

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055301.D
 Acq On : 30 Apr 2019 12:13
 Operator : JC/SP
 Sample : VN0430WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 3:01:16 PM

Quant Time: May 01 08:53:52 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	369014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	607586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241402	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.59	113	195912	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.09	98	694581	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.40	95	218210	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93964	20.783	ug/l	98
3) Chloromethane	2.06	50	110408	19.721	ug/l	98
4) Vinyl Chloride	2.19	62	87913	19.481	ug/l	98
5) Bromomethane	2.56	94	48149	20.143	ug/l	96
6) Chloroethane	2.70	64	46475	19.011	ug/l	94
7) Trichlorofluoromethane	3.02	101	126194	19.666	ug/l	98
8) Diethyl Ether	3.41	74	44979	20.035	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75830	19.844	ug/l	97
10) Methyl Iodide	3.96	142	103709	19.285	ug/l #	94
11) Tert butyl alcohol	4.78	59	28747	104.009	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	70997	19.477	ug/l	97
13) Acrolein	3.61	56	19609	90.845	ug/l	98
14) Allyl chloride	4.33	41	145488	19.271	ug/l	99
15) Acrylonitrile	4.99	53	161912	104.220	ug/l	99
16) Acetone	3.82	43	156171	103.823	ug/l	99
17) Carbon Disulfide	4.06	76	183374	19.276	ug/l	98
18) Methyl Acetate	4.32	43	84239	22.418	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	209783	20.471	ug/l	99
20) Methylene Chloride	4.55	84	88010	19.169	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	75302	19.505	ug/l	93
22) Diisopropyl ether	5.95	45	304110	20.273	ug/l	97
23) Vinyl Acetate	5.90	43	1012572	102.995	ug/l	100
24) 1,1-Dichloroethane	5.85	63	157905	19.757	ug/l	99
25) 2-Butanone	6.84	43	204691	106.406	ug/l	98
26) 2,2-Dichloropropane	6.82	77	107382	19.457	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	89693	20.430	ug/l	100
28) Bromochloromethane	7.20	49	82183	20.399	ug/l	97
29) Tetrahydrofuran	7.21	42	132014	107.173	ug/l	99
30) Chloroform	7.37	83	153051	20.201	ug/l	99
31) Cyclohexane	7.65	56	143827	18.941	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	122494	19.921	ug/l	99
36) 1,1-Dichloropropene	7.79	75	106911	18.370	ug/l	100
37) Ethyl Acetate	6.93	43	87774	19.679	ug/l	99
38) Carbon Tetrachloride	7.77	117	100310	17.868	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	113748	18.383	ug/l	98
40) Benzene	8.04	78	327198	19.072	ug/l	97
41) Methacrylonitrile	7.18	41	47217	20.010	ug/l	92
42) 1,2-Dichloroethane	8.12	62	118349	19.477	ug/l	99
43) Isopropyl Acetate	8.16	43	144052	20.096	ug/l #	88
44) Trichloroethene	8.84	130	82995	18.976	ug/l	97
45) 1,2-Dichloropropane	9.12	63	94003	18.998	ug/l	97
46) Dibromomethane	9.21	93	53448	19.761	ug/l	100
47) Bromodichloromethane	9.40	83	112160	19.330	ug/l	99
48) Methyl methacrylate	9.20	41	65693	18.643	ug/l	92
49) 1,4-Dioxane	9.20	88	16159	443.601	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	417016	103.332	ug/l	99
52) Toluene	10.16	92	192152	19.520	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	98743	19.603	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	121489	19.345	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71961	19.686	ug/l	96
56) Ethyl methacrylate	10.43	69	88842	19.746	ug/l	99
57) 1,3-Dichloropropane	10.71	76	126755	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	132689	102.717	ug/l	99
59) 2-Hexanone	10.75	43	260687	103.239	ug/l	100
60) Dibromochloromethane	10.90	129	73759	19.743	ug/l	97
61) 1,2-Dibromoethane	11.00	107	68116	20.161	ug/l	100
64) Tetrachloroethene	10.63	164	78665	18.709	ug/l	93
65) Chlorobenzene	11.43	112	194888	19.387	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74535	18.936	ug/l	98
67) Ethyl Benzene	11.51	91	357518	19.695	ug/l	98
68) m/p-Xylenes	11.62	106	255880	39.491	ug/l	99
69) o-Xylene	11.95	106	127078	19.787	ug/l	99
70) Styrene	11.96	104	206915	20.984	ug/l	99
71) Bromoform	12.13	173	44563	20.403	ug/l #	95
73) Isopropylbenzene	12.25	105	343711	21.302	ug/l	100
74) N-amyl acetate	12.07	43	97874	20.409	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	89051	22.290	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	69902m	18.541	ug/l	
77) Bromobenzene	12.53	156	80105	21.201	ug/l	99
78) n-propylbenzene	12.59	91	364756	19.003	ug/l	99
79) 2-Chlorotoluene	12.67	91	227884	20.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	274199	18.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18153	18.410	ug/l #	83
82) 4-Chlorotoluene	12.77	91	212428	19.034	ug/l	100
83) tert-Butylbenzene	12.99	119	235871	21.063	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	256080	19.545	ug/l	100
85) sec-Butylbenzene	13.17	105	301768	18.952	ug/l	99
86) p-Isopropyltoluene	13.29	119	246921	18.868	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	122731	19.628	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115484	19.612	ug/l	99
89) n-Butylbenzene	13.61	91	171836	18.478	ug/l	99
90) Hexachloroethane	13.87	117	44741	20.667	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	124519	20.092	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11023	22.422	ug/l	94

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	34306	16.422	ug/l	100
94) Hexachlorobutadiene	15.01	225	44419	22.266	ug/l	99
95) Naphthalene	15.13	128	72684	16.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36611	17.033	ug/l	98

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

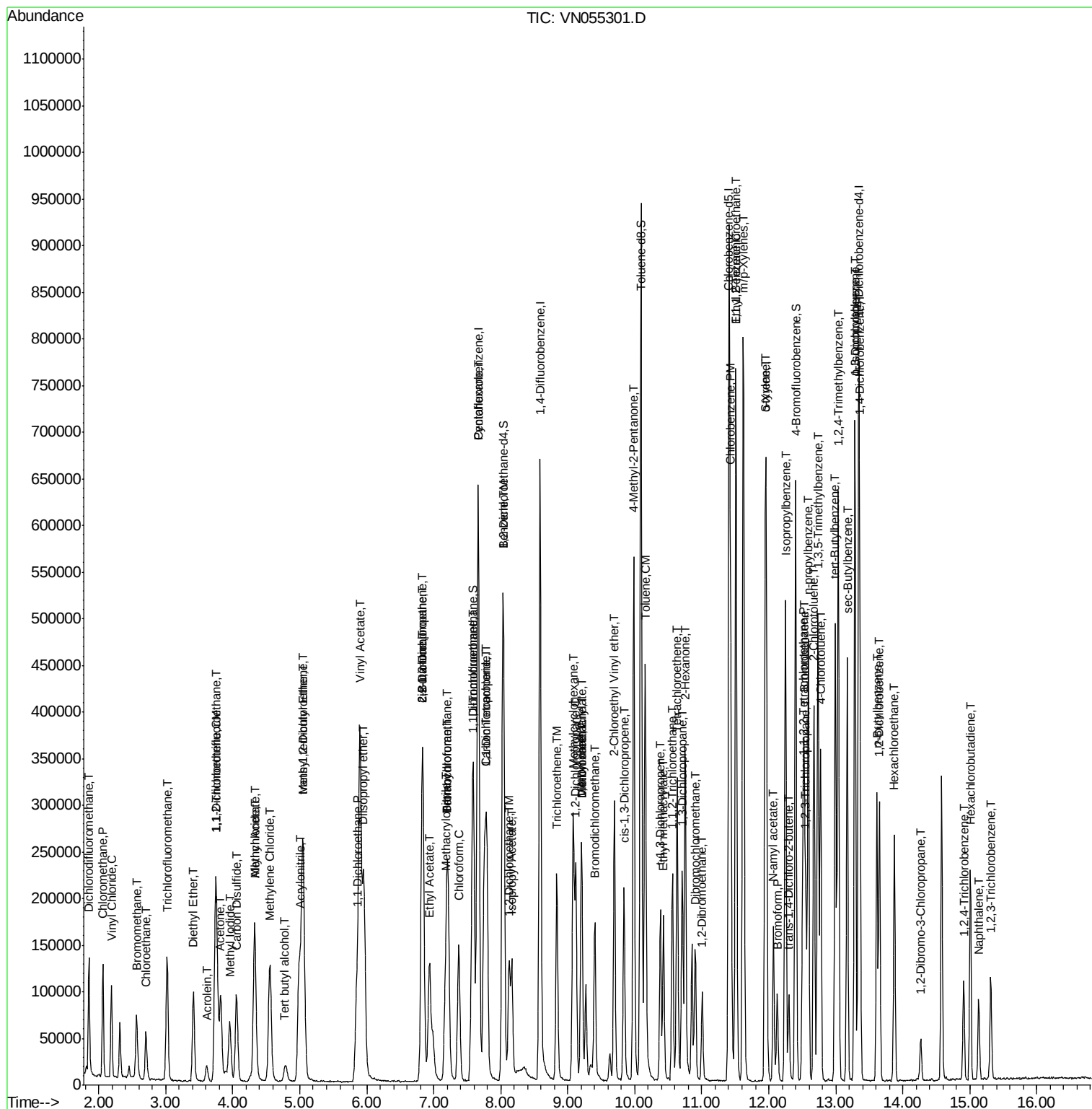
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Data File : VN055301.D
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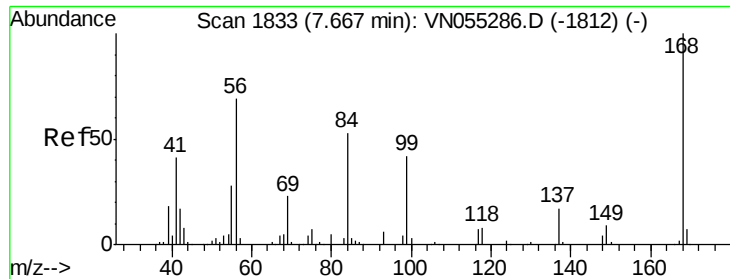
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Manual Integrations
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MMDadoda
5/1/2019 3:01:16 PM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion:168 Resp: 369014

Ion Ratio Lower Upper

168 100

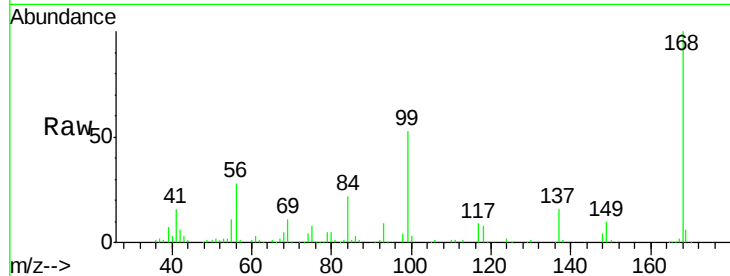
99 51.6 43.6 65.4

Manual Integrations

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5/1/2019 3:01:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

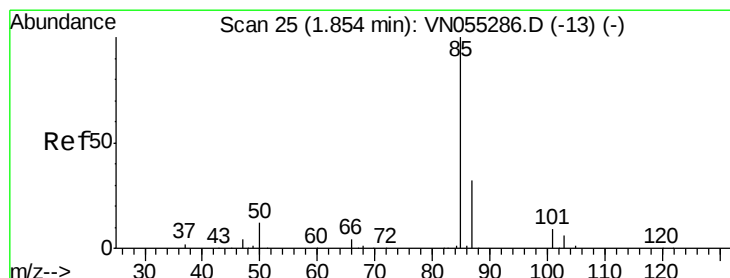
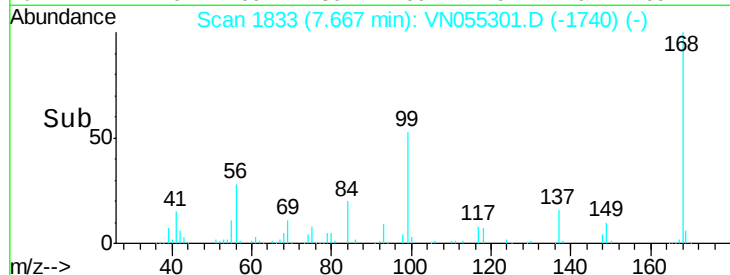
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.783 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055301.D

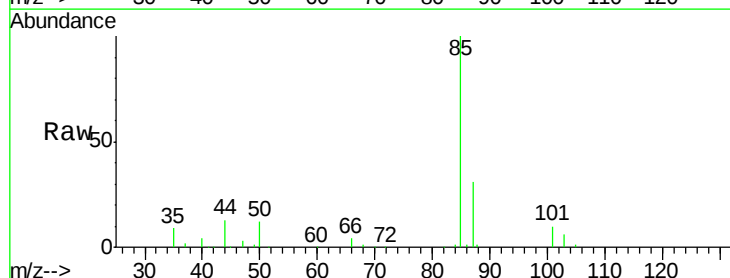
Acq: 30 Apr 2019 12:13

Tgt Ion: 85 Resp: 93964

Ion Ratio Lower Upper

85 100

87 31.0 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

60000

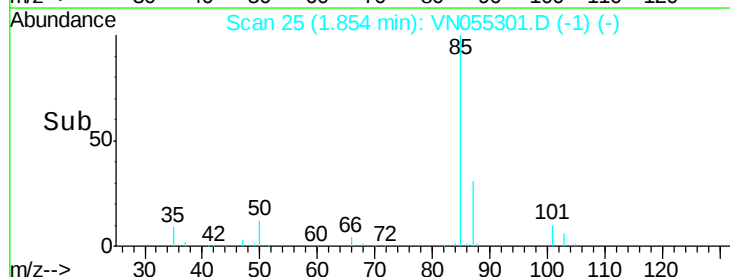
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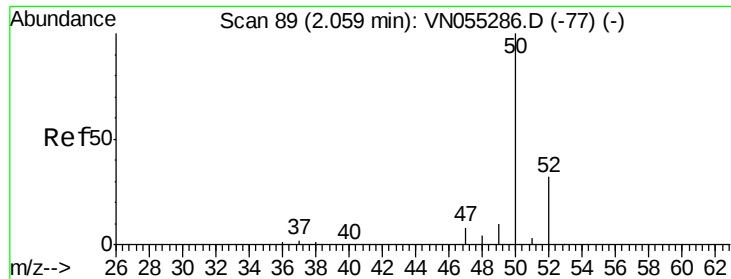
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.721 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 50 Resp: 110408

Ion Ratio Lower Upper

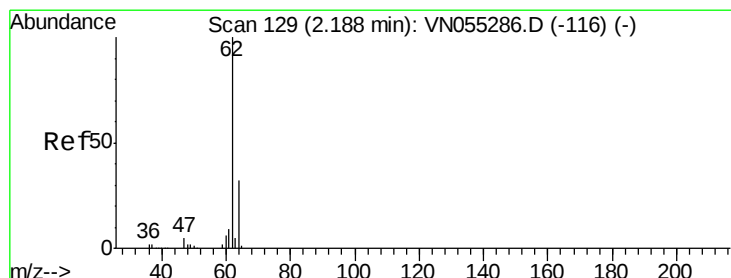
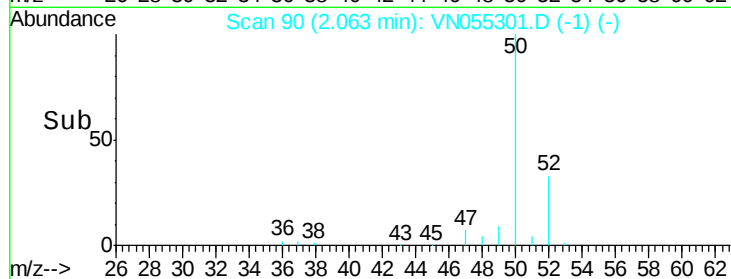
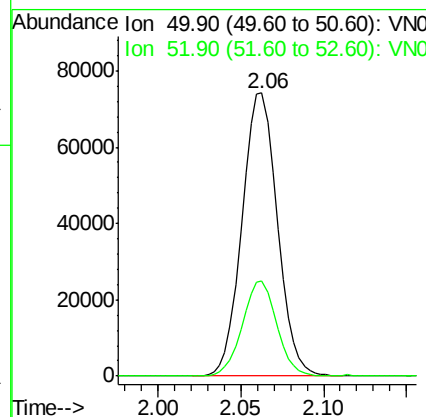
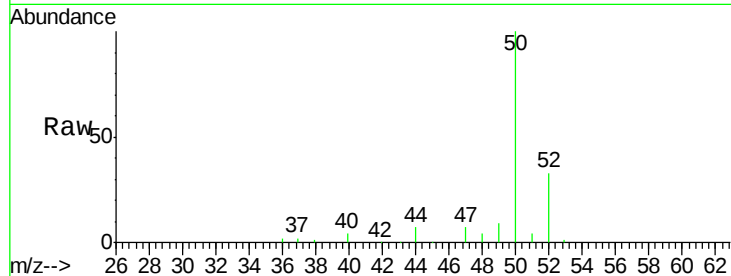
50 100

52 33.5 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.481 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055301.D

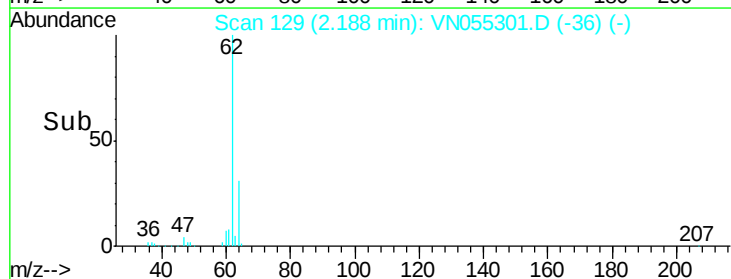
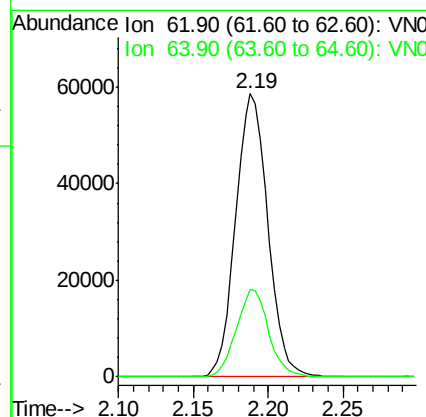
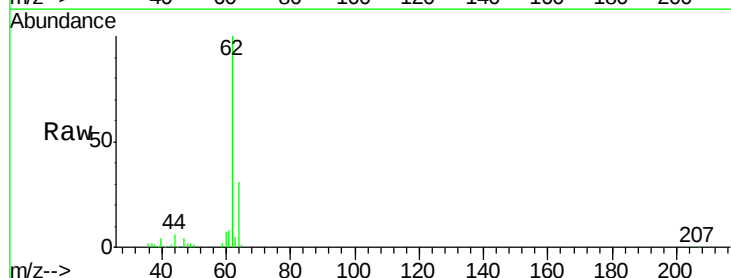
Acq: 30 Apr 2019 12:13

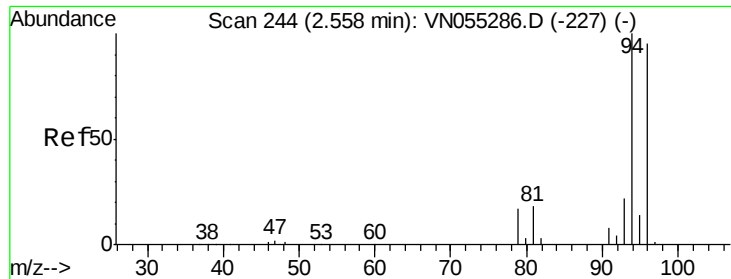
Tgt Ion: 62 Resp: 87913

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 20.143 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBS01

Tot Ion: 94 Resp: 48149

Ion Ratio Lower Upper

94 100

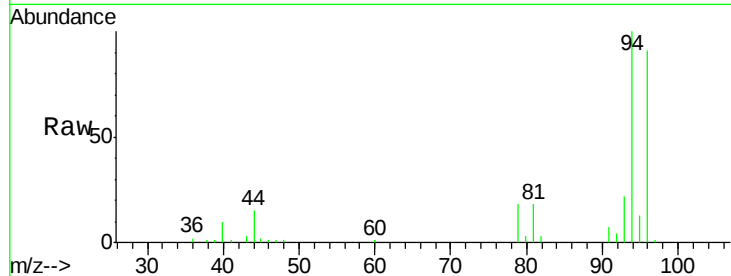
96 90.8 76.0 114.0

Manual Integrations

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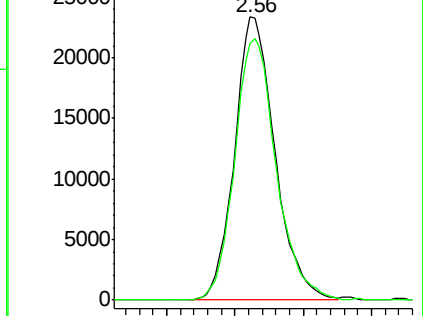
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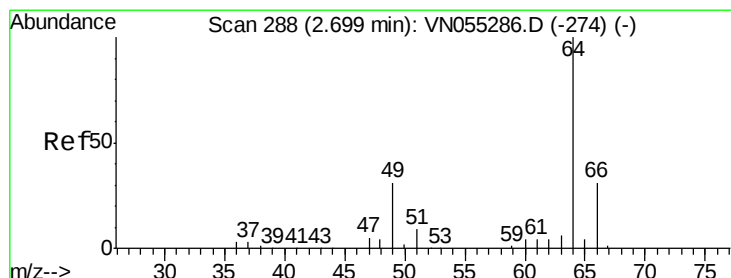
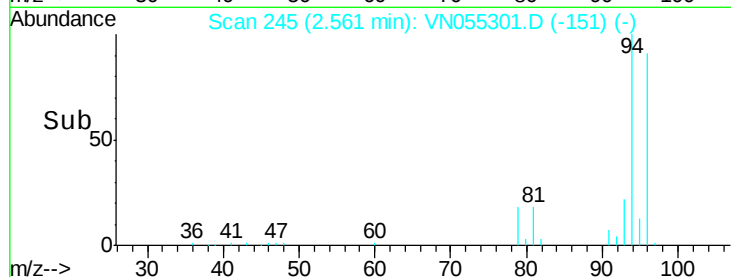


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 19.011 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055301.D

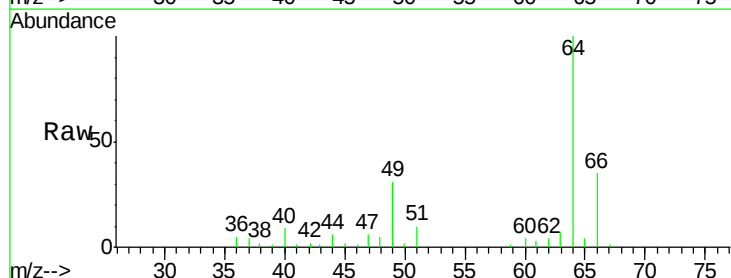
Acq: 30 Apr 2019 12:13

Tgt Ion: 64 Resp: 46475

Ion Ratio Lower Upper

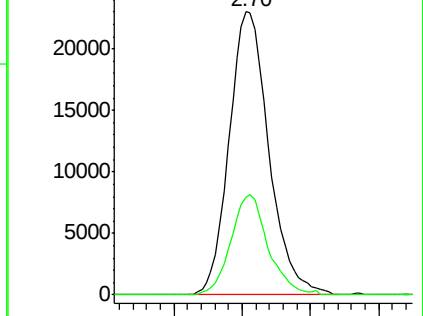
64 100

66 34.7 25.0 37.4

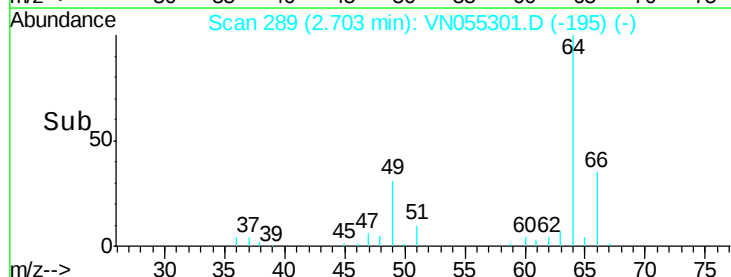


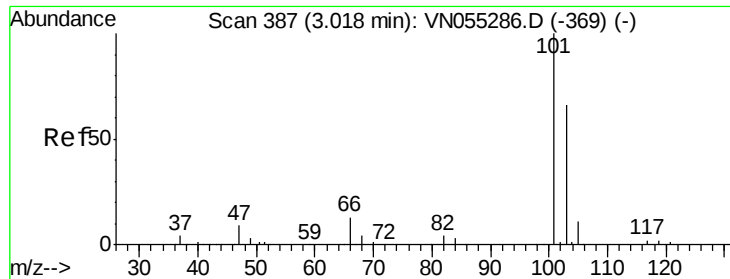
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

