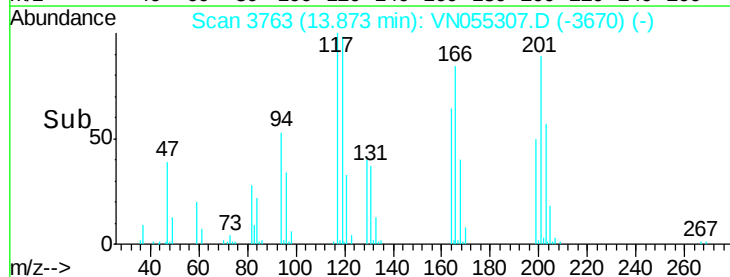
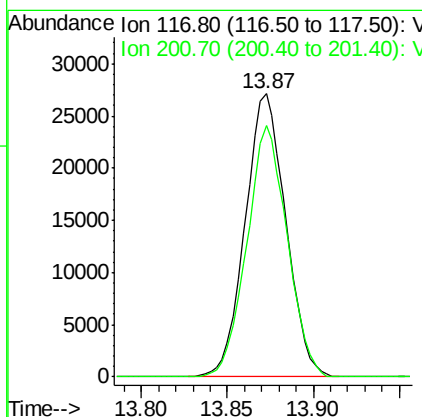
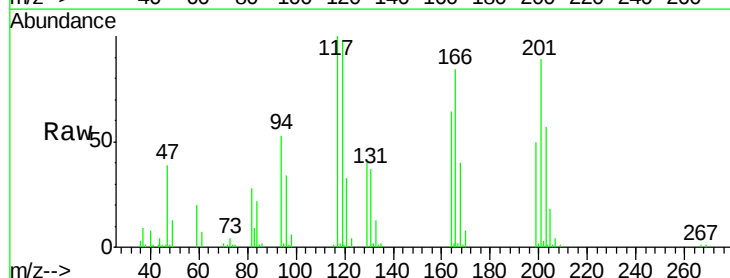
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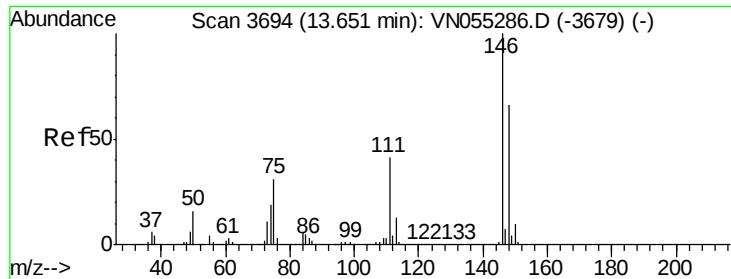
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#90
Hexachloroethane
Concen: 19.235 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055307.D
Acq: 30 Apr 2019 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	87.9	41.9	125.8	