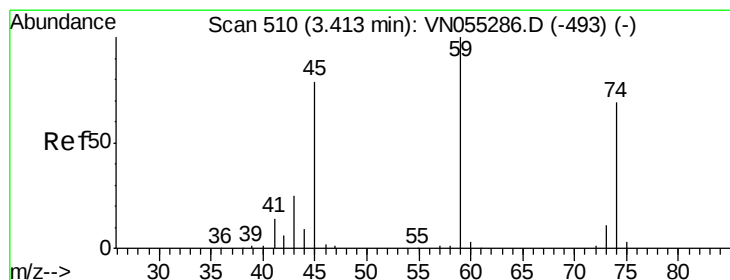
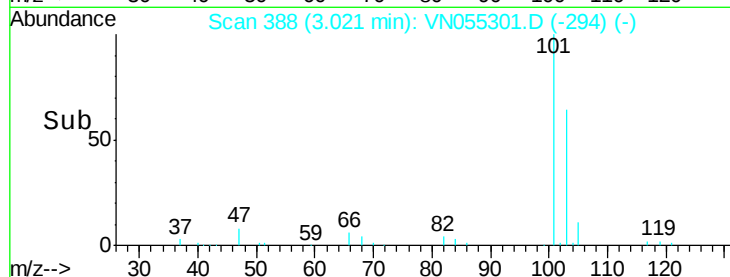
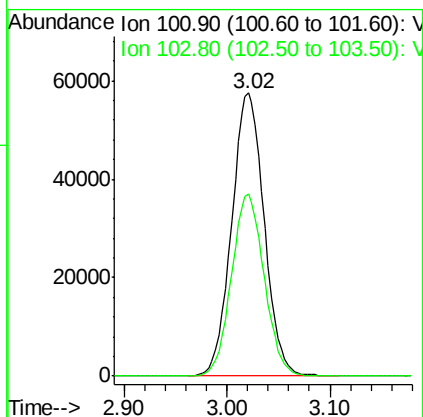
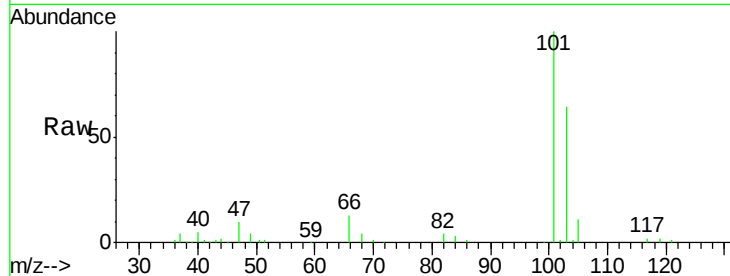
Trichlorofluoromethane
 Concen: 19.666 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
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 VN0430WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	79.0

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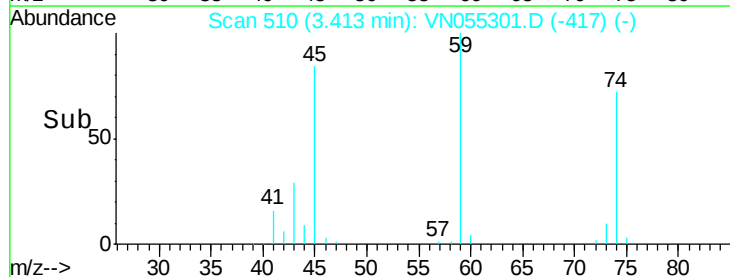
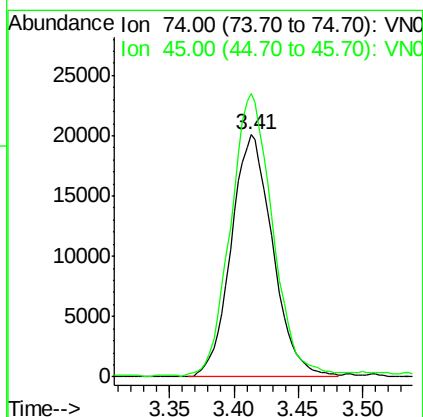
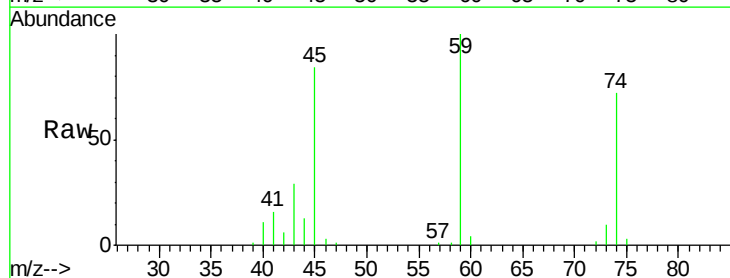
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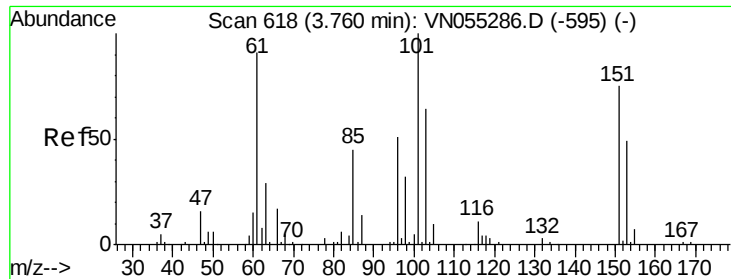


#8

Diethyl Ether
 Concen: 20.035 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.9	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.844 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

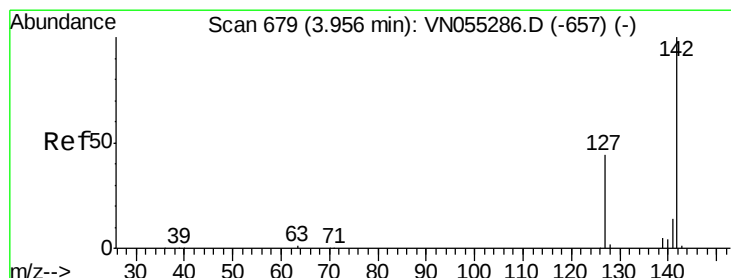
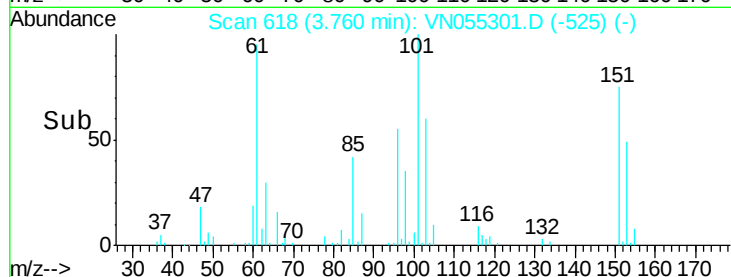
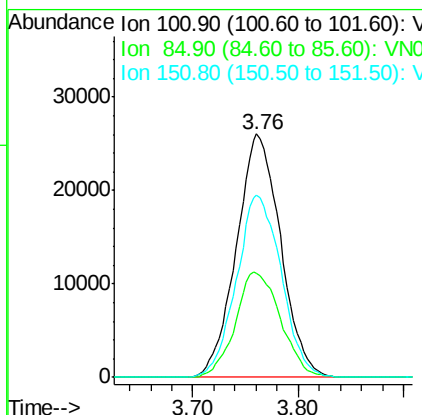
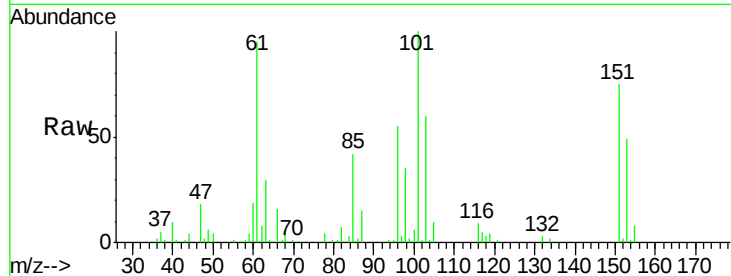
ClientSampled :

VN0430WBS01

Tot Ion:	101	Resp:	75830
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	75.9	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.285 ug/l

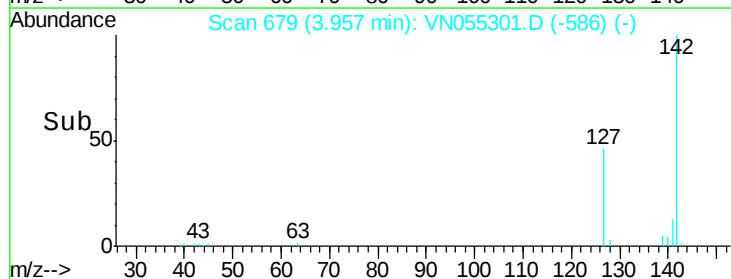
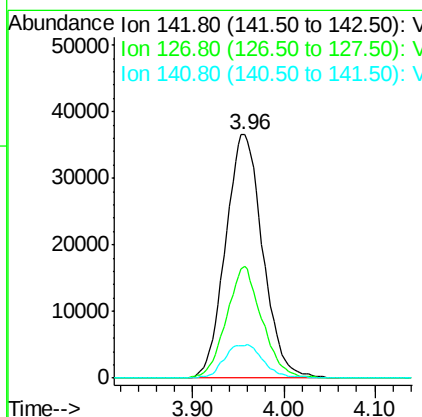
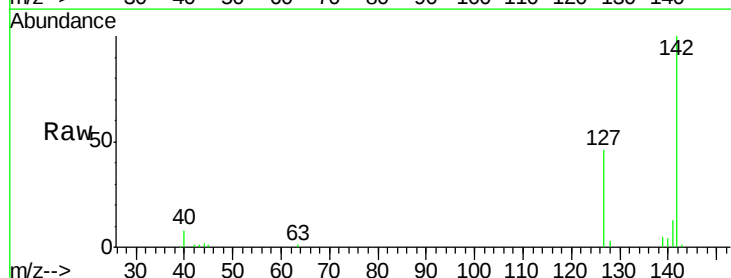
RT: 3.96 min Scan# 679

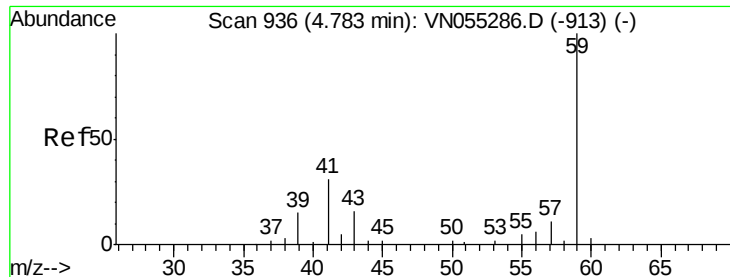
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	142	Resp:	103709
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.4	51.6
141	6.8	11.5	17.3#





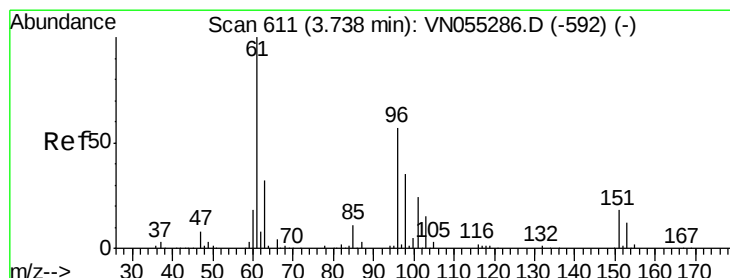
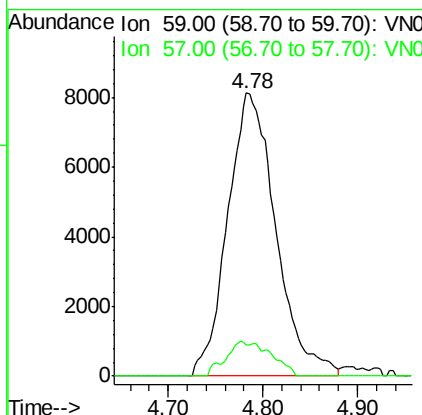
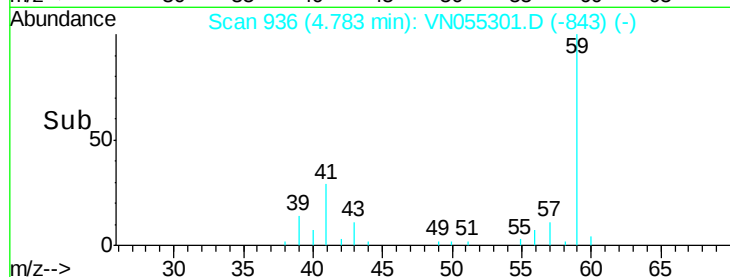
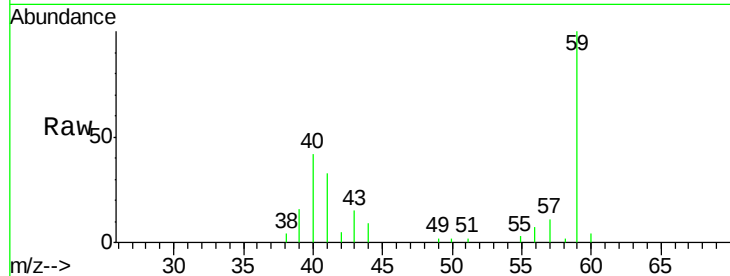
#11
Tert butyl alcohol
Concen: 104.009 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0430WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.2	12.2#

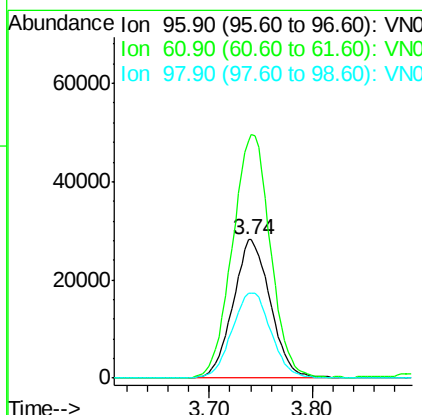
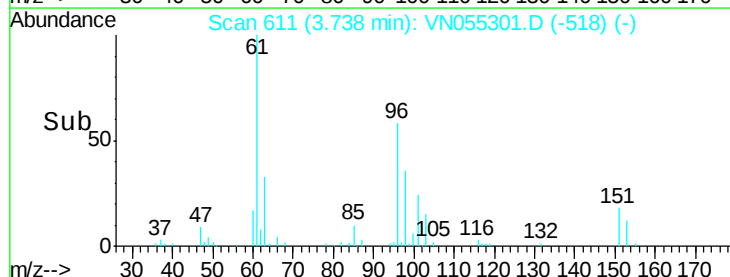
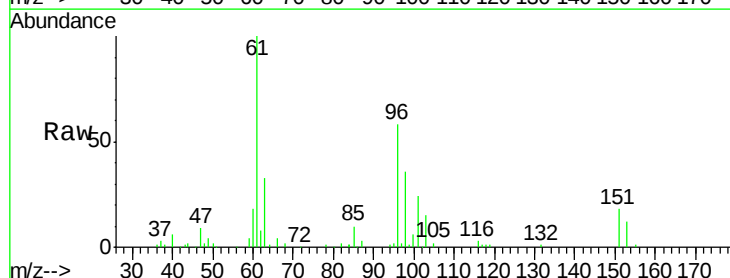
Manual Integrations
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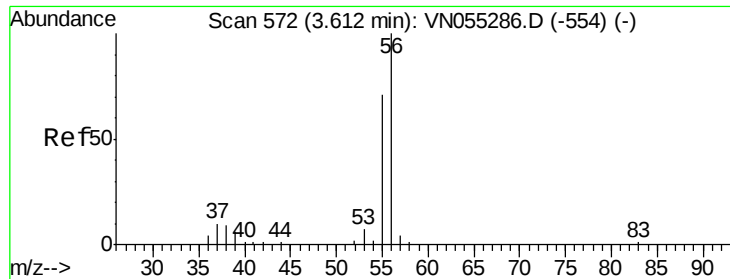
MMDadoda
5/1/2019 3:01:16 PM



#12
1,1-Dichloroethene
Concen: 19.477 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	140.9	211.3
98	61.0	50.0	75.0





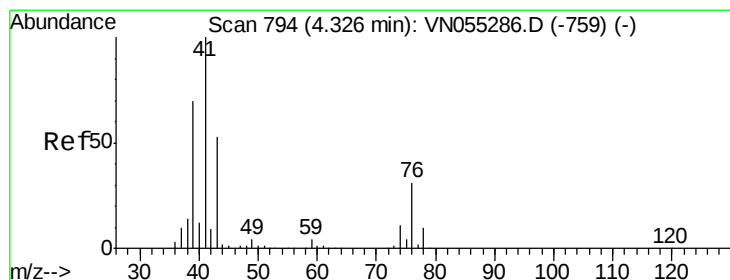
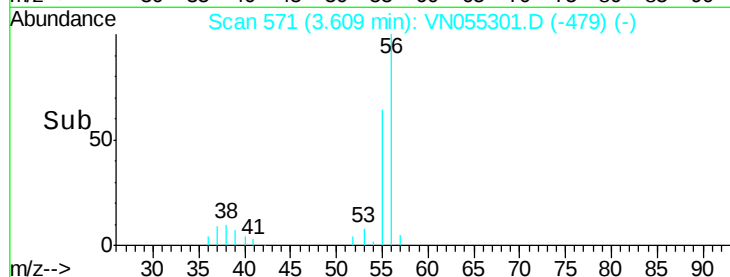
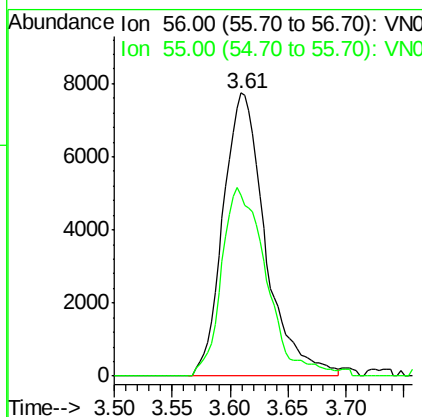
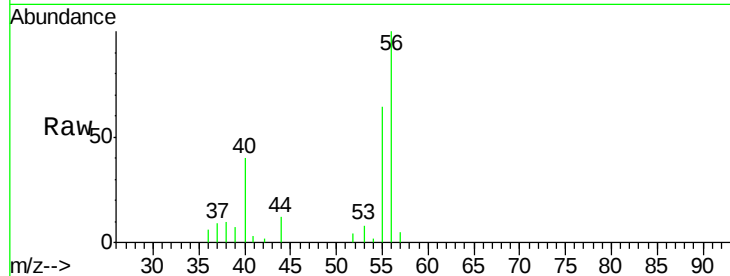
#13
 Acrolein
 Concen: 90.845 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBS01

Tot Ion: 56 Resp: 19609
 Ion Ratio Lower Upper
 56 100
 55 70.4 57.4 86.2

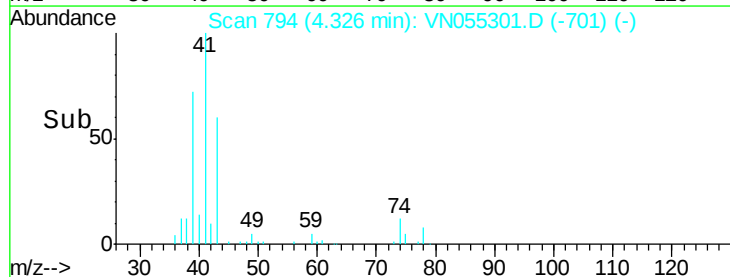
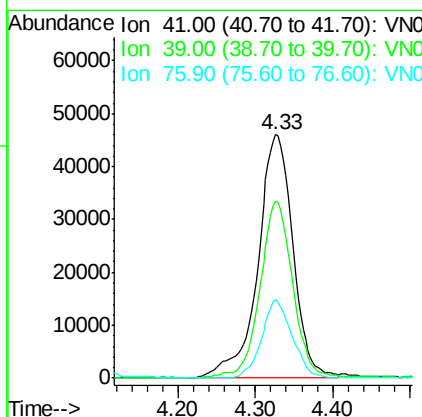
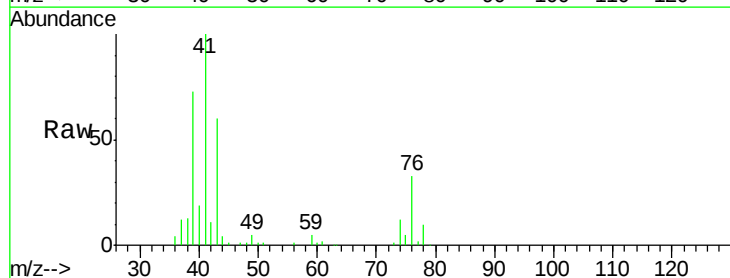
Manual Integrations
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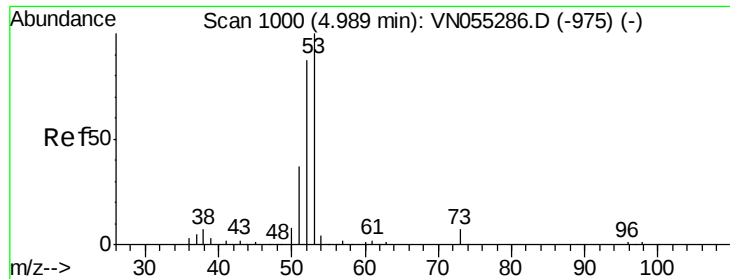
MMDadoda
 5/1/2019 3:01:16 PM



#14
 Allyl chloride
 Concen: 19.271 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 41 Resp: 145488
 Ion Ratio Lower Upper
 41 100
 39 65.5 53.0 79.6
 76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 104.220 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

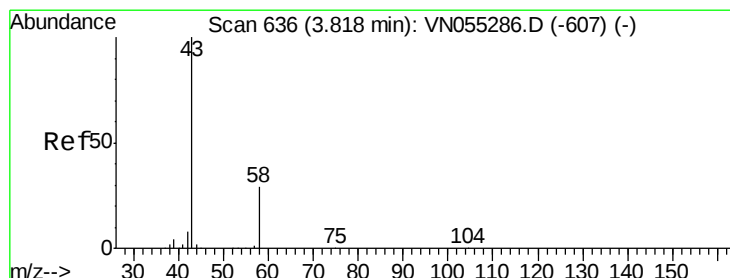
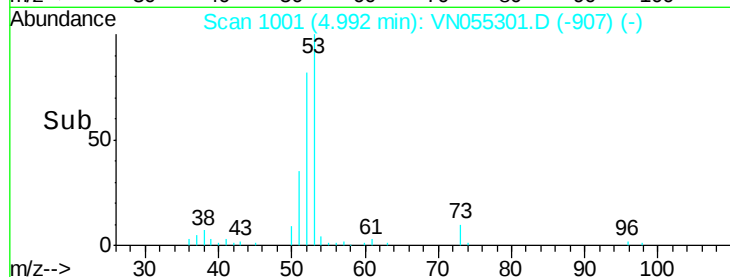
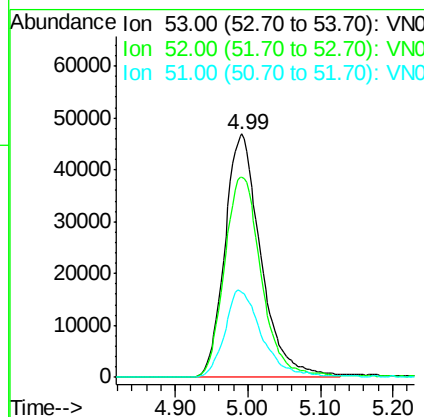
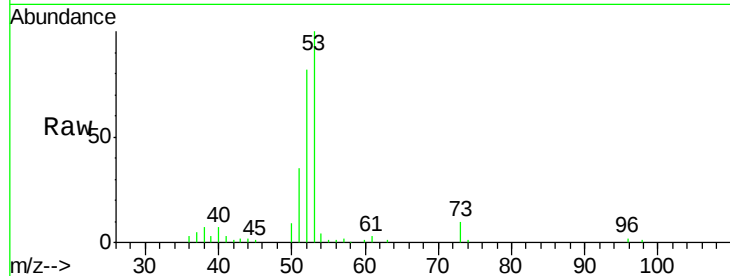
ClientSampled :

VN0430WBS01

Tot Ion:	53	Resp:	161912
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.5	99.7
51	36.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 103.823 ug/l