#91

1,2-Dichlorobenzene

Concen: 19.951 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

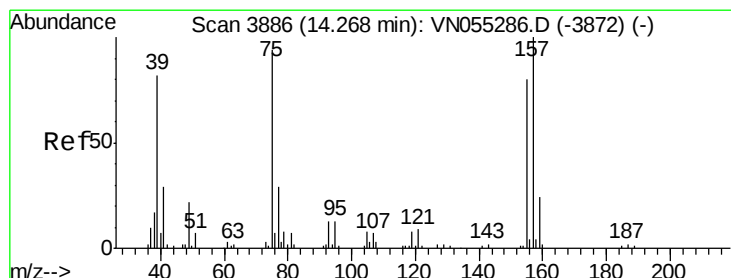
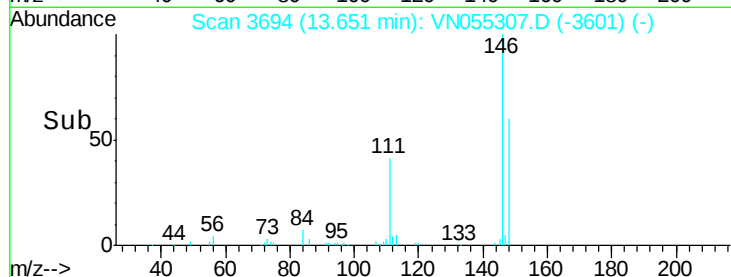
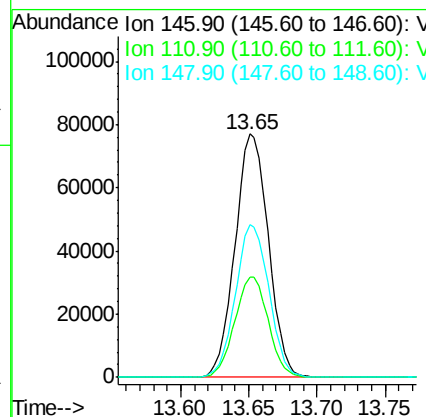
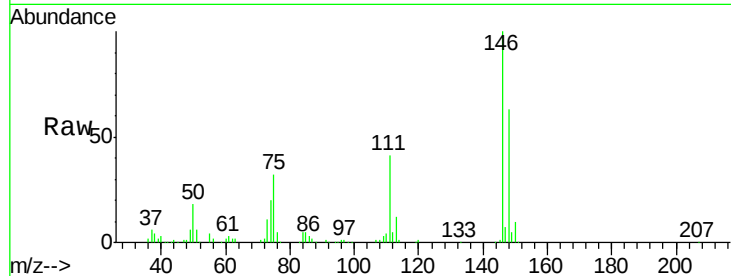
ClientSampled :

VN0430WBSD01

Tot Ion:	146	Resp:	131089
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.3	61.0
148	62.8	32.4	97.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.163 ug/l

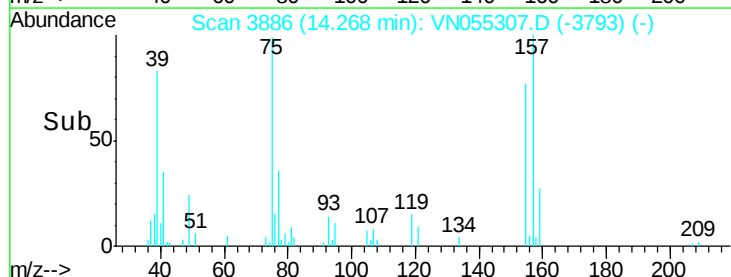
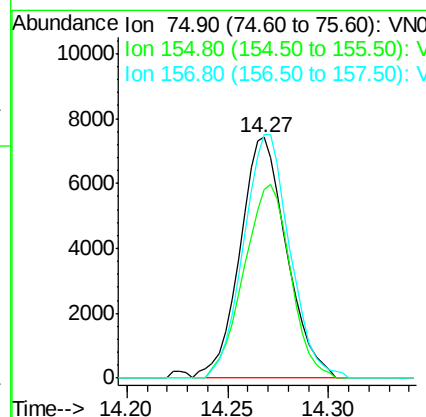
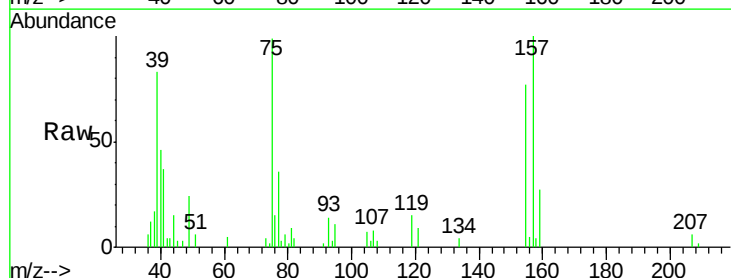
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	75	Resp:	12073
Ion Ratio	Lower	Upper	
75	100		
155	79.7	41.5	124.6
157	100.0	54.0	162.2