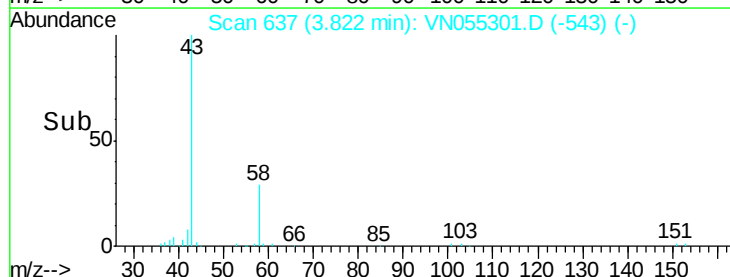
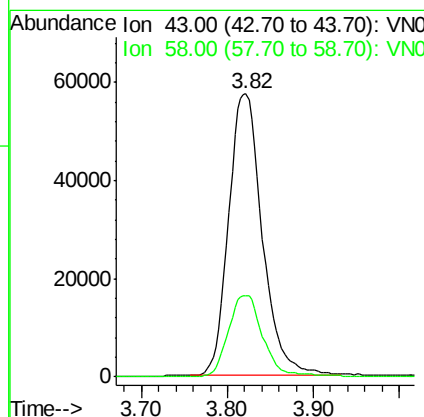
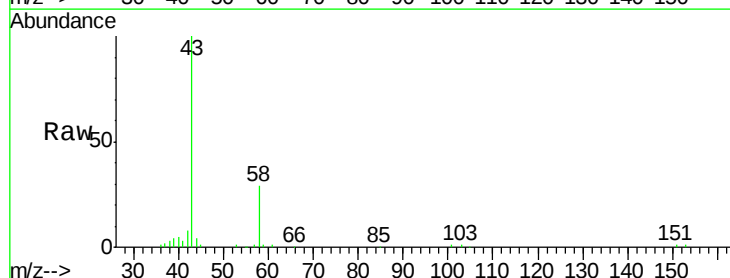
RT: 3.82 min Scan# 637

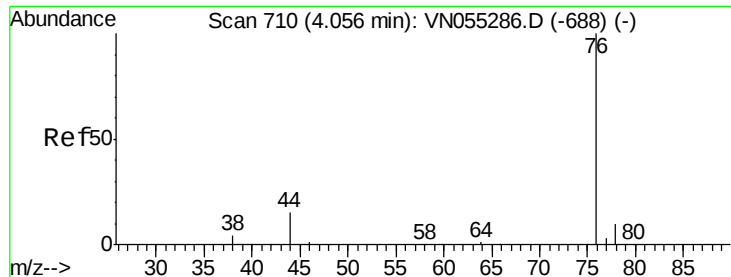
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	43	Resp:	156171
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.6	35.4





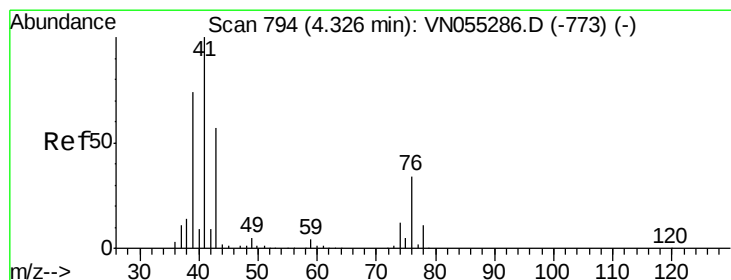
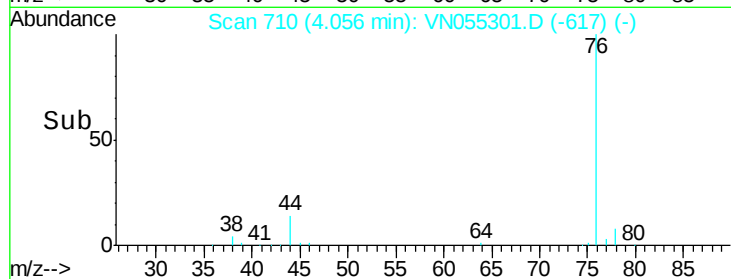
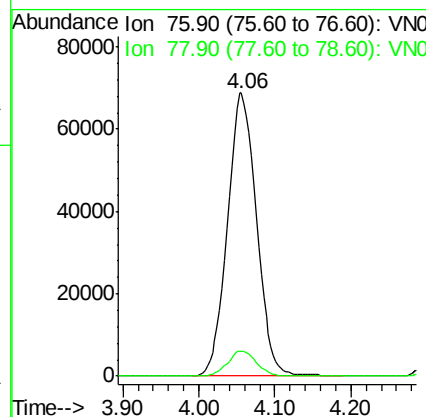
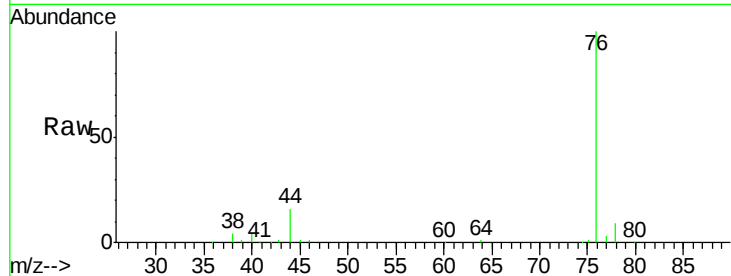
#17
Carbon Disulfide
Concen: 19.276 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	76	Resp	183374
Ion Ratio	Lower	Upper	
76	100		
78	8.8	7.6	11.4

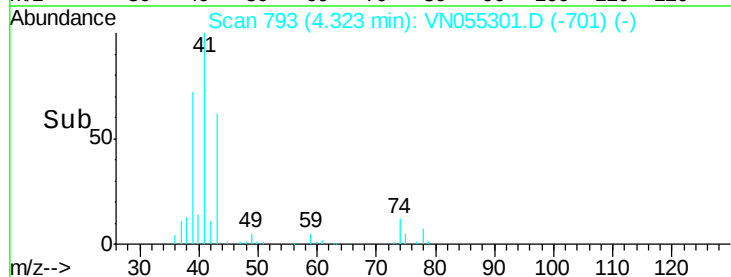
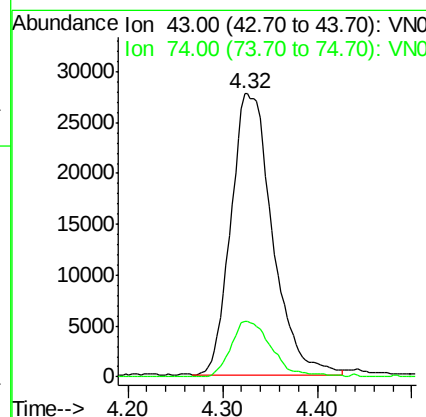
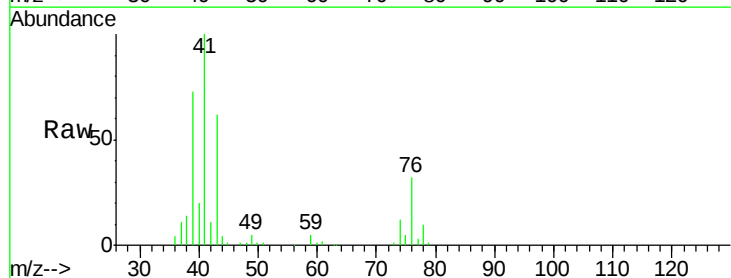
Manual Integrations
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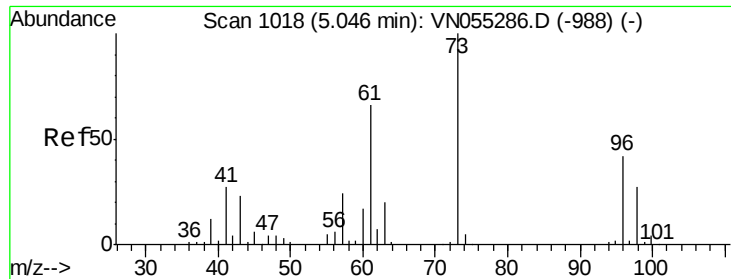
MMDadoda
5/1/2019 3:01:16 PM



#18
Methyl Acetate
Concen: 22.418 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	43	Resp	84239
Ion Ratio	Lower	Upper	
43	100		
74	19.0	15.8	23.8





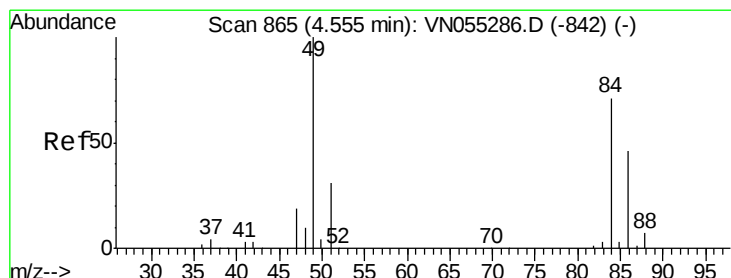
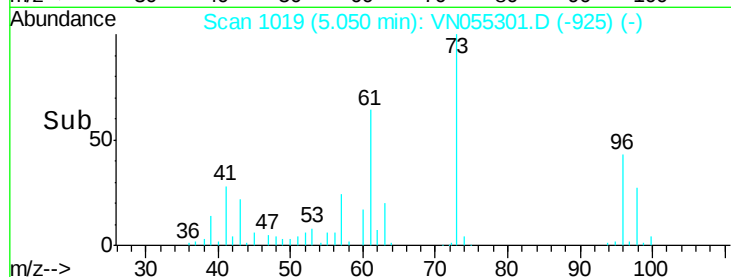
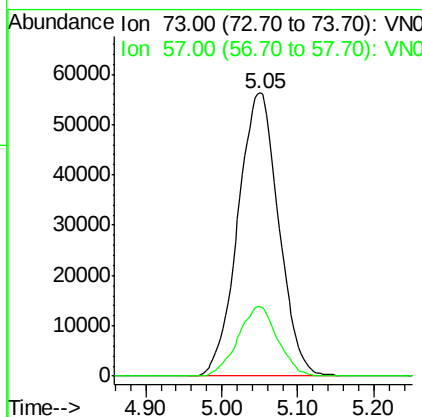
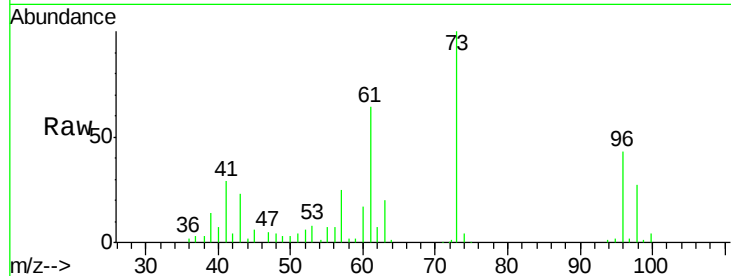
#19
Methvl tert-butvl Ether
Concen: 20.471 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion: 73 Resp: 209783
Ion Ratio Lower Upper
73 100
57 24.6 19.1 28.7

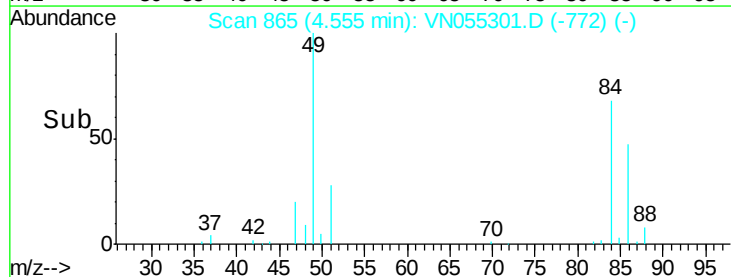
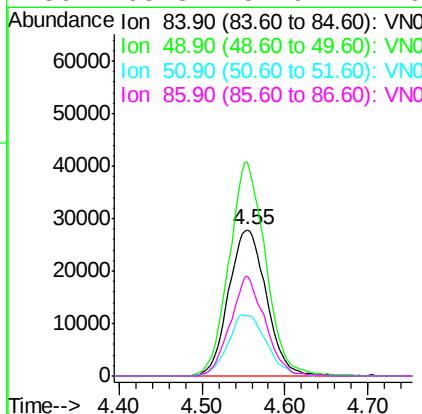
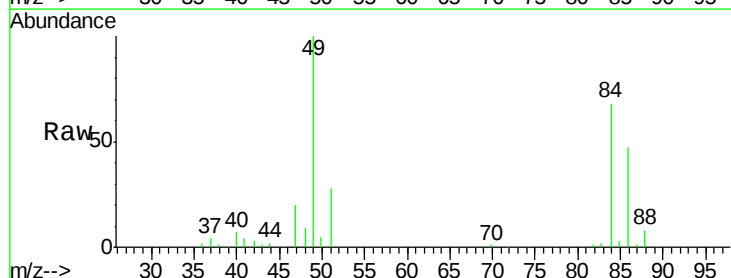
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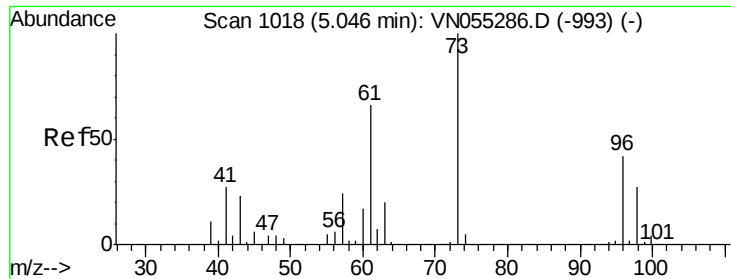
MMDadoda
5/1/2019 3:01:16 PM



#20
Methylene Chloride
Concen: 19.169 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 84 Resp: 88010
Ion Ratio Lower Upper
84 100
49 146.1 112.4 168.6
51 41.2 34.6 51.8
86 68.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.505 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

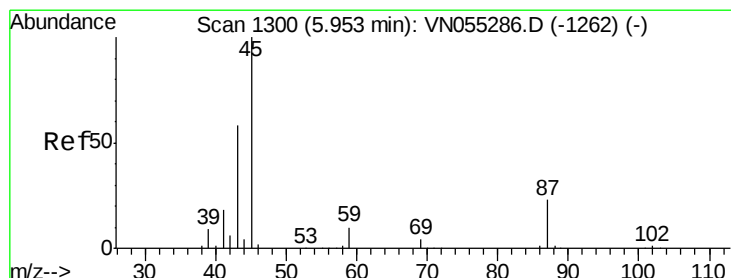
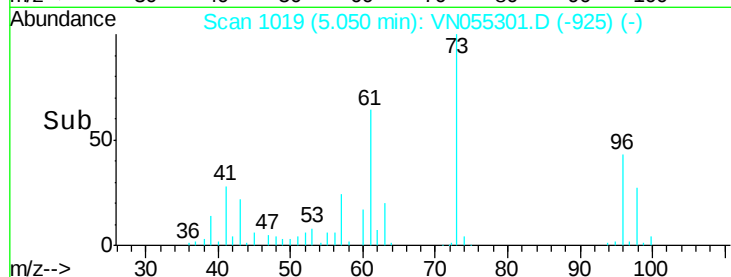
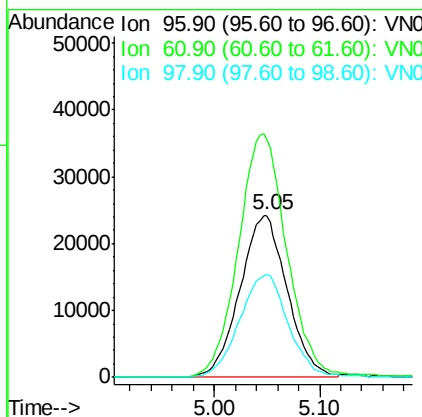
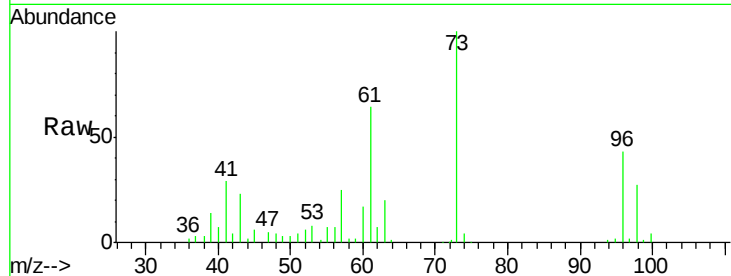
ClientSampled :

VN0430WBS01

Tot Ion:	96	Resp:	75302
Ion	Ratio	Lower	Upper
96	100		
61	146.6	126.2	189.4
98	63.2	52.2	78.2

Manual Integrations
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5/1/2019 3:01:16 PM



#22

Diisopropyl ether

Concen: 20.273 ug/l

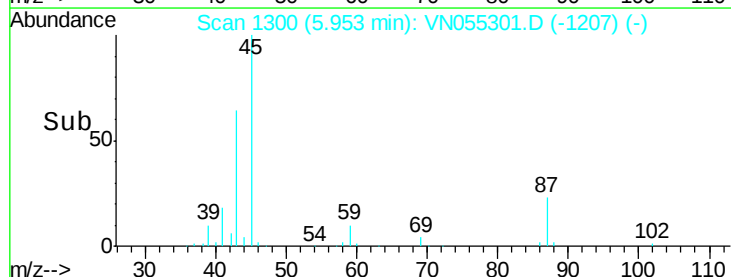
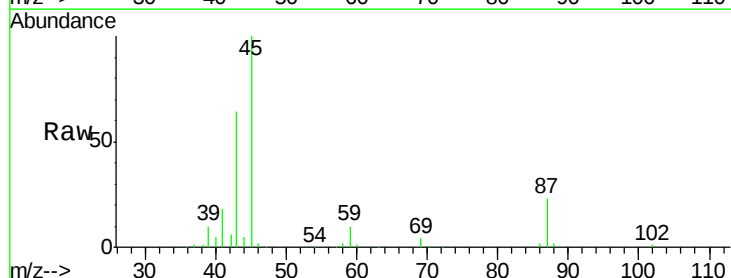
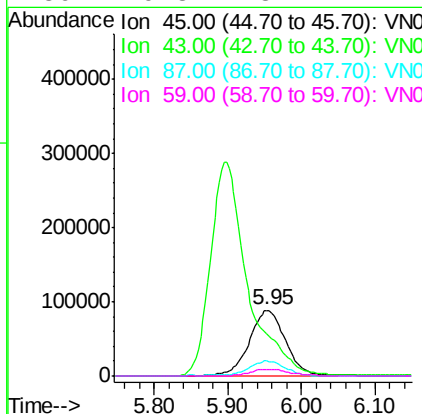
RT: 5.95 min Scan# 1300

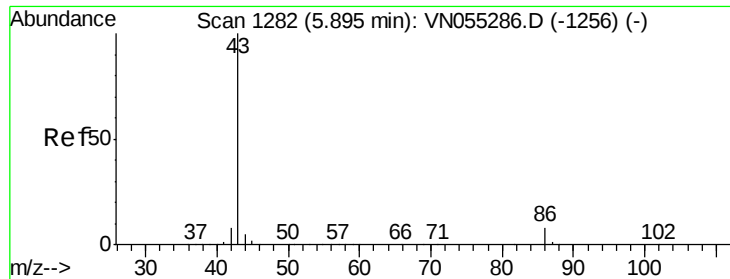
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	45	Resp:	304110
Ion	Ratio	Lower	Upper
45	100		
43	61.2	46.6	70.0
87	22.5	18.1	27.1
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 102.995 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 43 Resp: 1012572

Ion Ratio Lower Upper

43 100

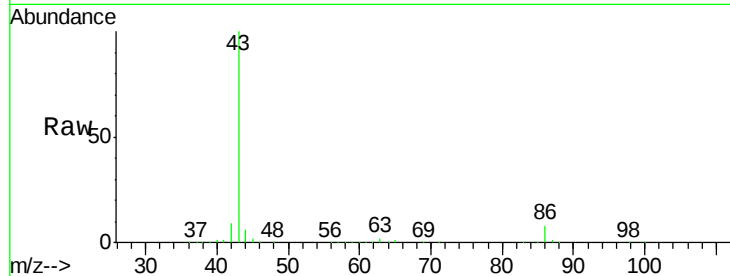
86 8.4 6.6 10.0

Manual Integrations

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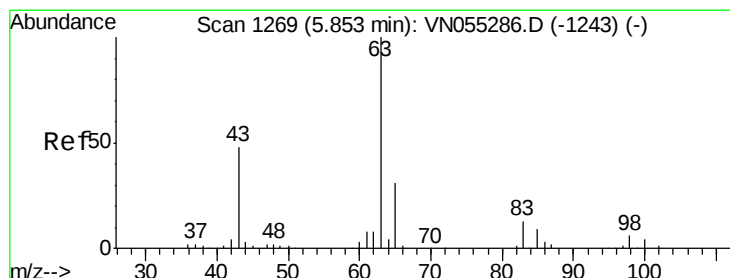
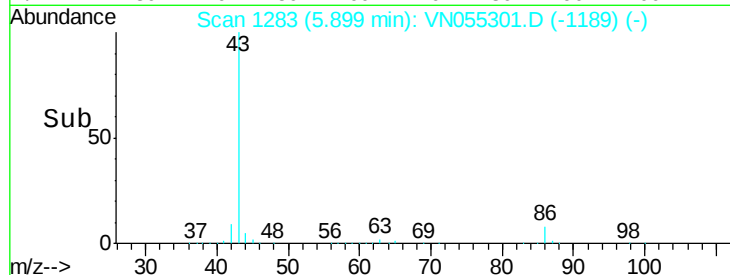
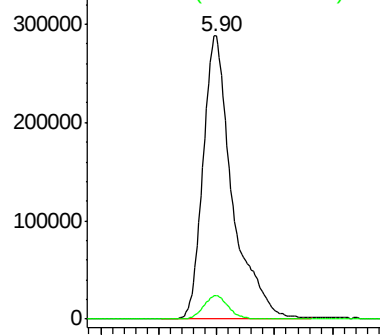
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.757 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

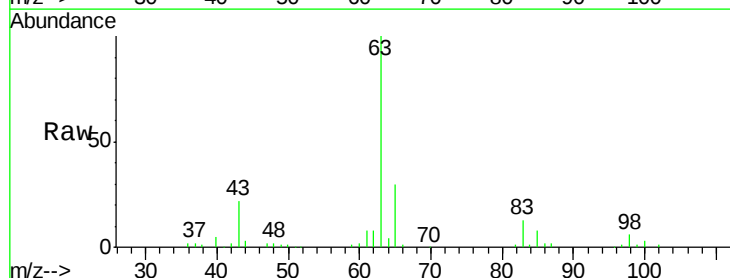
Tgt Ion: 63 Resp: 157905

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

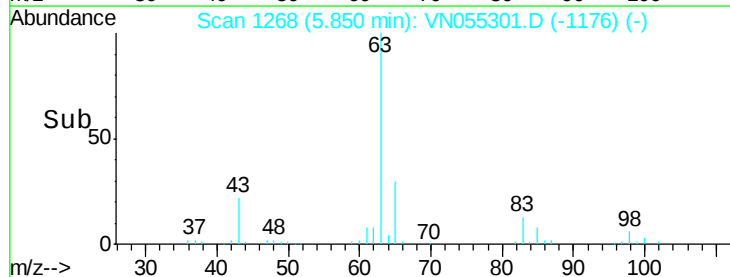
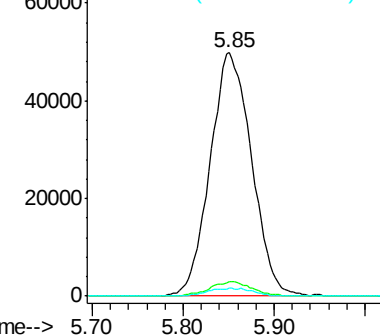
100 3.2 1.8 5.4

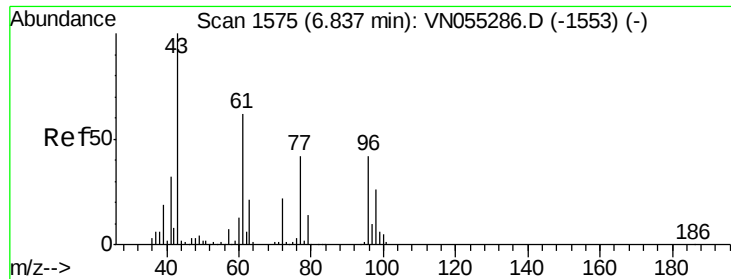


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 106.406 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 43 Resp: 204691

Ion Ratio Lower Upper

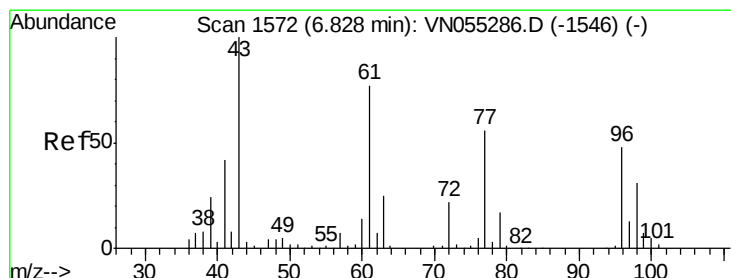
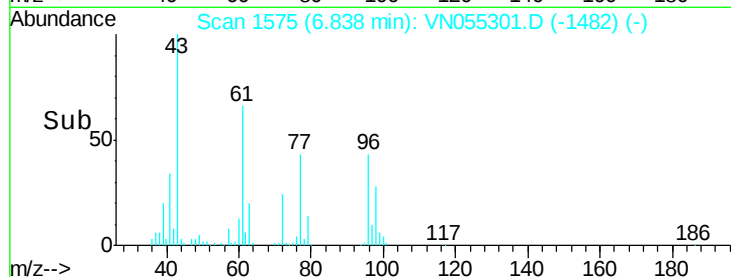
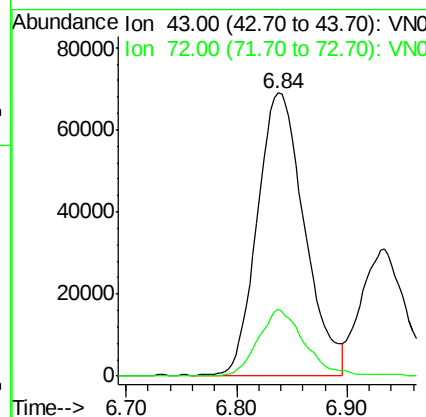
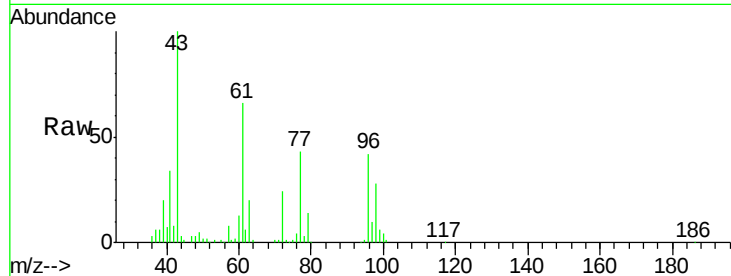
43 100

72 23.6 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 19.457 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055301.D

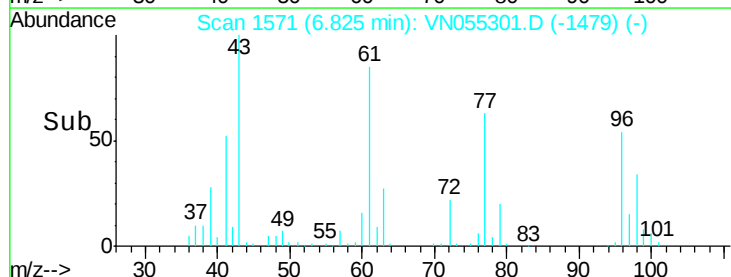
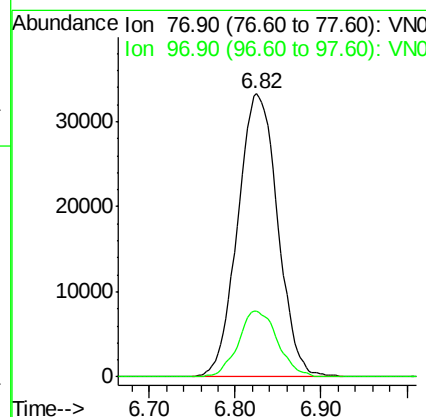
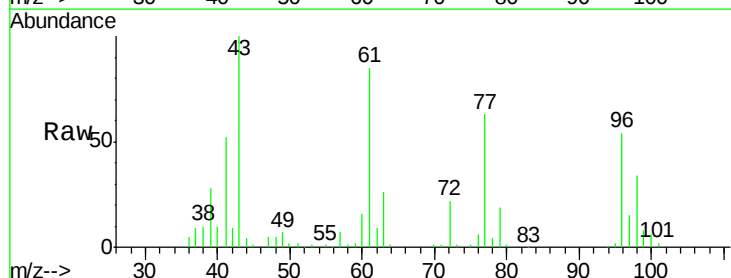
Acq: 30 Apr 2019 12:13

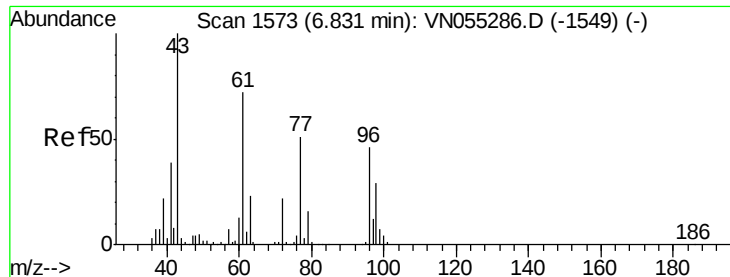
Tgt Ion: 77 Resp: 107382

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

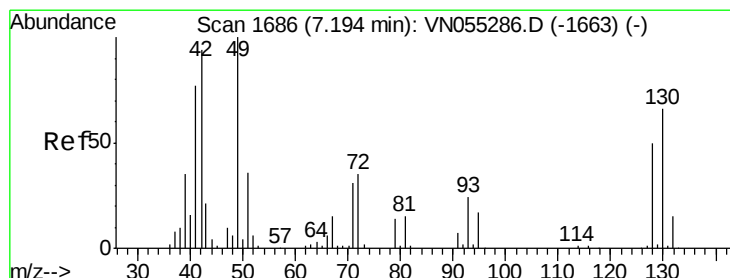
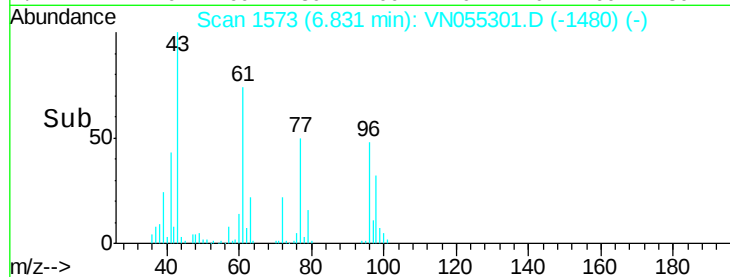
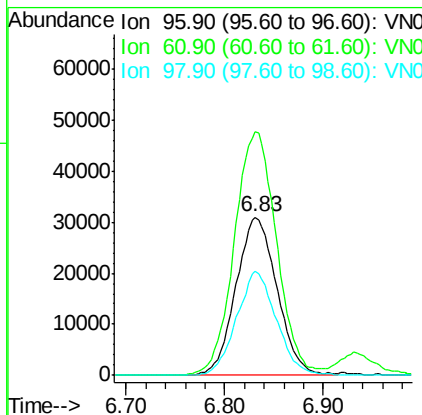
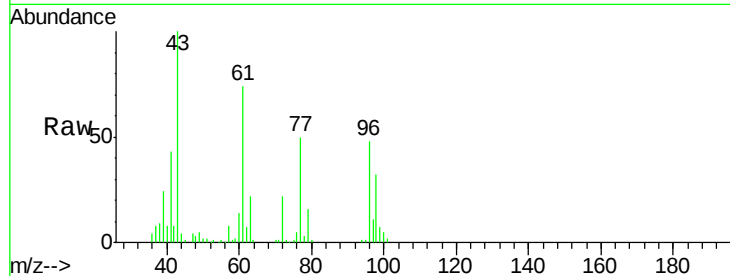
ClientSampled :

VN0430WBS01

Tot Ion:	96	Resp:	89693
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	316.2
98	63.4	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.399 ug/l

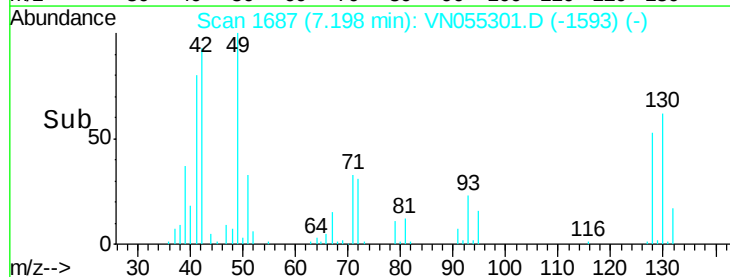
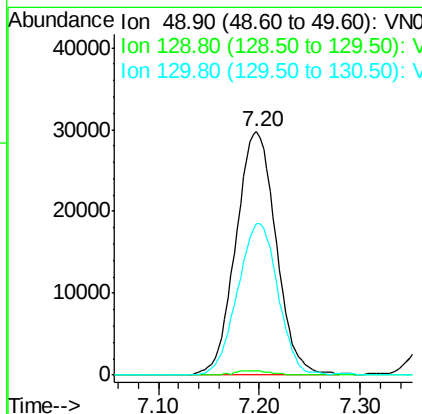
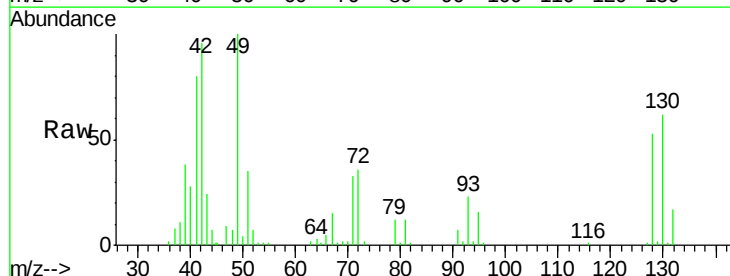
RT: 7.20 min Scan# 1687

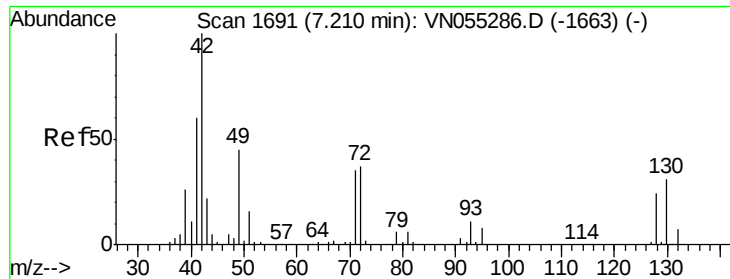
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	49	Resp:	82183
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.4
130	62.6	52.0	78.0





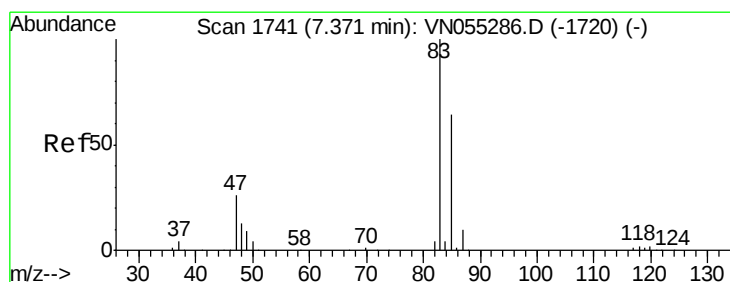
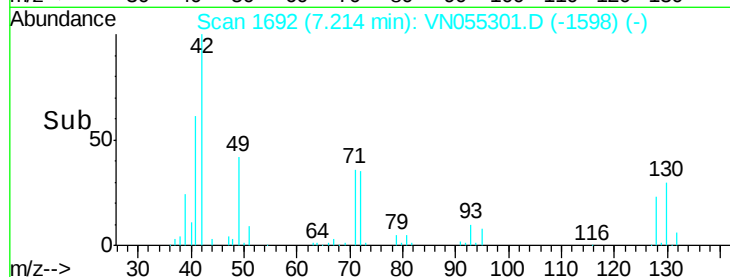
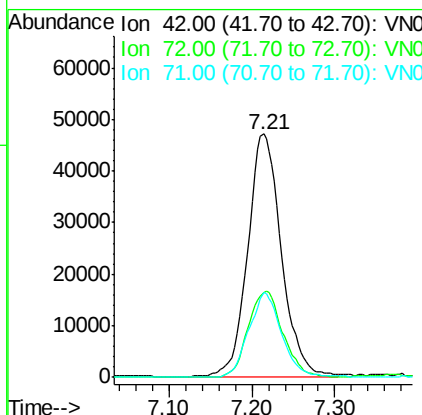
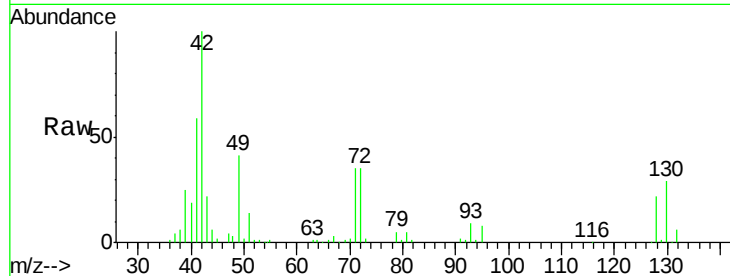
#29
Tetrahydrofuran
Concen: 107.173 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.0	43.6
71	34.4	27.1	40.7

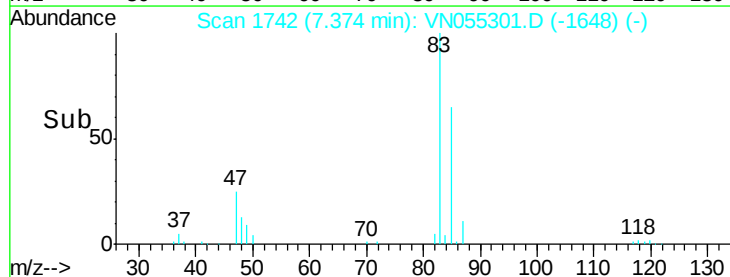
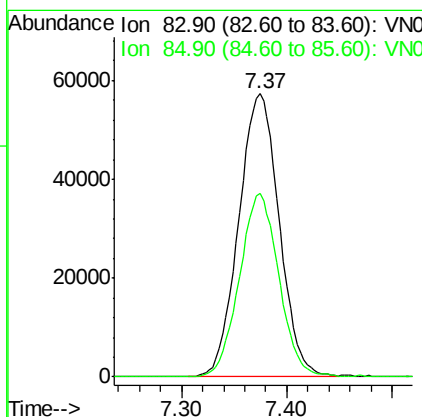
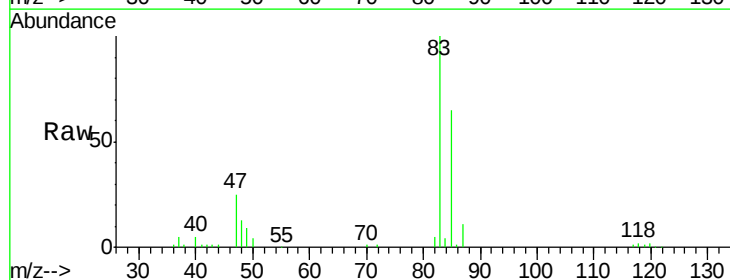
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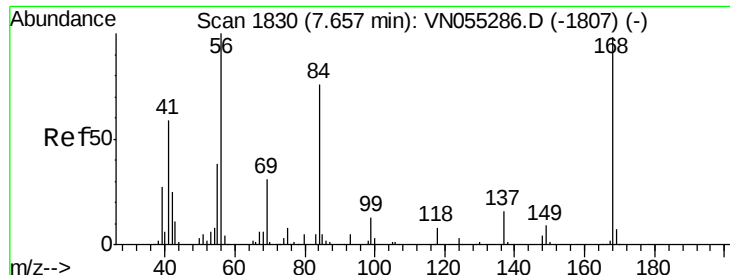
MMDadoda
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#30
Chloroform
Concen: 20.201 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





#31

Cyclohexane

Concen: 18.941 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

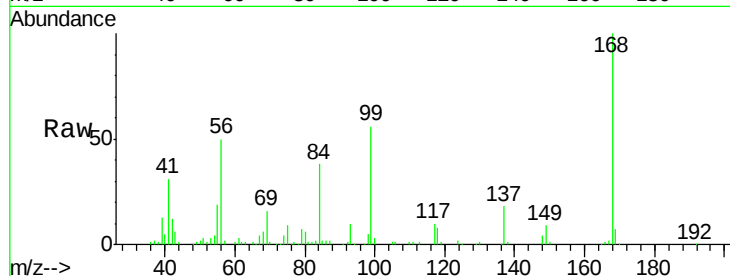
ClientSampled :

VN0430WBS01

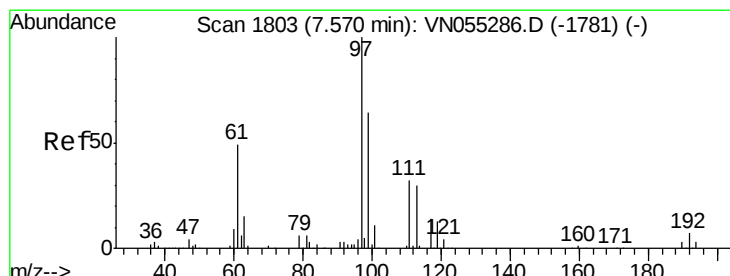
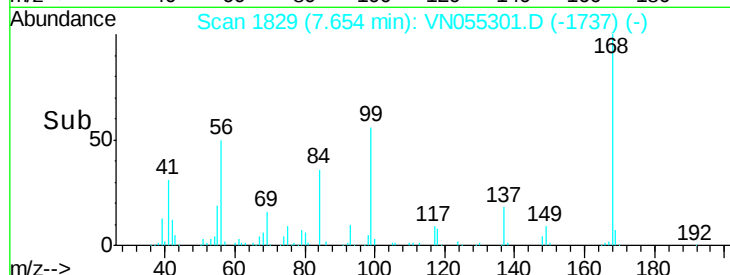
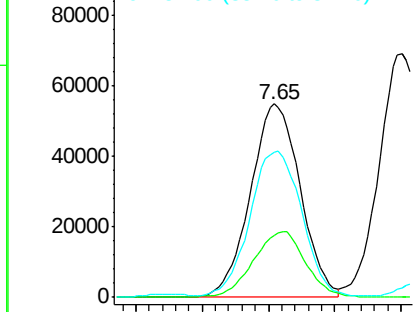
Tot Ion:	56	Resp:	143827
Ion Ratio	Lower	Upper	
56	100		
69	32.2	25.2	37.8
84	74.3	61.1	91.7

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.921 ug/l

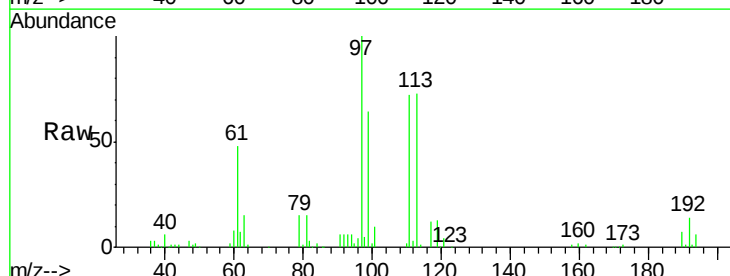
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

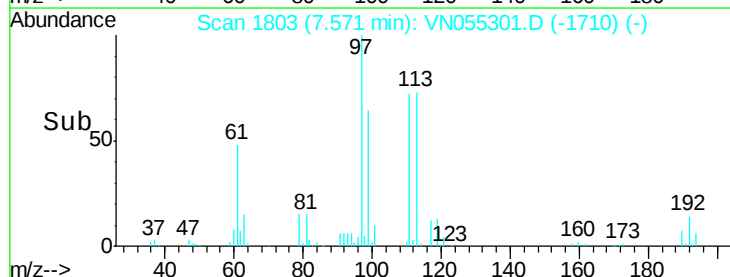
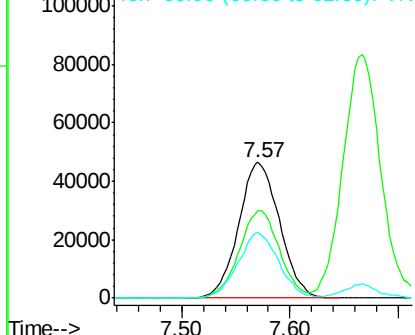
Lab File: VN055301.D

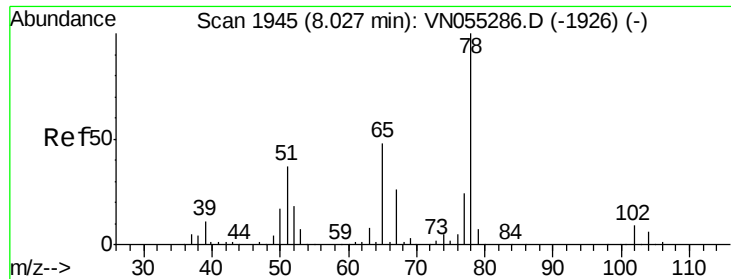
Acq: 30 Apr 2019 12:13

Tgt Ion:	97	Resp:	122494
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.8	77.8
61	48.0	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





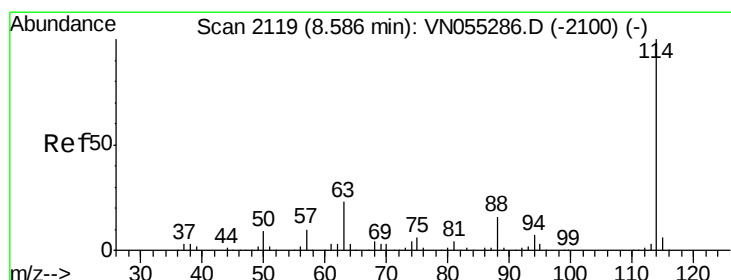
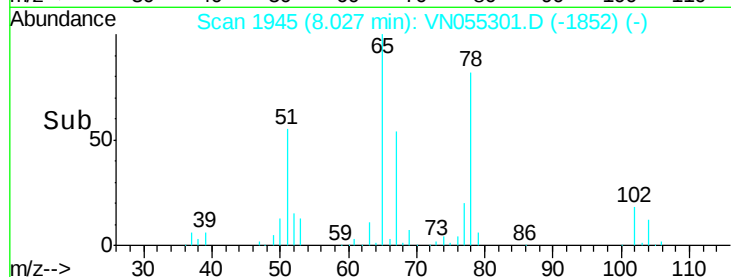
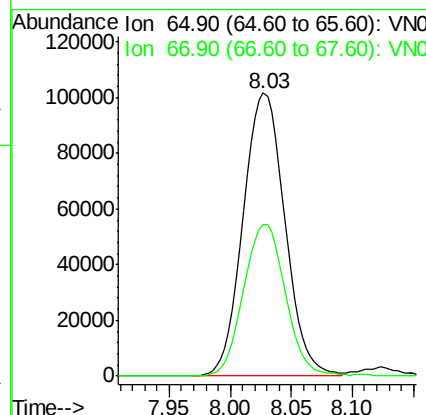
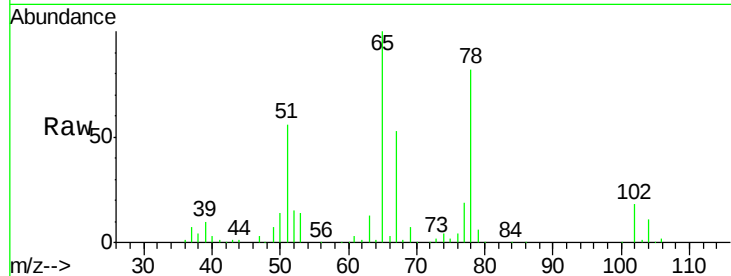
#33
 1,2-Dichloroethane-d4
 Concen: 50.005 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	241402		
67	53.6	0.0	106.8	