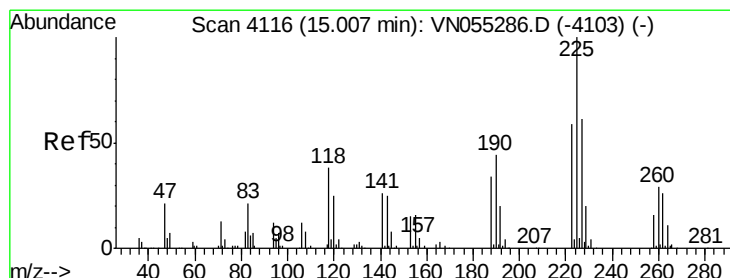
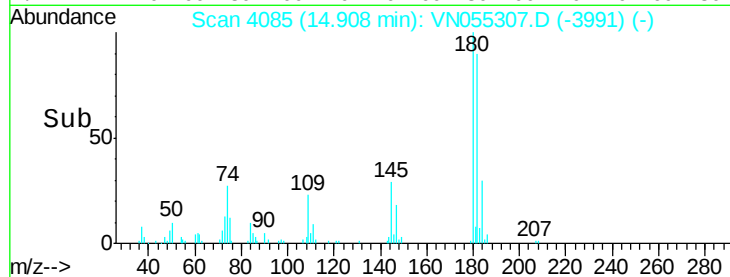
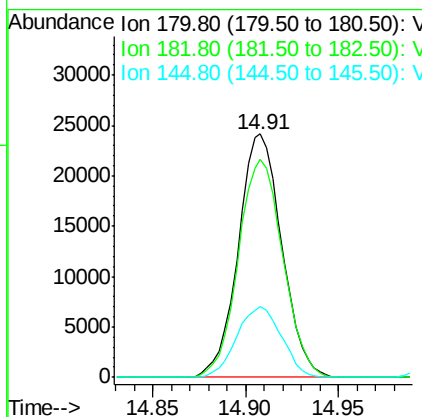
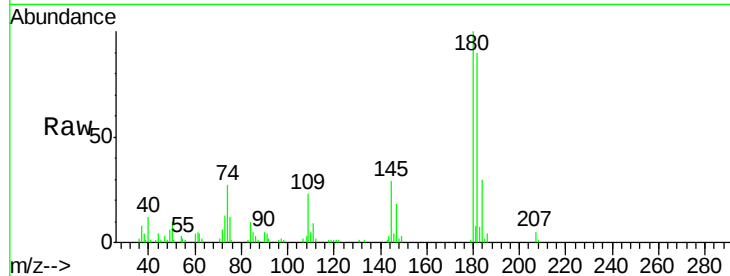
#93
 1,2,4-Trichlorobenzene
 Concen: 17.459 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tot Ion:	180	Resp:	39248
Ion Ratio	Lower	Upper	
180	100		
182	91.8	48.3	144.9
145	29.8	14.2	42.6

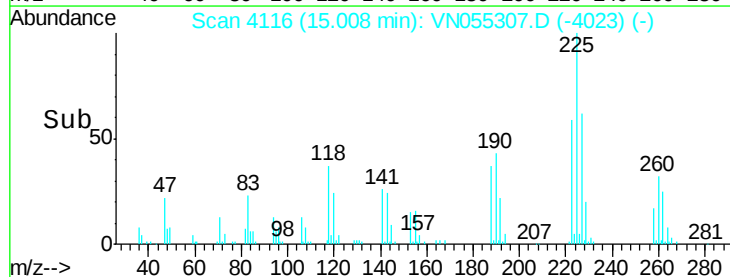
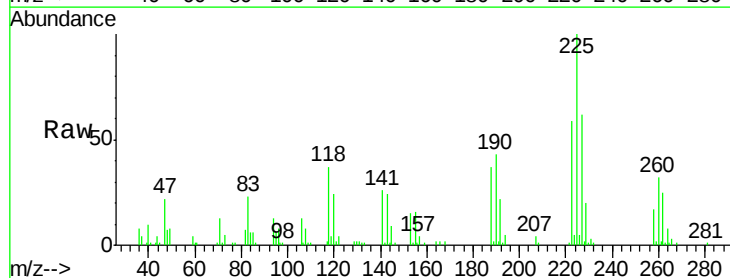
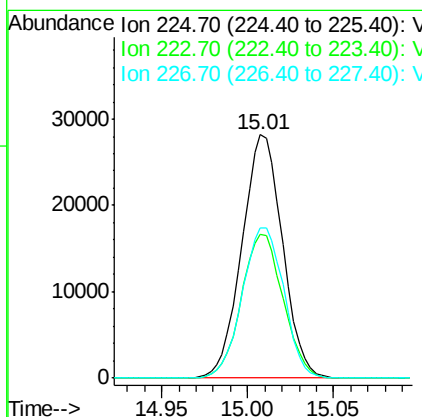
Manual Integrations
 APPROVED

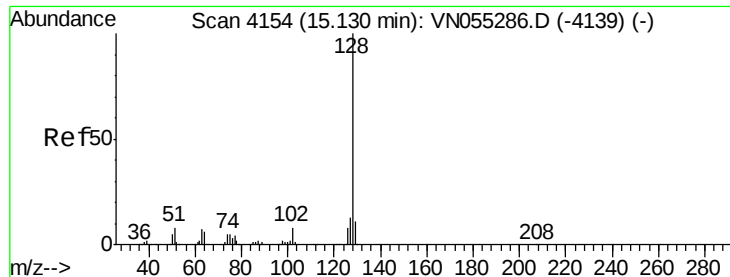
MMDadoda
 5/1/2019 3:01:21 PM



#94
 Hexachlorobutadiene
 Concen: 21.752 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055307.D
 Acq: 30 Apr 2019 14:45

Tgt Ion:	225	Resp:	46134
Ion Ratio	Lower	Upper	
225	100		
223	60.8	30.3	90.8
227	63.0	30.9	92.7





#95

Naphthalene

Concen: 17.909 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Instrument :

MSVOA_N

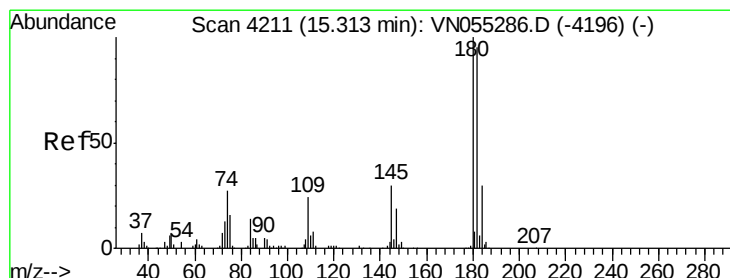
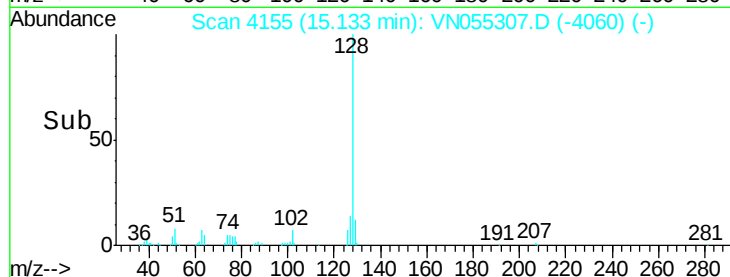
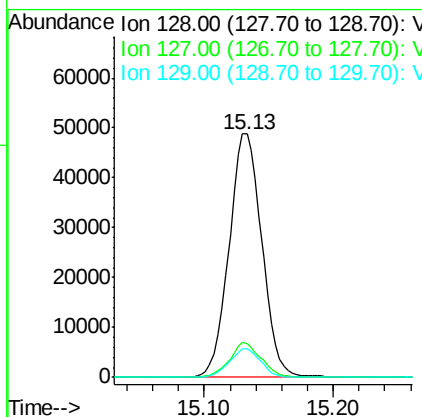
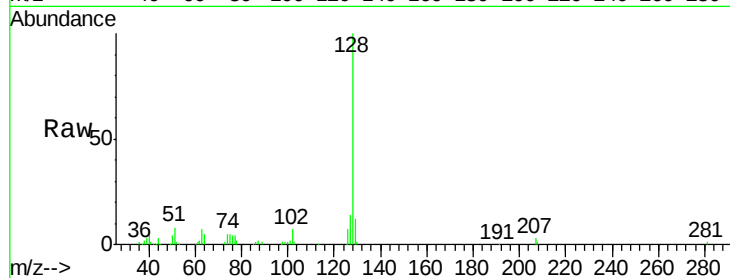
ClientSampleId :

VN0430WBSD01

Tot Ion:	128	Resp:	86020
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/1/2019 3:01:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.910 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055307.D

Acq: 30 Apr 2019 14:45

Tgt Ion:	180	Resp:	41176
Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	30.8	15.2	45.6