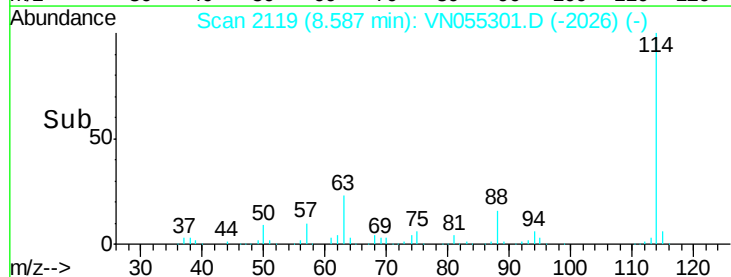
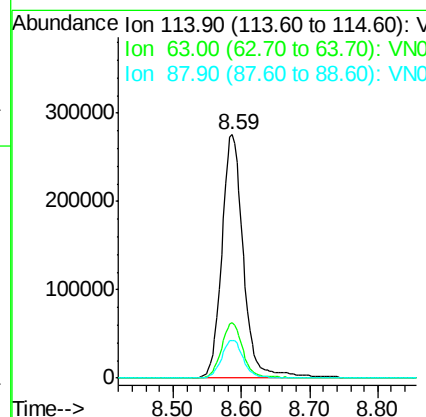
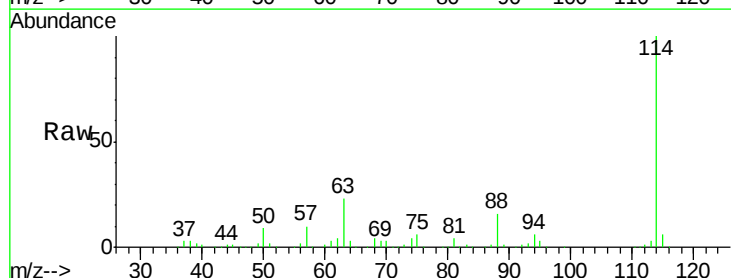
Manual Integrations
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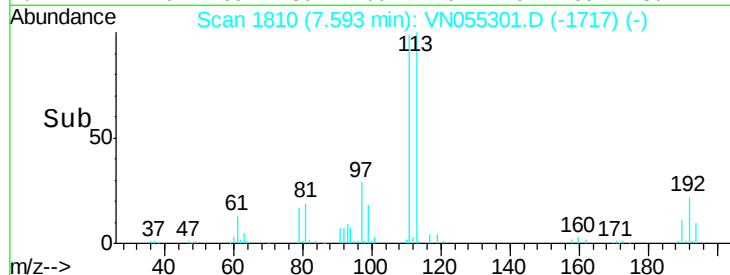
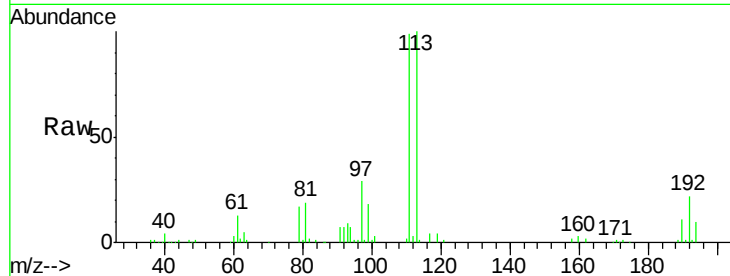
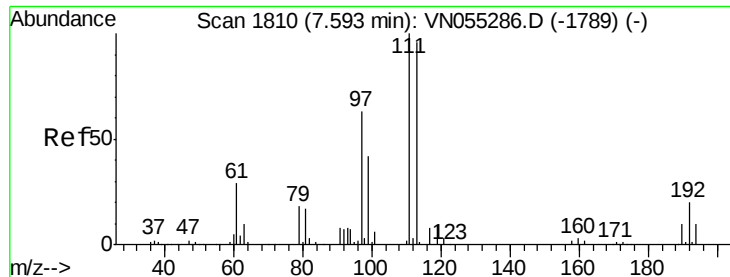
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	607586		
63	22.7	0.0	45.2	
88	15.6	0.0	31.6	





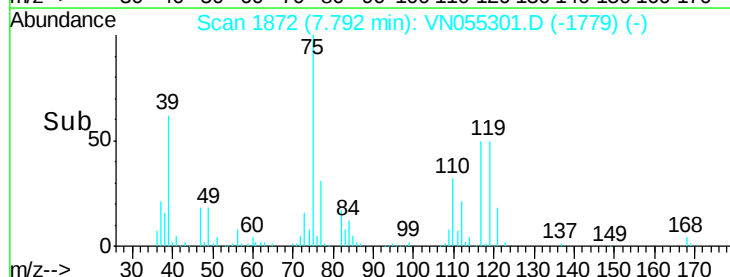
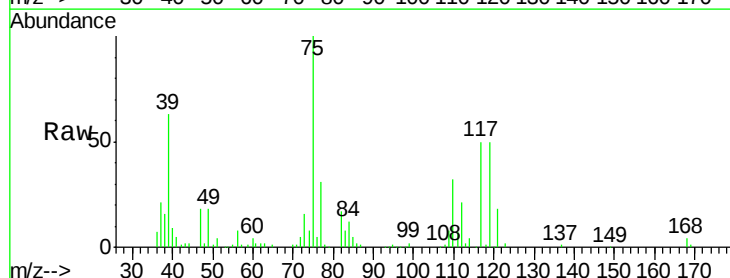
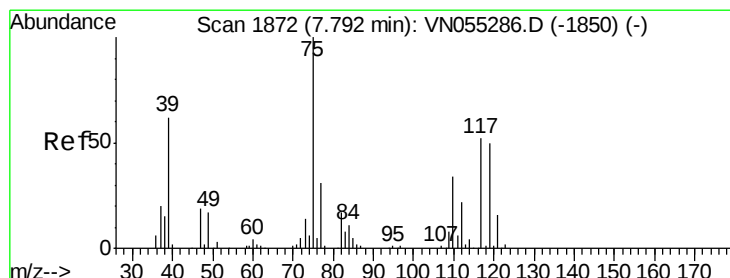
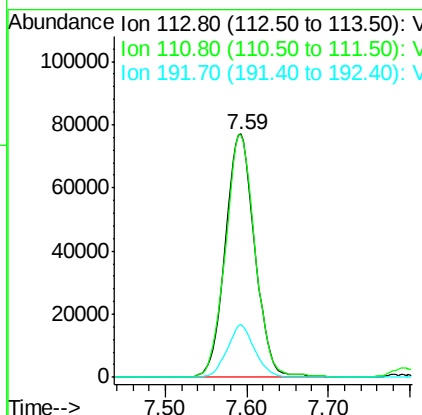
#35
Dibromofluoromethane
Concen: 49.125 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195912		
111	98.9	82.3	123.5	
192	20.1	17.0	25.6	

Instrument :
MSVOA_N
ClientSampled :
VN0430WBS01

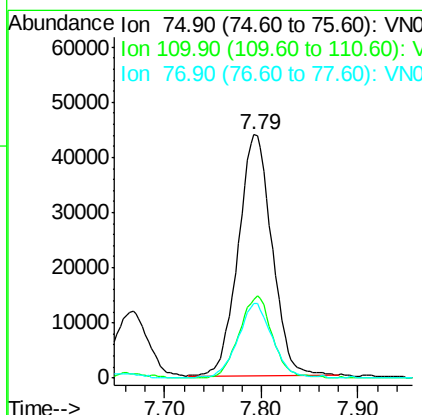
Manual Integrations
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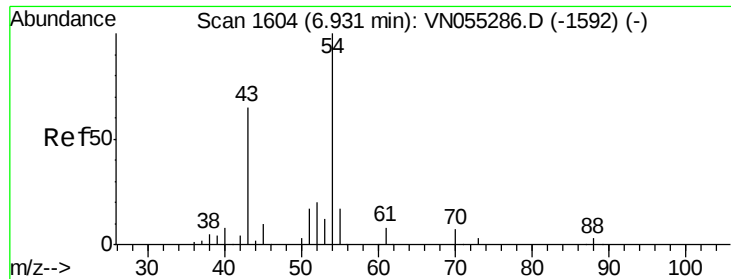
MMDadoda
5/1/2019 3:01:16 PM



#36
1,1-Dichloropropene
Concen: 18.370 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106911		
110	33.5	16.8	50.4	
77	31.4	25.0	37.6	





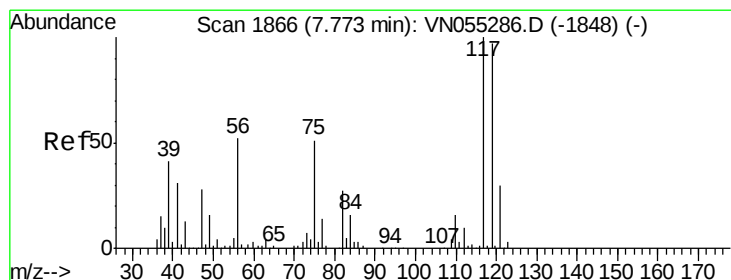
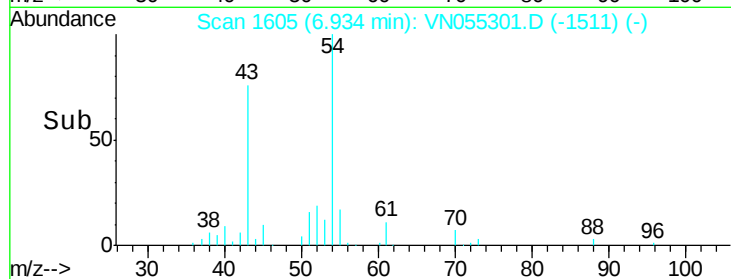
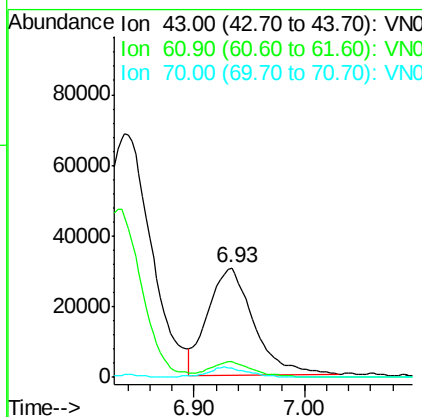
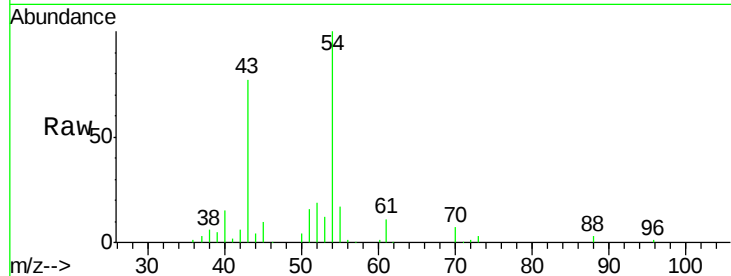
#37
Ethyl Acetate
Concen: 19.679 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0430WBS01

Tot Ion	43	61	70
Resp	87774		
Ratio	100	13.5	8.5
Lower		10.4	6.6
Upper		15.6	10.0

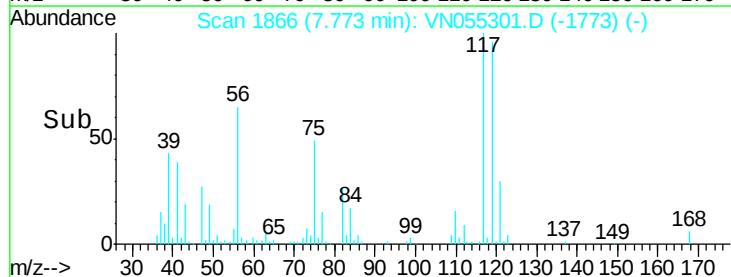
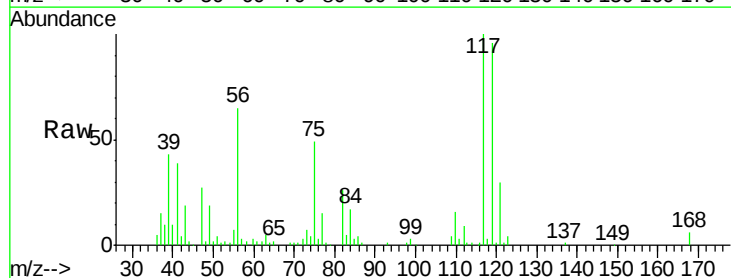
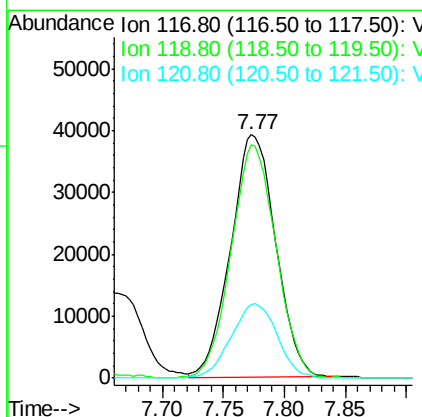
Manual Integrations
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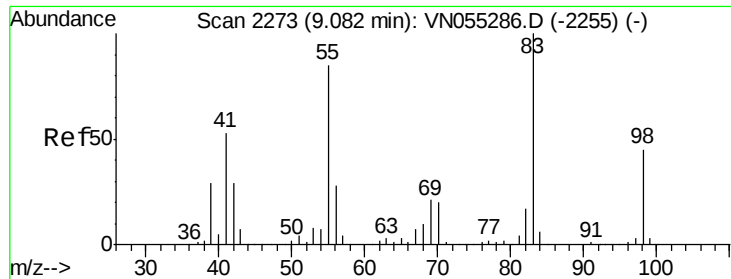
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.868 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	117	119	121
Resp	100310		
Ratio	100	95.8	30.5
Lower		77.0	23.8
Upper		115.6	35.8





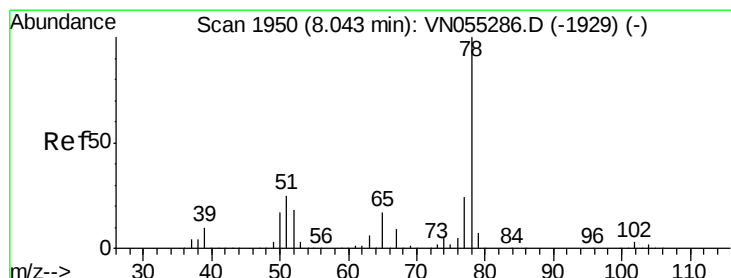
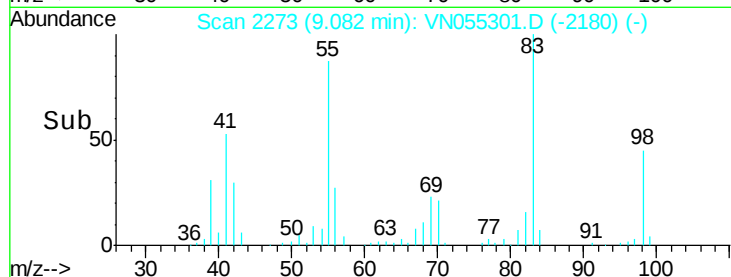
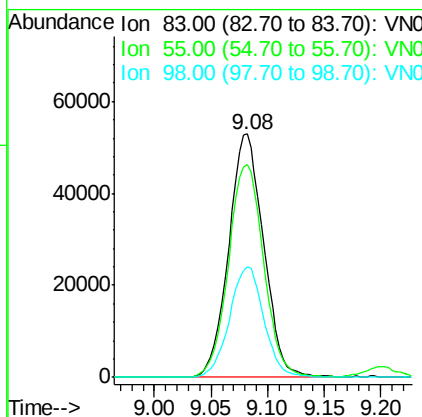
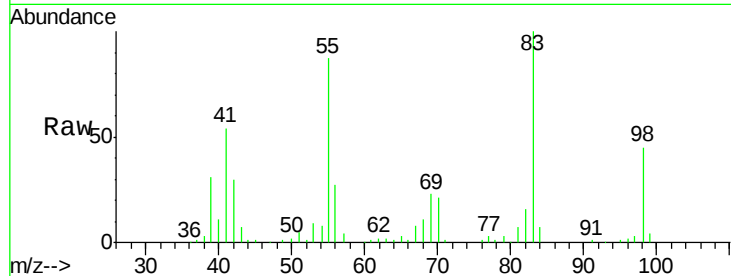
#39
Methvlcvclohexane
Concen: 18.383 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	83	Resp	113748
Ion Ratio	Lower	Upper	
83	100		
55	87.3	67.8	101.6
98	45.5	36.2	54.4

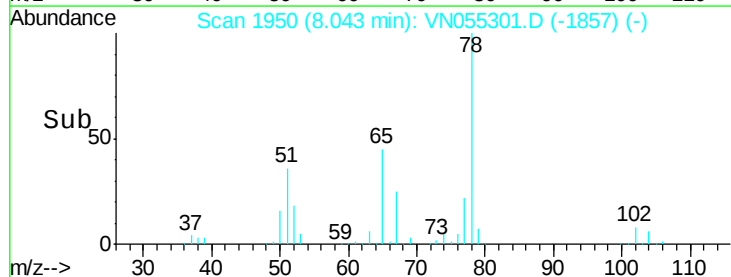
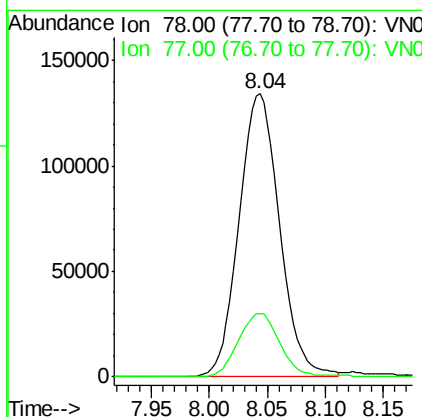
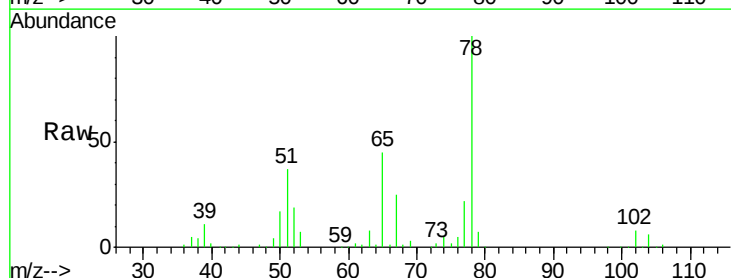
Manual Integrations
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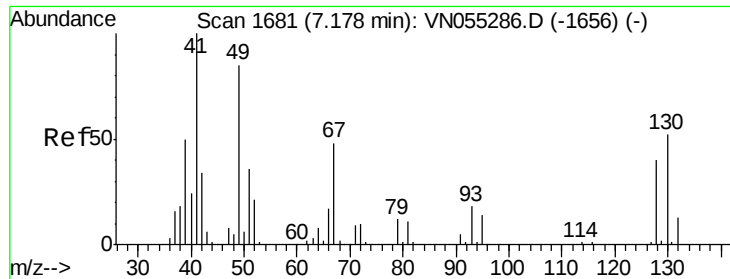
MMDadoda
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#40
Benzene
Concen: 19.072 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	78	Resp	327198
Ion Ratio	Lower	Upper	
78	100		
77	22.5	19.0	28.6





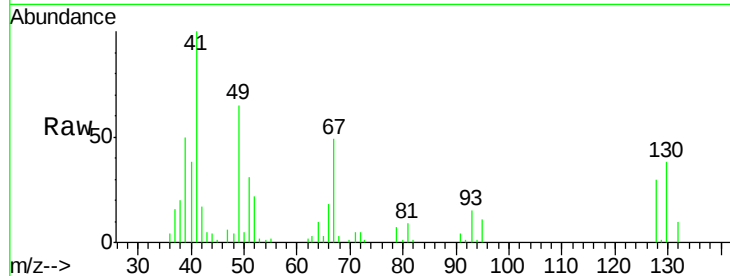
#41
Methacrylonitrile
Concen: 20.010 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0430WBS01

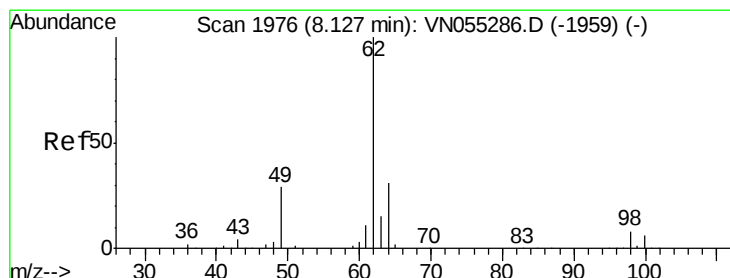
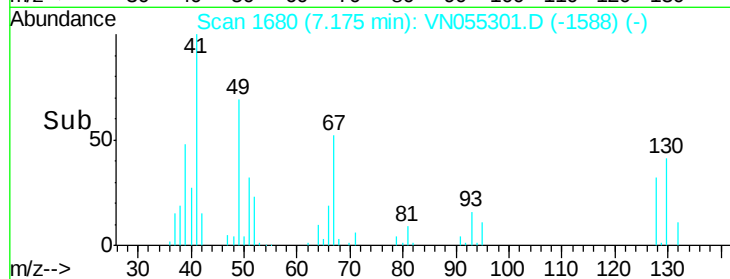
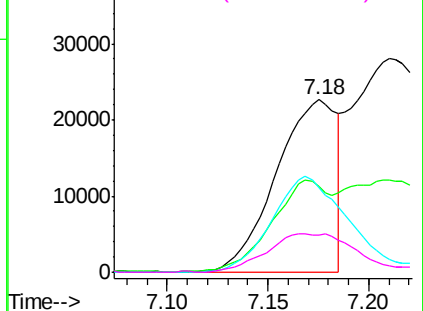
Tot Ion:	41	Resp:	47217
Ion	Ratio	Lower	Upper
41	100		
39	50.3	48.5	72.7
67	71.9	54.9	82.3
52	33.2	24.9	37.3

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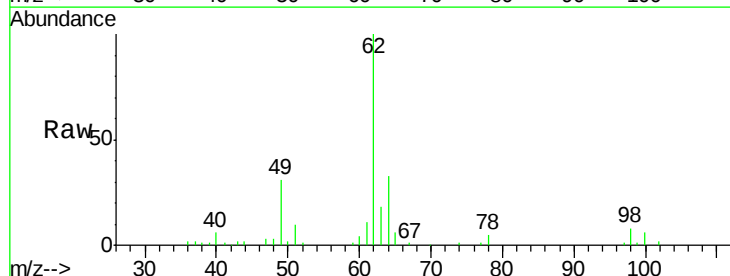


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

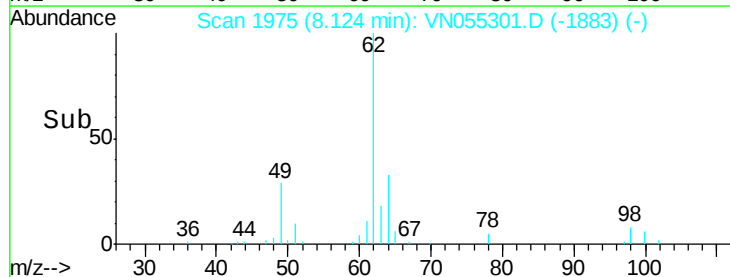
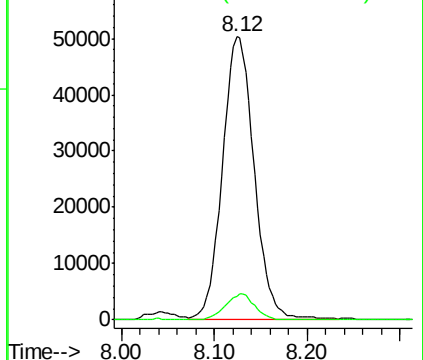


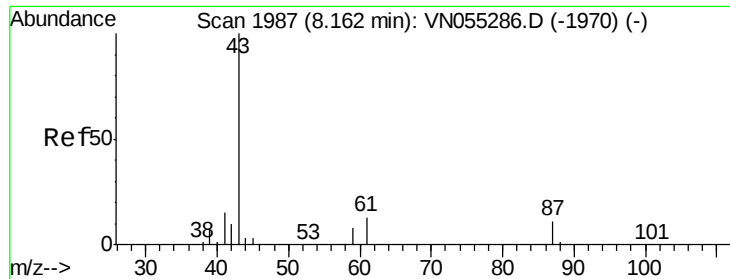
#42
1,2-Dichloroethane
Concen: 19.477 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion:	62	Resp:	118349
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





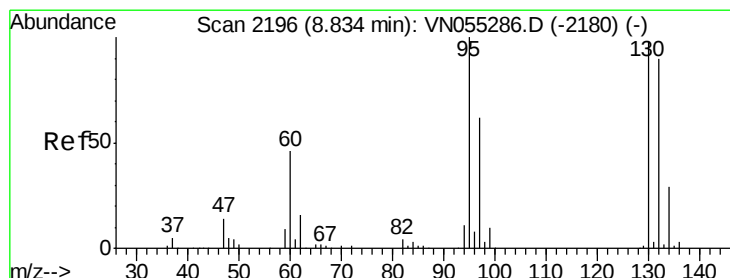
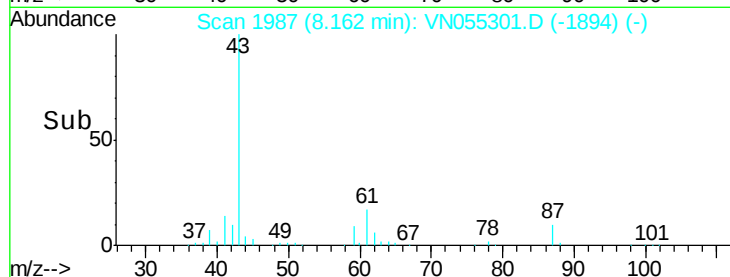
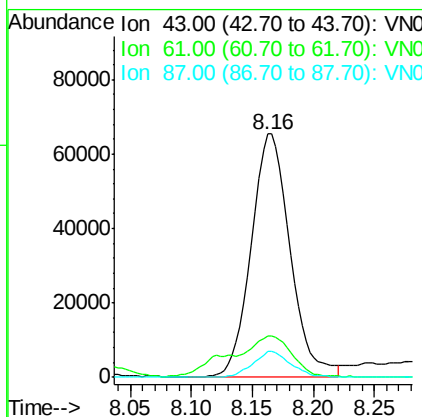
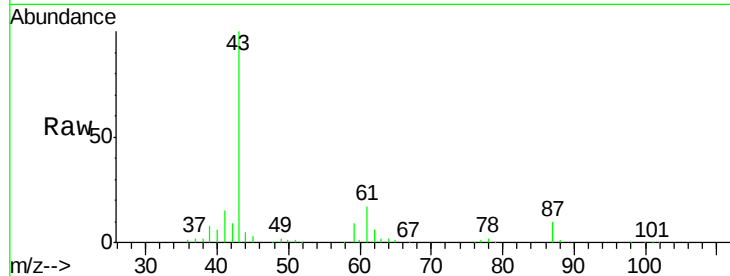
#43
Isopropyl Acetate
Concen: 20.096 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	20.8	31.2#
87	10.5	8.5	12.7

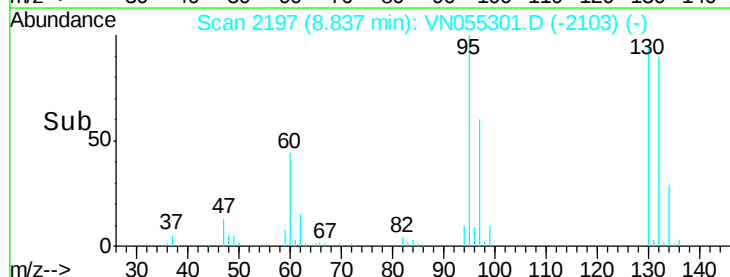
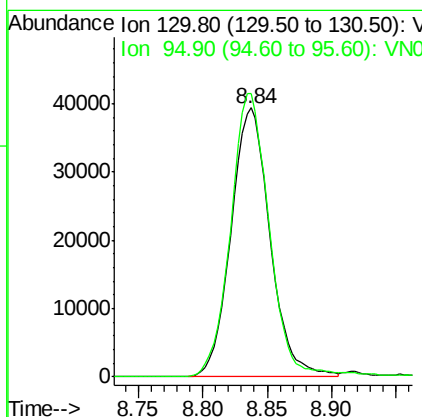
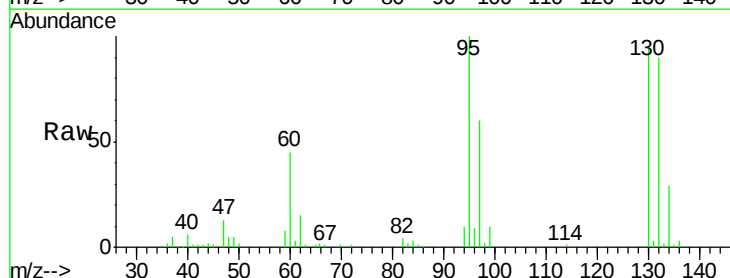
Manual Integrations
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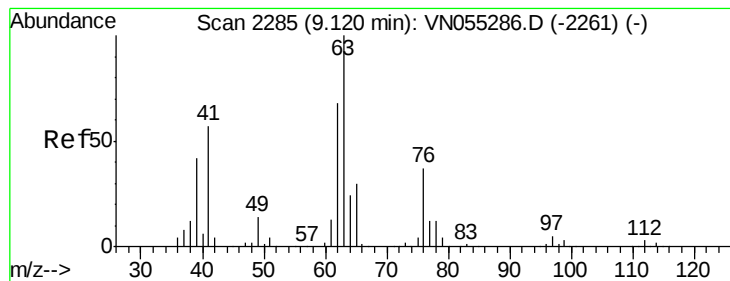
MMDadoda
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#44
Trichloroethene
Concen: 18.976 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	203.4





#45

1,2-Dichloropropane

Concen: 18.998 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 63 Resp: 94003

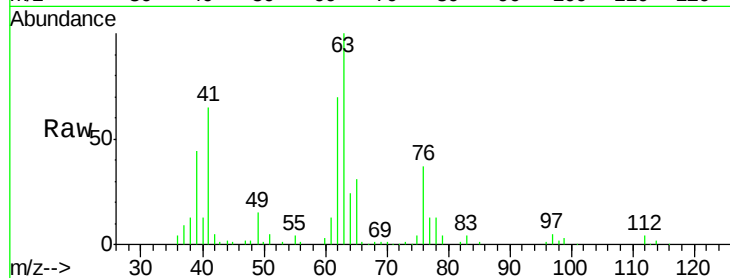
Ion Ratio Lower Upper

63 100

65 31.5 23.9 35.9

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

40000

30000

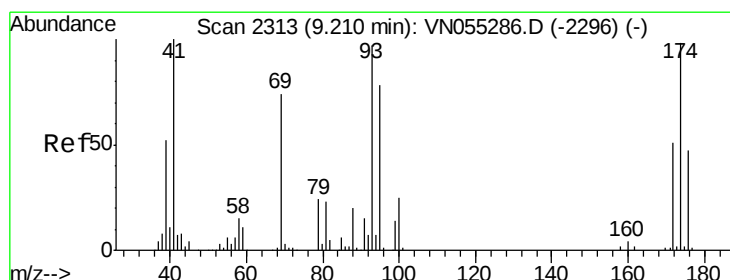
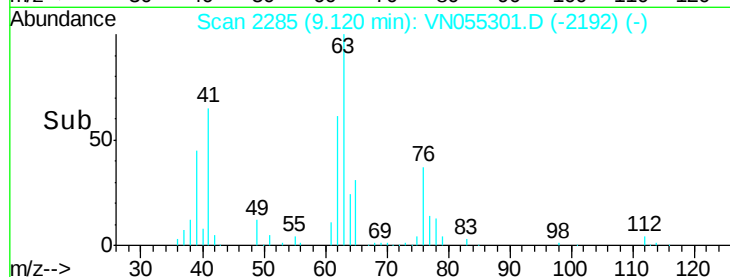
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.761 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

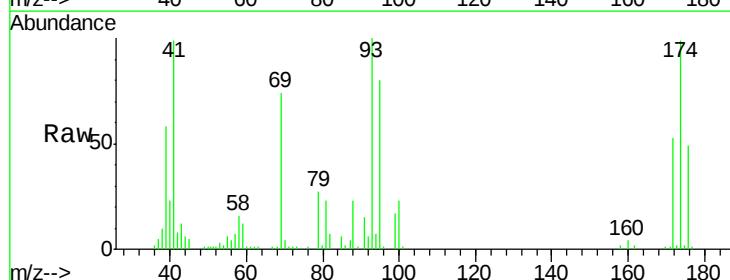
Tgt Ion: 93 Resp: 53448

Ion Ratio Lower Upper

93 100

95 82.2 65.7 98.5

174 102.5 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

30000

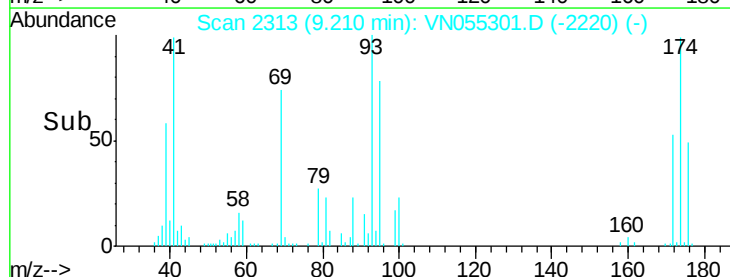
20000

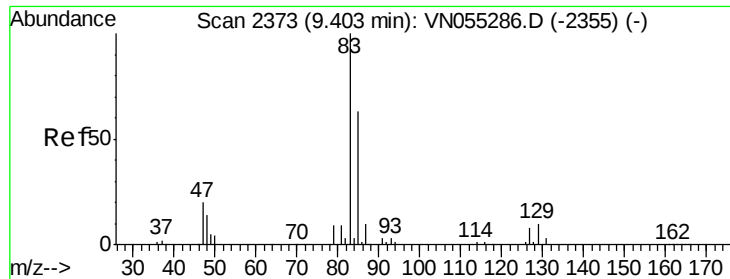
10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 19.330 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

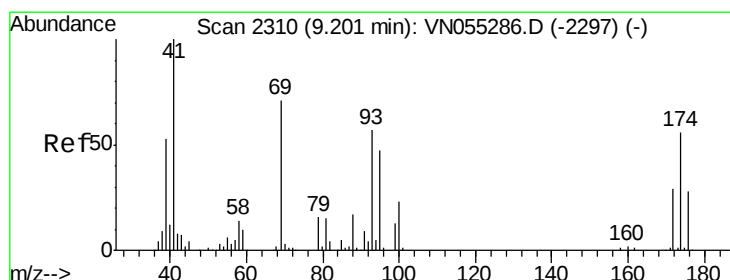
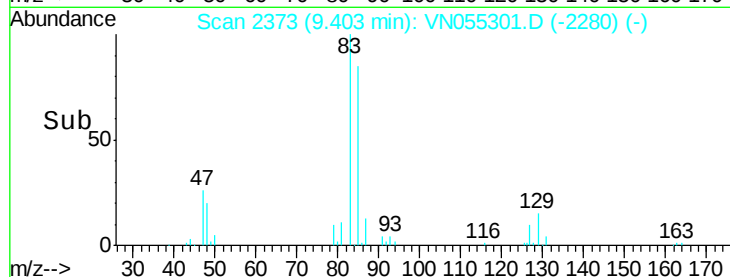
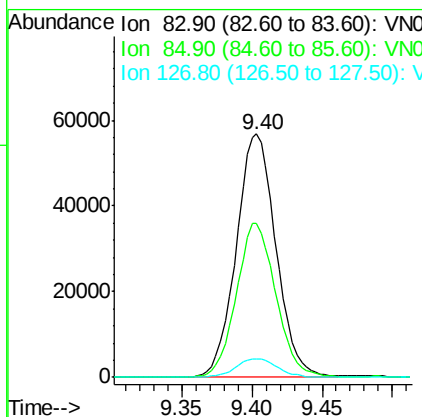
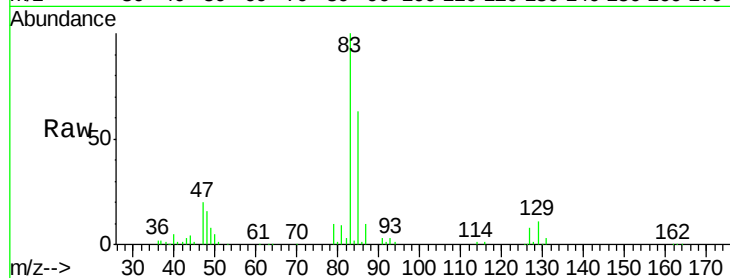
ClientSampleId :

VN0430WBS01

Tot Ion:	83	Resp:	112160
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.1	75.1
127	7.6	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.643 ug/l

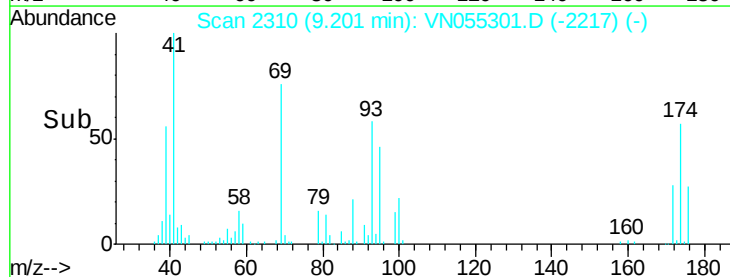
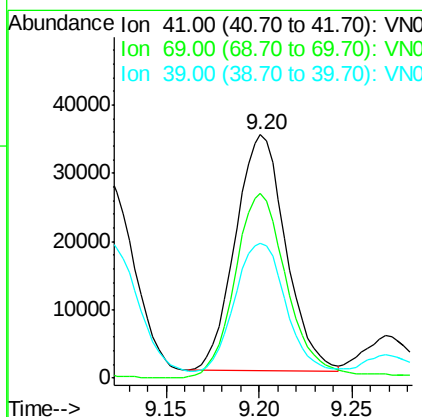
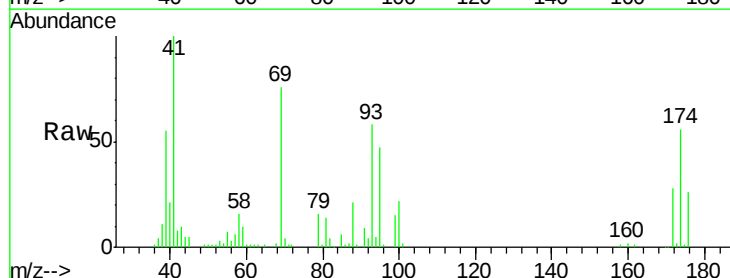
RT: 9.20 min Scan# 2310

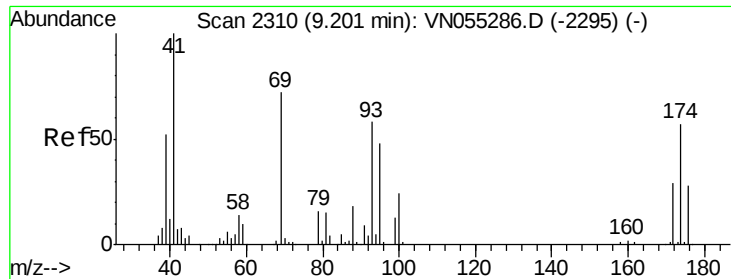
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	41	Resp:	65693
Ion Ratio	Lower	Upper	
41	100		
69	80.7	58.6	87.8
39	58.7	43.8	65.6





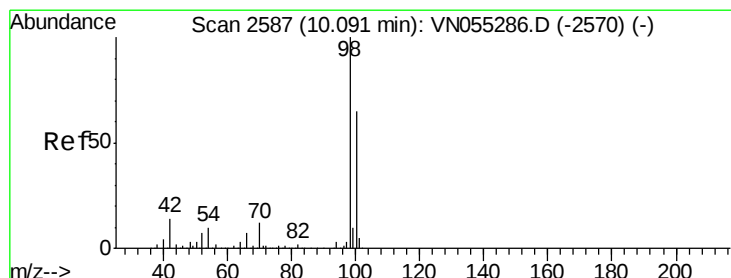
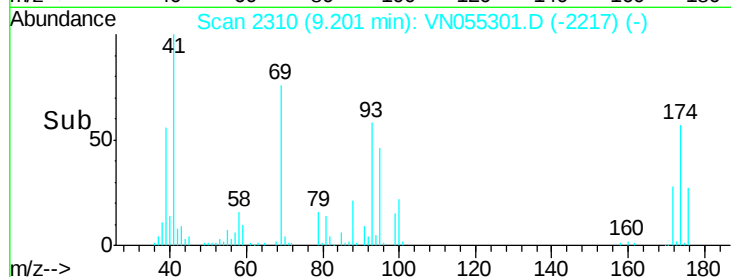
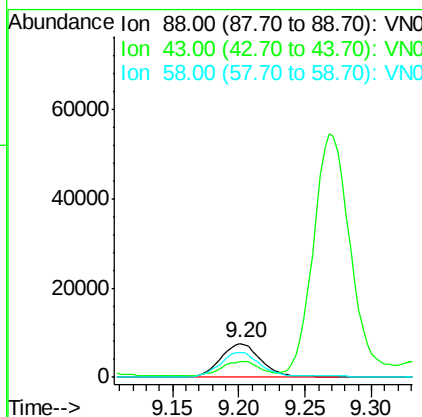
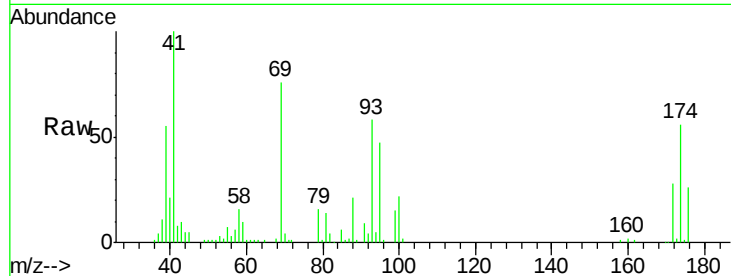
#49
 1,4-Dioxane
 Concen: 443.601 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	33.3	49.9
58	73.4	62.7	94.1

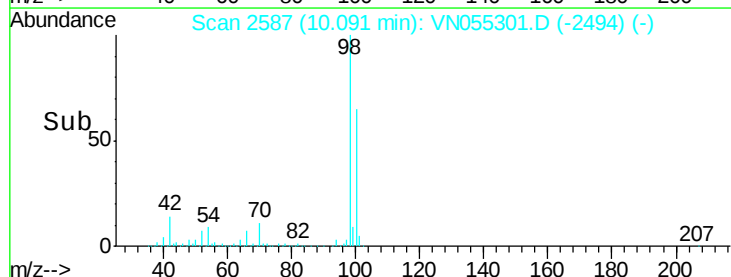
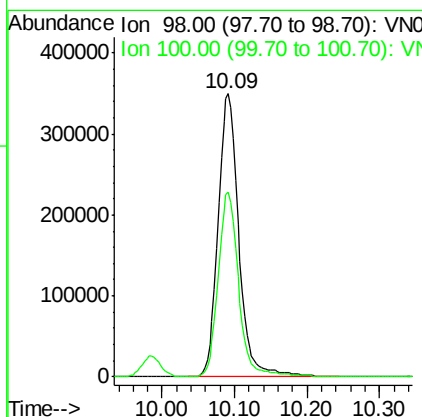
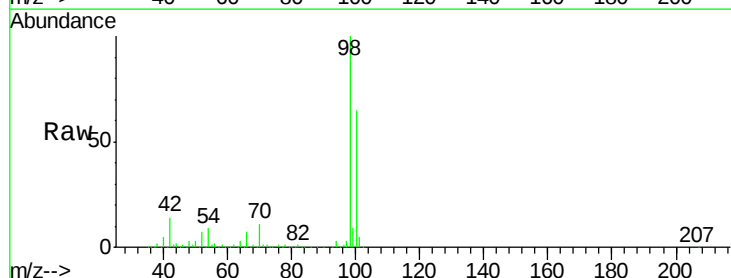
Manual Integrations
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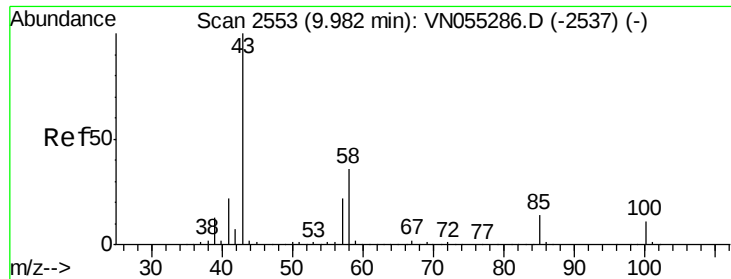
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#50
 Toluene-d8
 Concen: 48.234 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.332 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 43 Resp: 417016

Ion Ratio Lower Upper

43 100

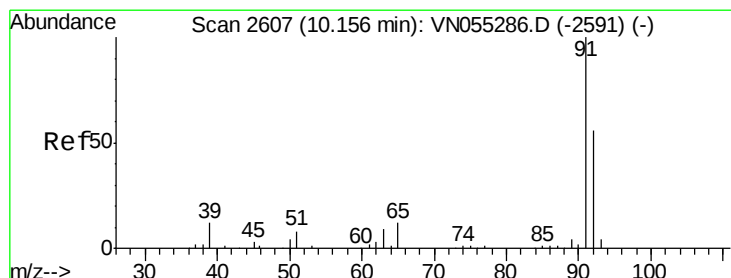
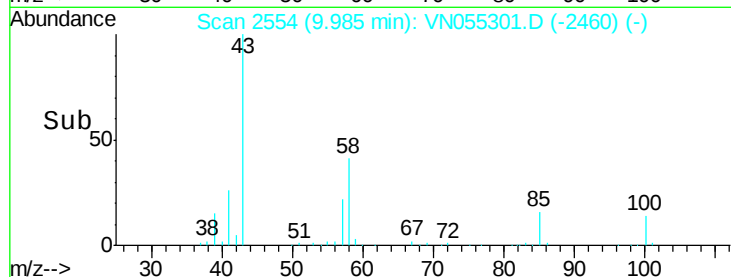
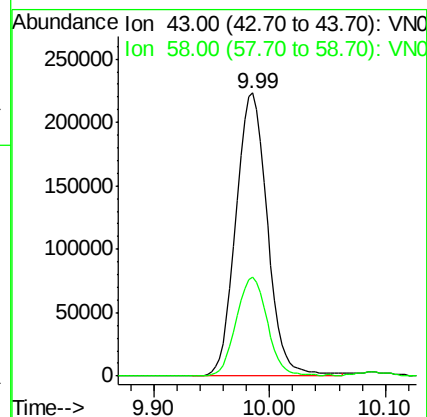
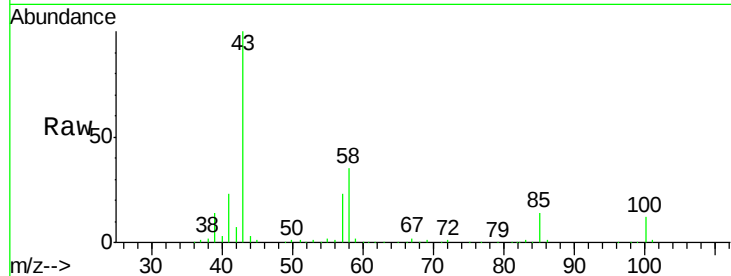
58 34.8 28.5 42.7

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#52

Toluene

Concen: 19.520 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055301.D

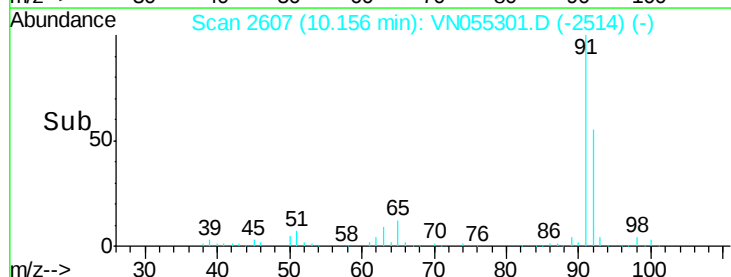
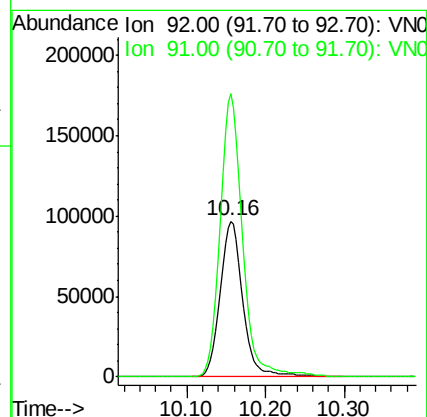
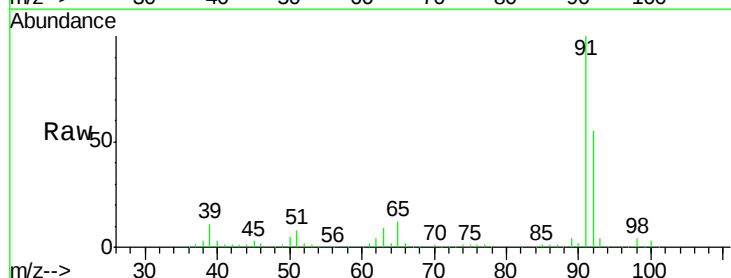
Acq: 30 Apr 2019 12:13

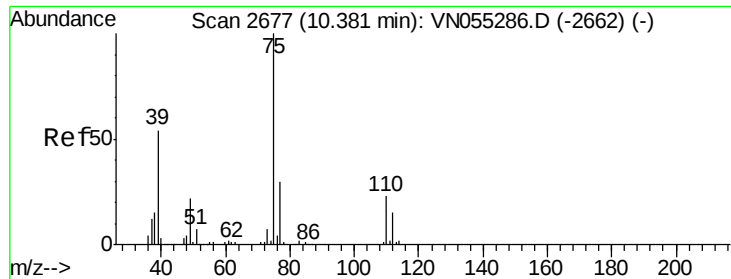
Tgt Ion: 92 Resp: 192152

Ion Ratio Lower Upper

92 100

91 179.2 140.1 210.1





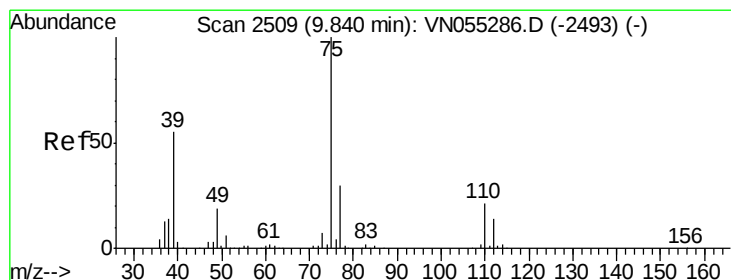
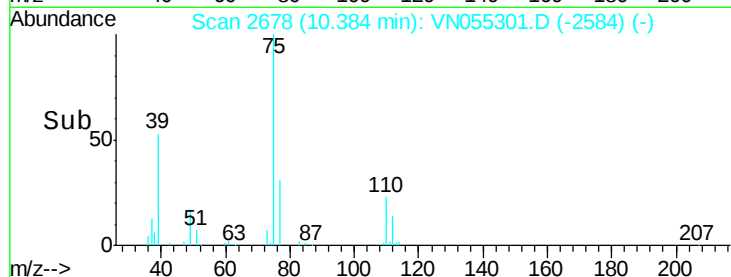
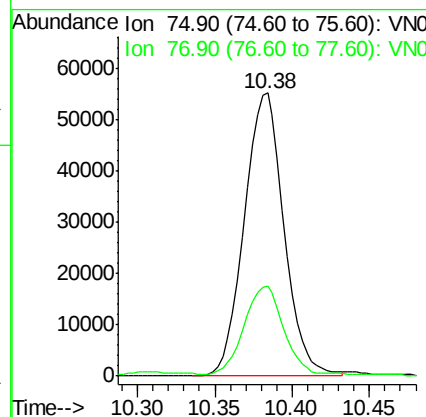
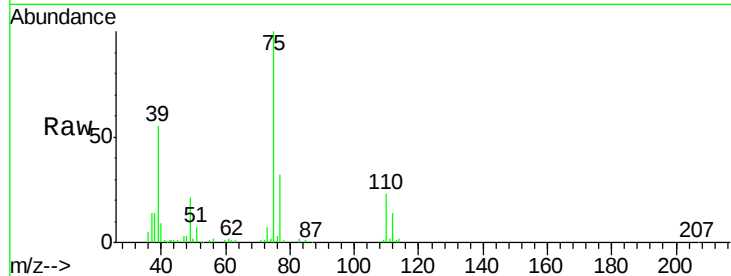
#53
t-1,3-Dichloropropene
Concen: 19.603 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6

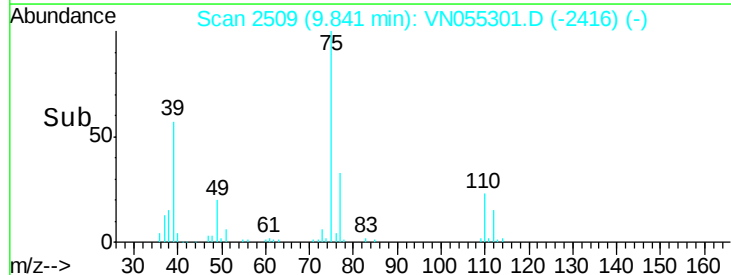
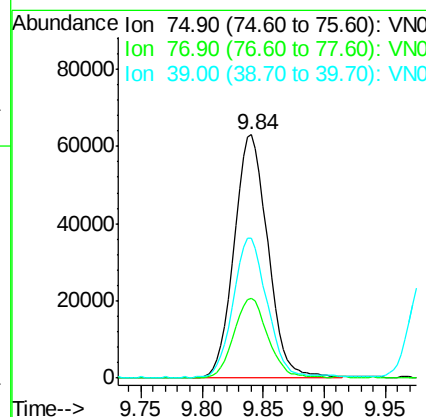
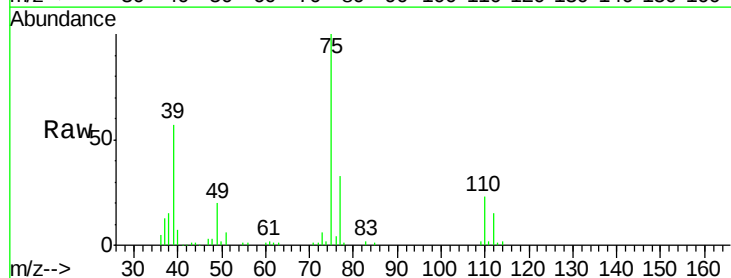
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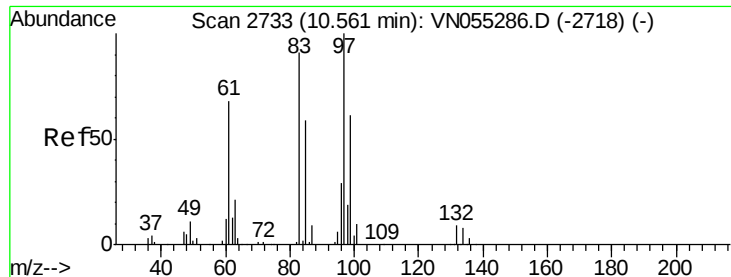
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#54
cis-1,3-Dichloropropene
Concen: 19.345 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.2	36.2
39	56.9	44.2	66.2





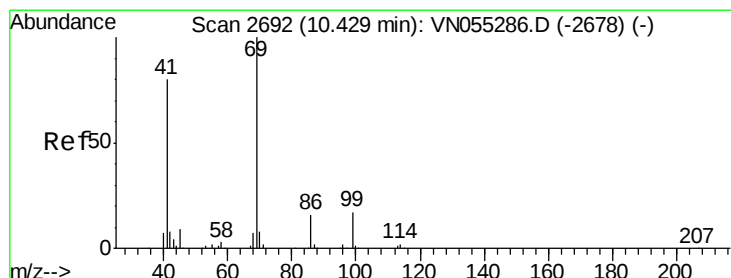
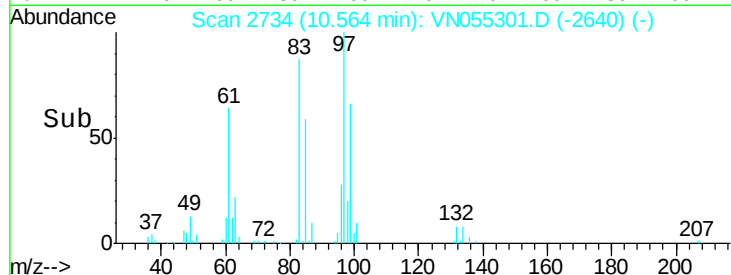
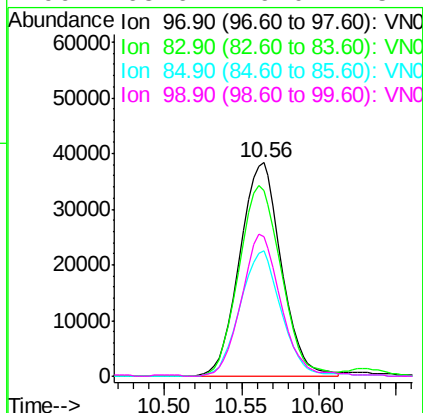
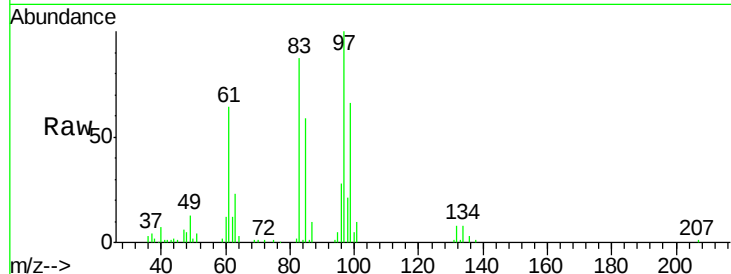
#55
 1,1,2-Trichloroethane
 Concen: 19.686 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		71961		
83	87.0	72.8	109.2		
85	58.6	47.0	70.6		
99	65.6	49.0	73.4		

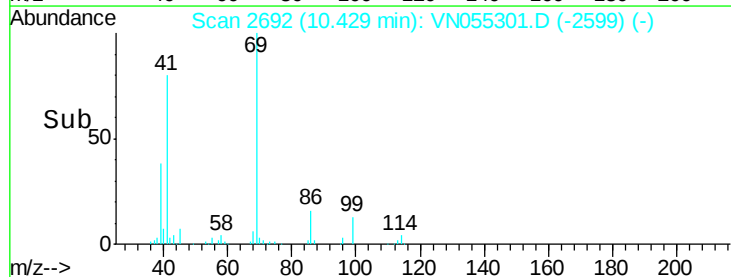
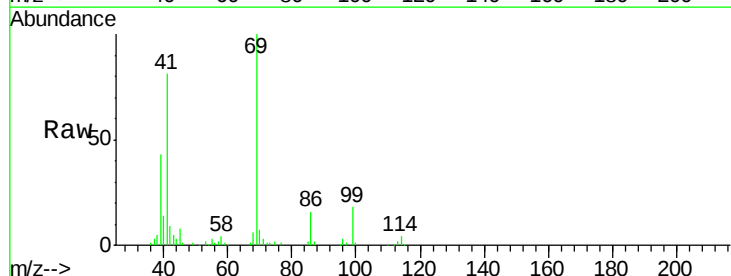
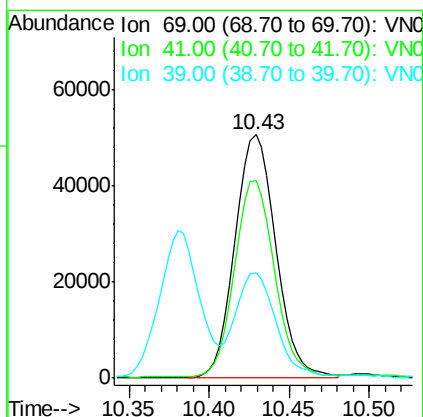
Manual Integrations
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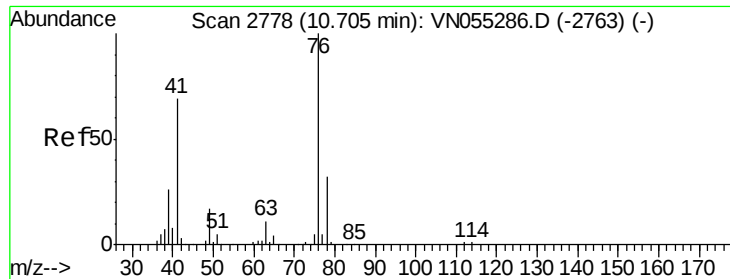
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#56
 Ethyl methacrylate
 Concen: 19.746 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		88842		
41	77.8	62.7	94.1		
39	41.8	32.0	48.0		





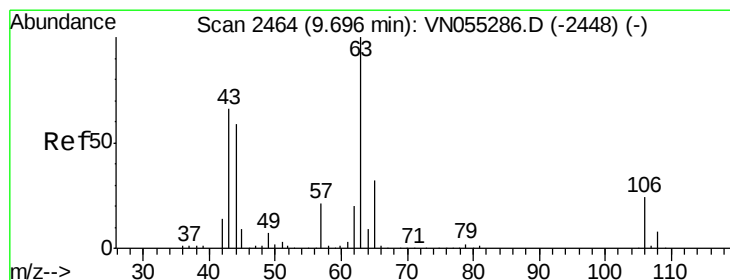
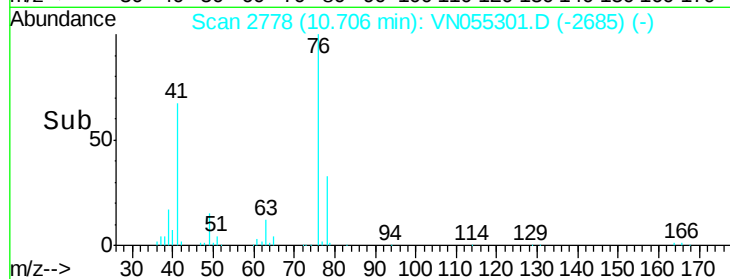
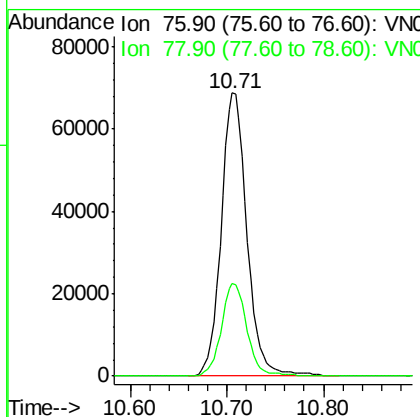
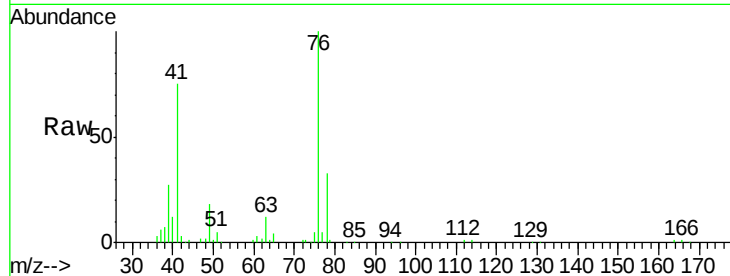
#57
 1,3-Dichloropropane
 Concen: 19.767 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBS01

Tot Ion: 76 Resp: 126755
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

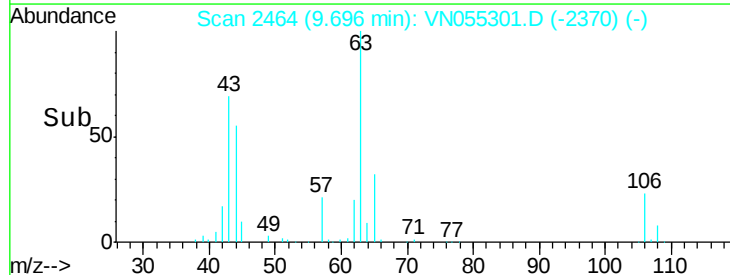
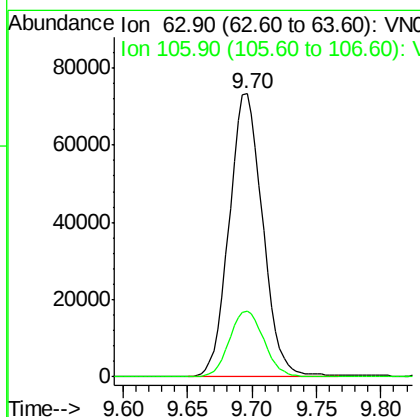
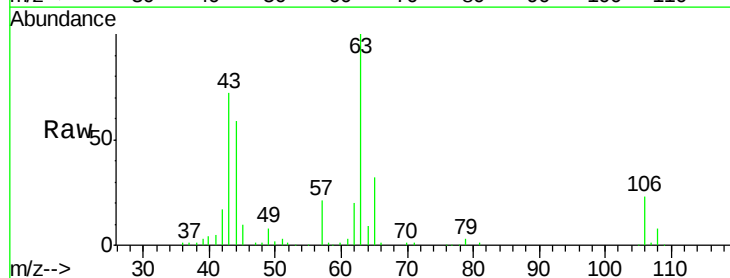
Manual Integrations
 APPROVED

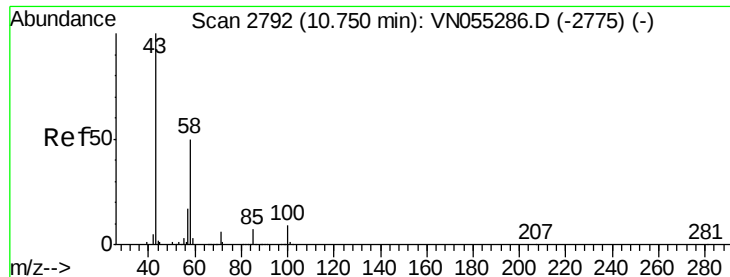
MMDadoda
 5/1/2019 3:01:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.717 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion: 63 Resp: 132689
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.4





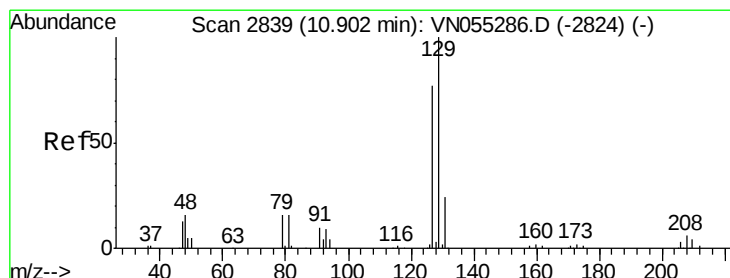
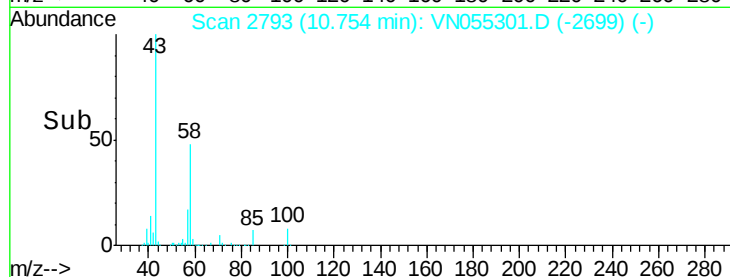
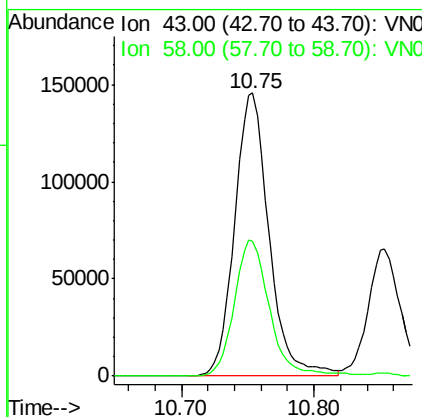
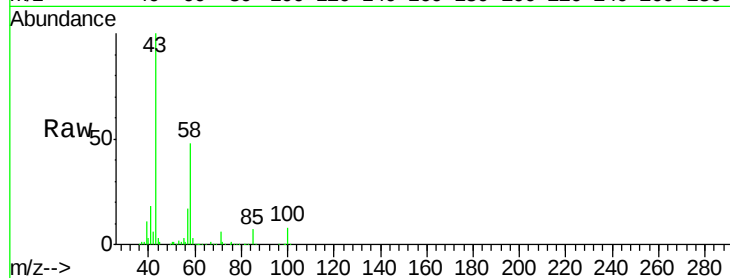
#59
2-Hexanone
Concen: 103.239 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion: 43 Resp: 260687
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.6

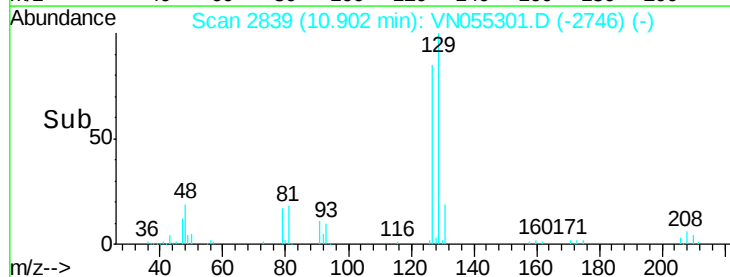
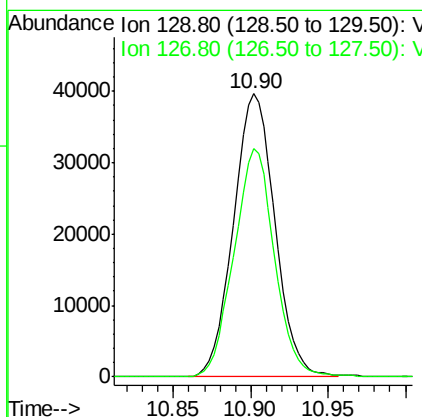
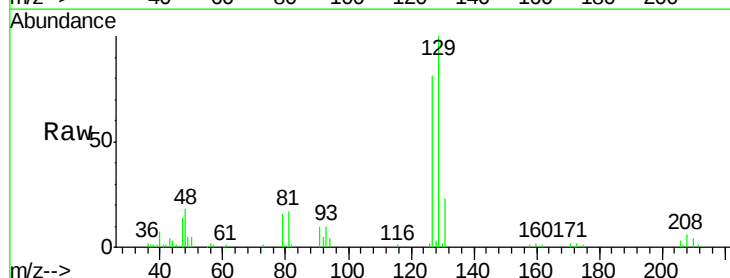
Manual Integrations
APPROVED

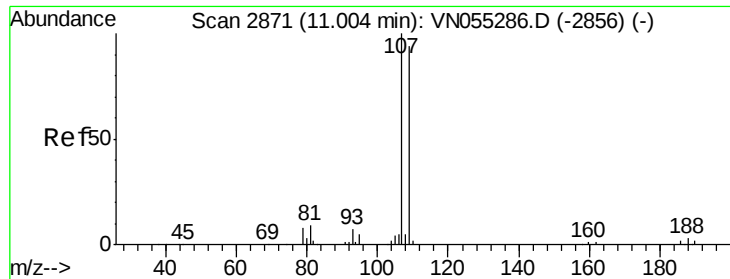
MMDadoda
5/1/2019 3:01:16 PM



#60
Dibromochloromethane
Concen: 19.743 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 129 Resp: 73759
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.161 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBS01

Tot Ion:107 Resp: 68116

Ion Ratio Lower Upper

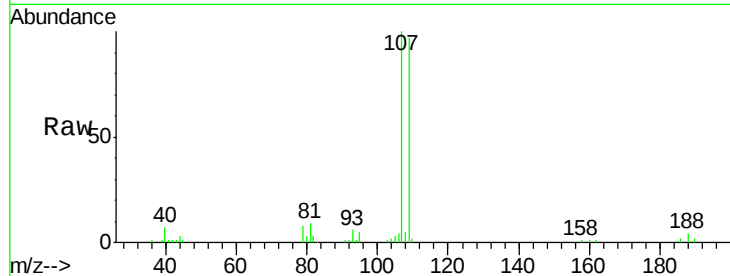
107 100

109 93.5 75.0 112.6

Manual Integrations
APPROVED

MMDadoda

5/1/2019 3:01:16 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

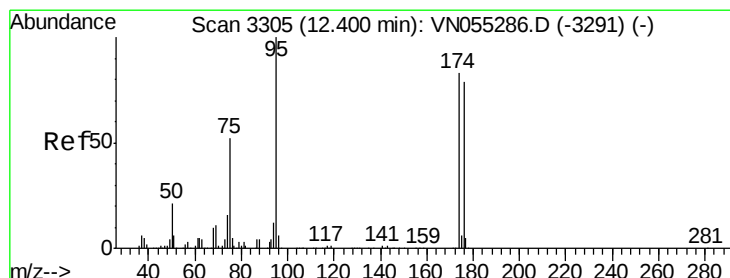
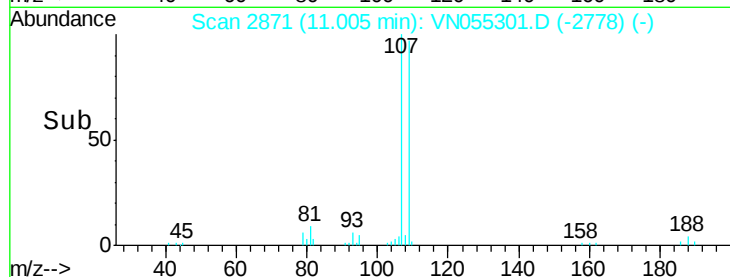
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.485 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

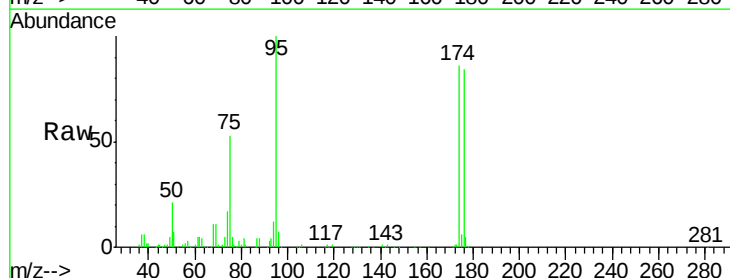
Tgt Ion: 95 Resp: 218210

Ion Ratio Lower Upper

95 100

174 82.9 0.0 166.6

176 82.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

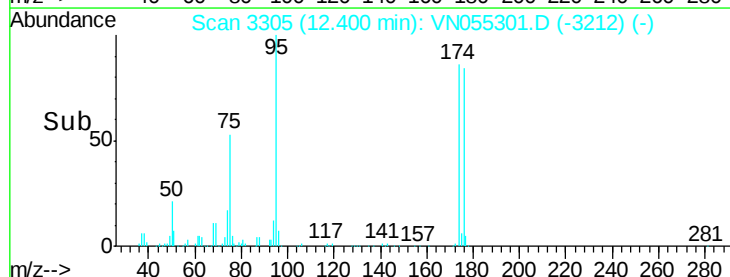
150000

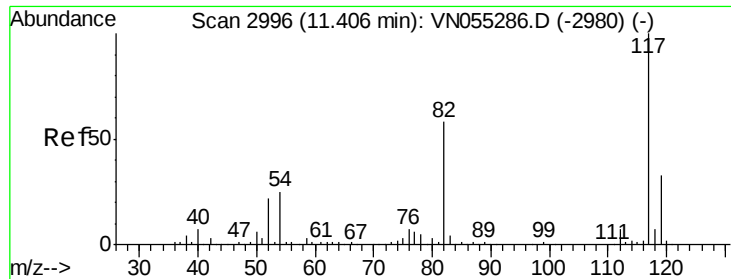
100000

50000

0

Time--> 12.30 12.40 12.50





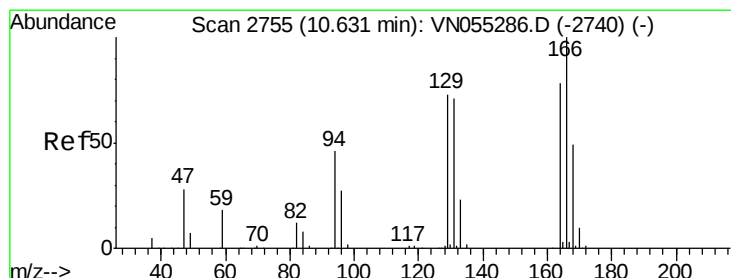
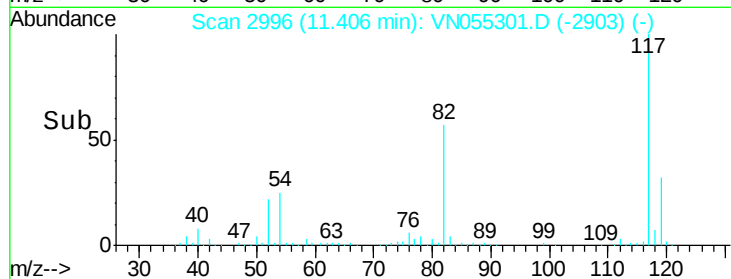
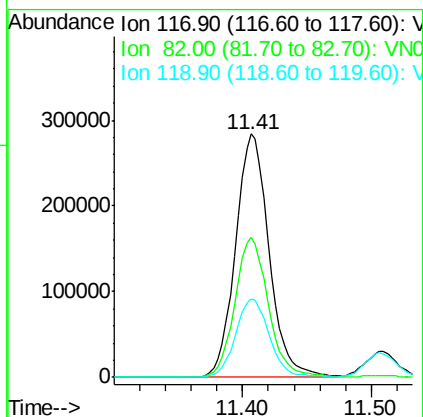
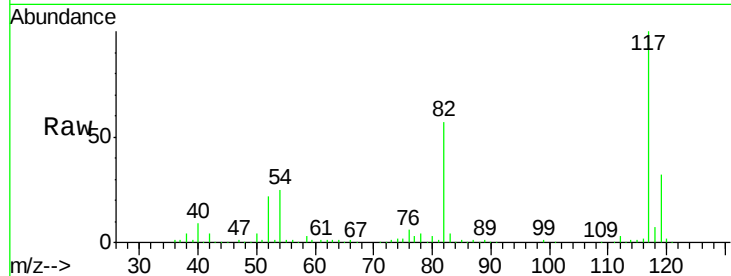
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.2	69.4
119	32.0	26.6	40.0

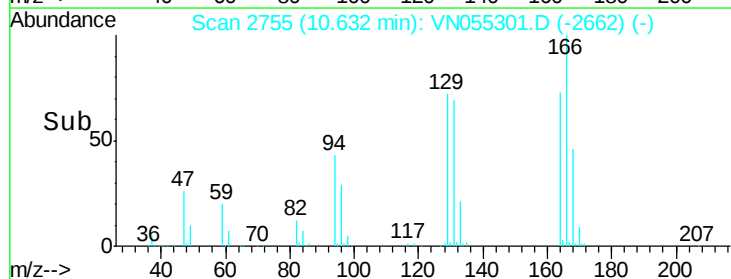
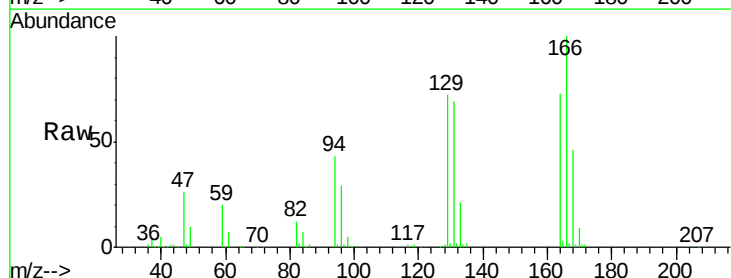
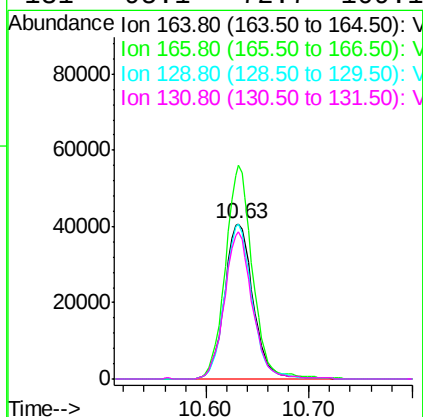
Manual Integrations
APPROVED

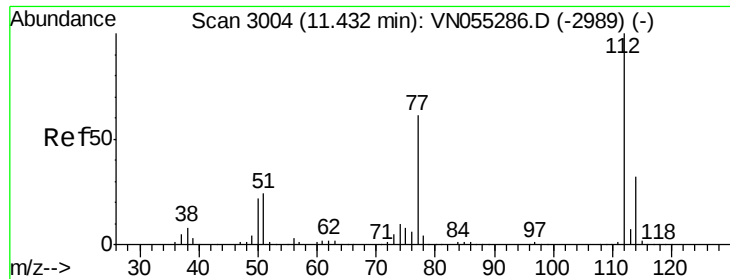
MMDadoda
5/1/2019 3:01:16 PM



#64
Tetrachloroethene
Concen: 18.709 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.6	102.3	153.5
129	99.7	75.0	112.6
131	95.1	72.7	109.1





#65

Chlorobenzene

Concen: 19.387 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion:112 Resp: 194888

Ion Ratio Lower Upper

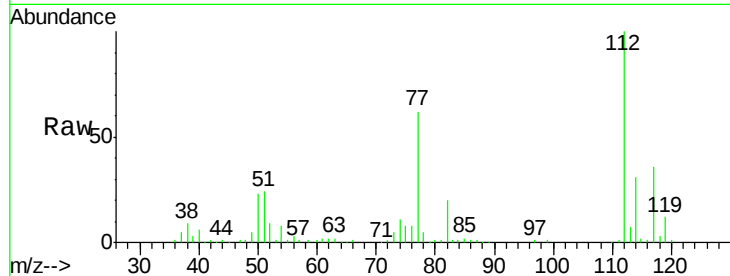
112 100

114 31.2 25.3 37.9

Manual Integrations
APPROVED

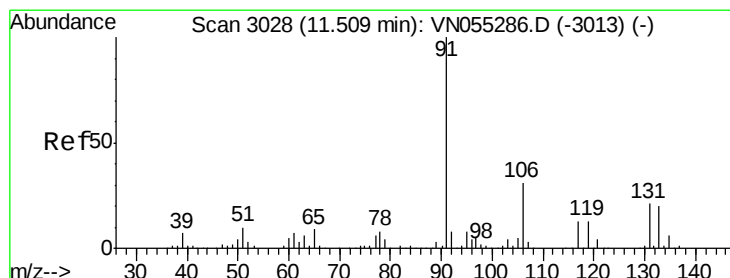
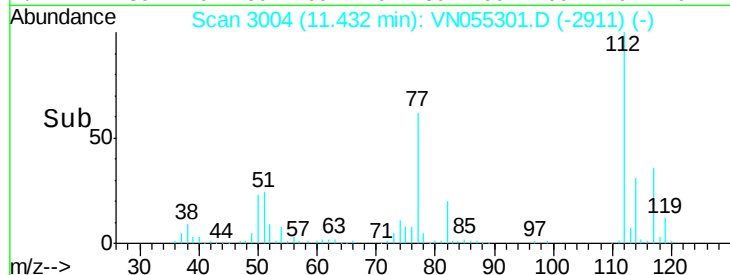
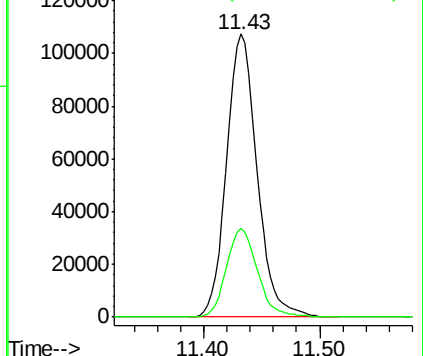
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.936 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

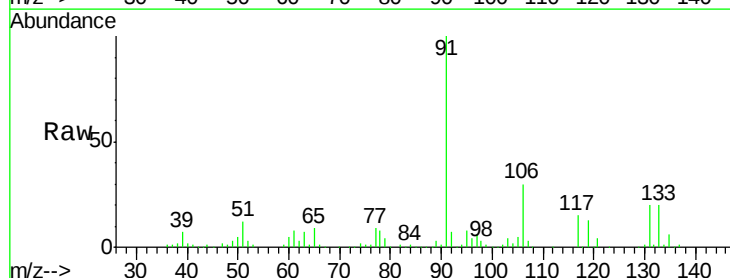
Tgt Ion:131 Resp: 74535

Ion Ratio Lower Upper

131 100

133 96.9 47.5 142.6

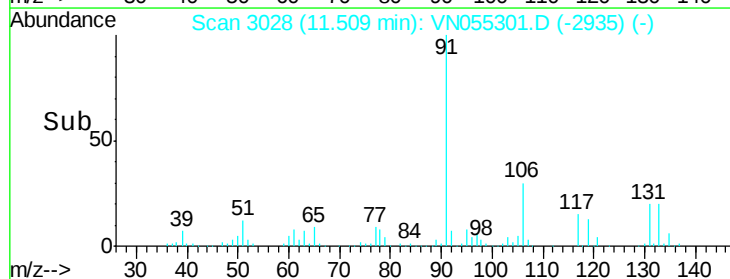
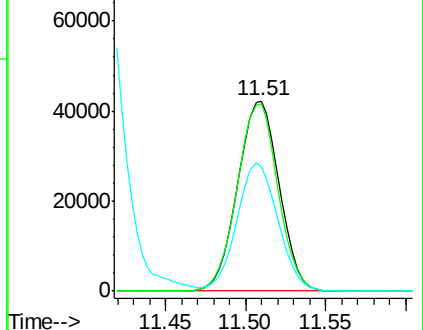
119 67.0 32.7 98.1

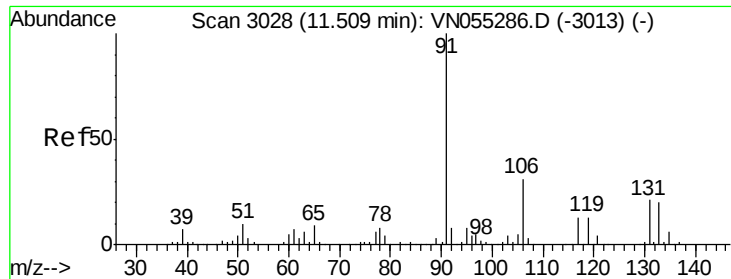


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





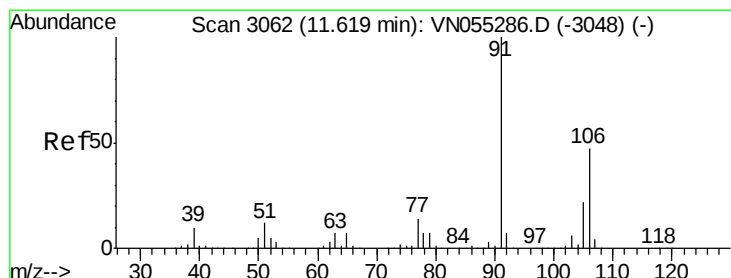
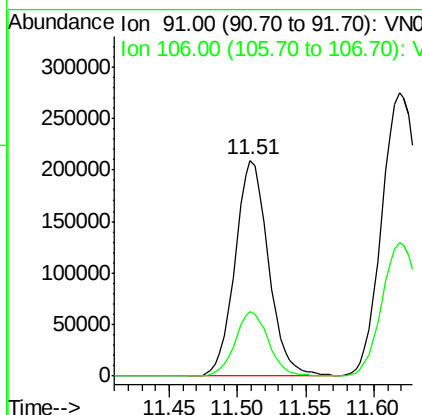
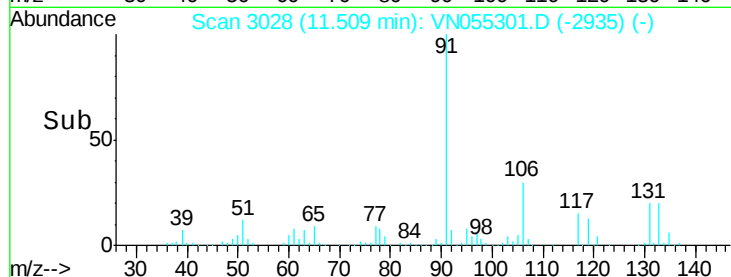
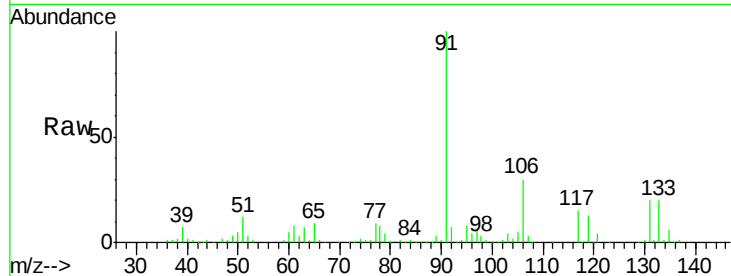
#67
Ethyl Benzene
Concen: 19.695 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0430WBS01

Tot Ion: 91 Resp: 357518
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8

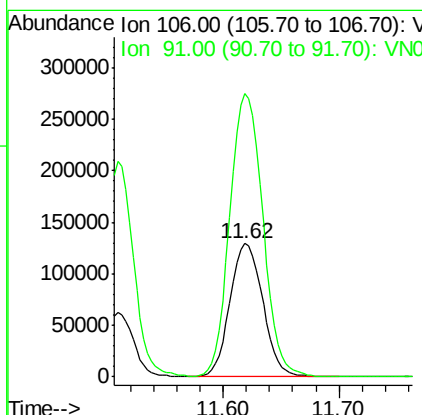
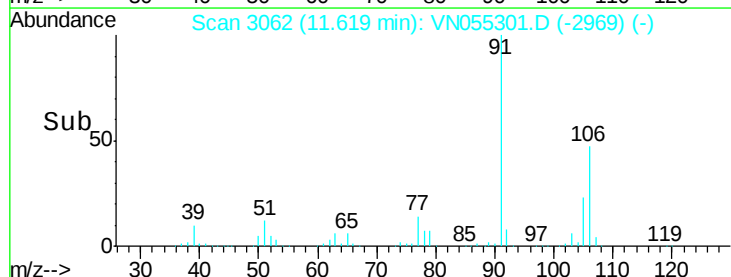
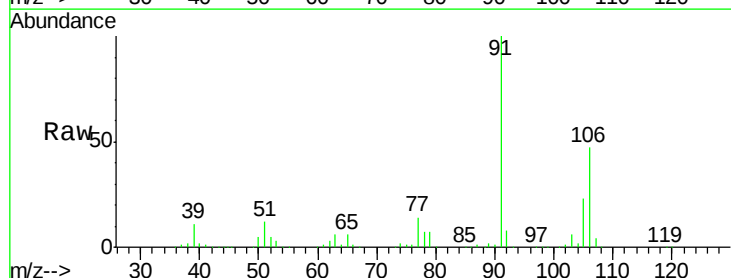
Manual Integrations
APPROVED

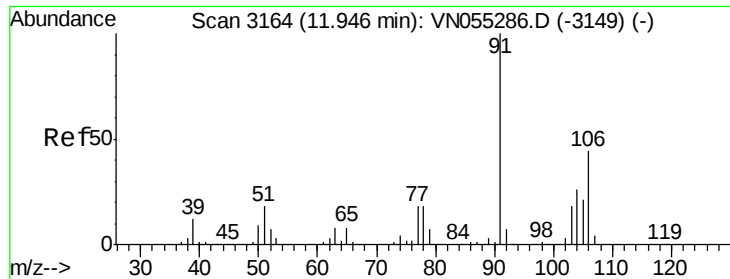
MMDadoda
5/1/2019 3:01:16 PM



#68
m/p-Xylenes
Concen: 39.491 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 106 Resp: 255880
Ion Ratio Lower Upper
106 100
91 212.7 169.5 254.3





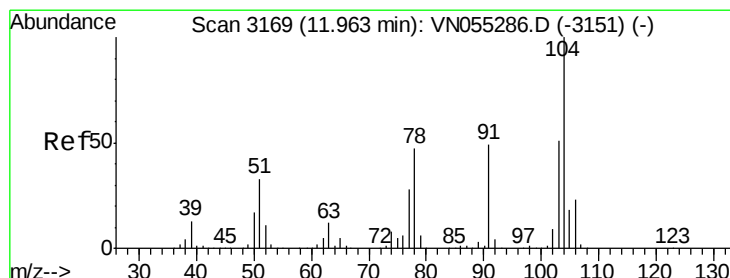
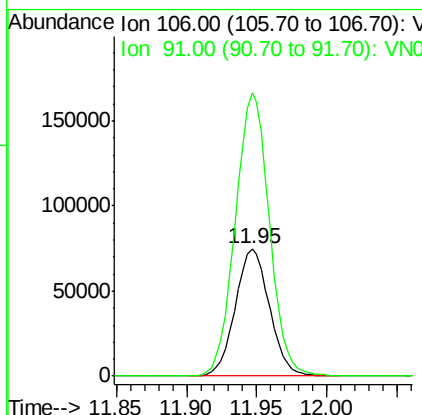
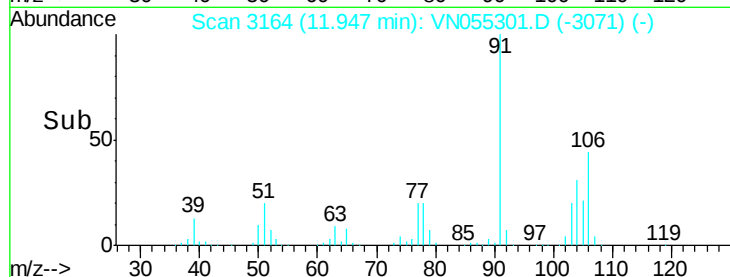
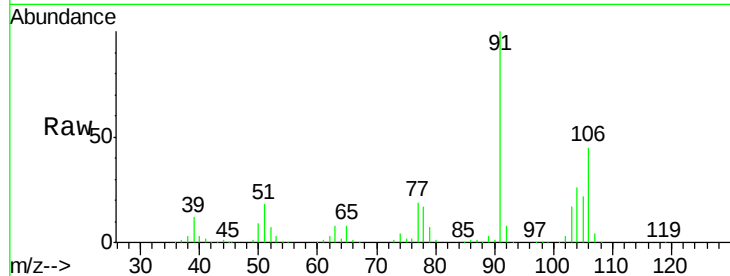
#69
o-Xylene
Concen: 19.787 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion:106 Resp: 127078
Ion Ratio Lower Upper
106 100
91 221.9 111.5 334.5

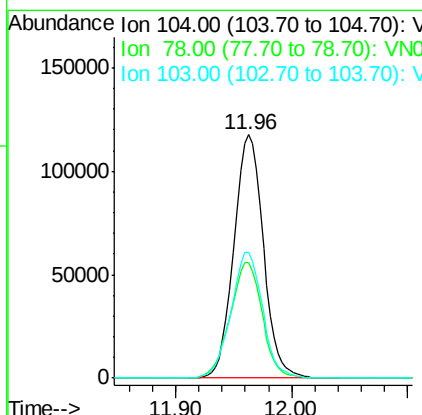
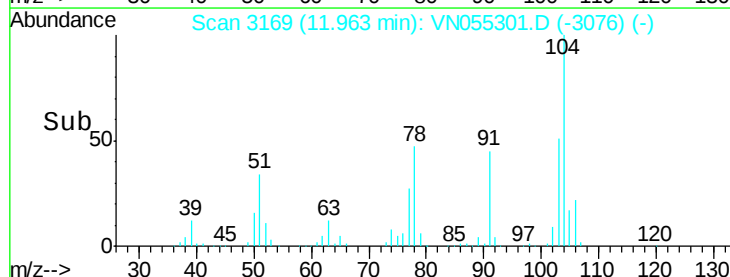
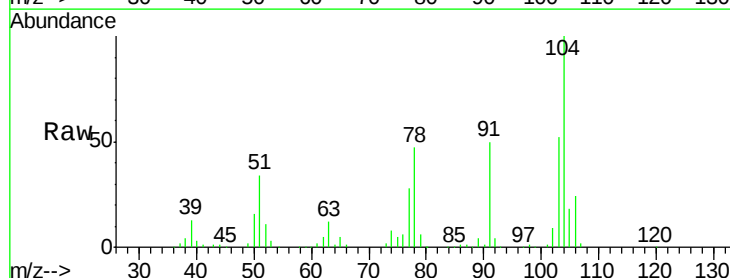
Manual Integrations
APPROVED

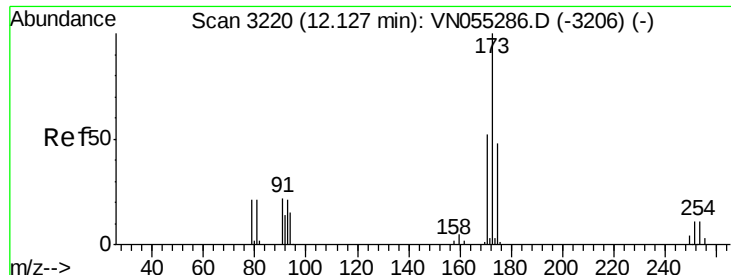
MMDadoda
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#70
Styrene
Concen: 20.984 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion:104 Resp: 206915
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.2
103 55.4 44.6 67.0





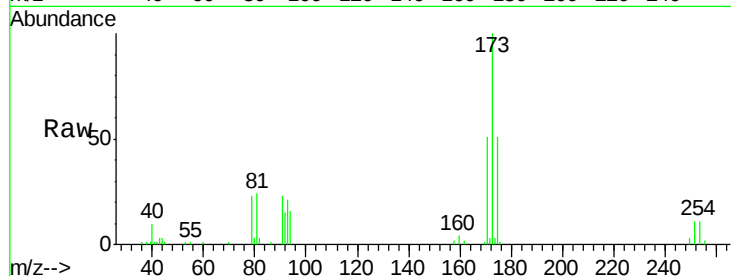
#71
Bromoform
Concen: 20.403 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

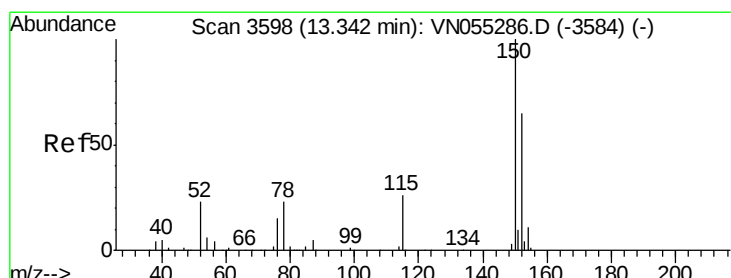
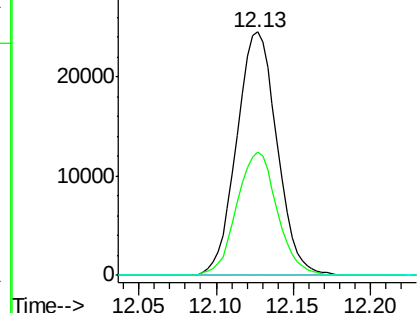
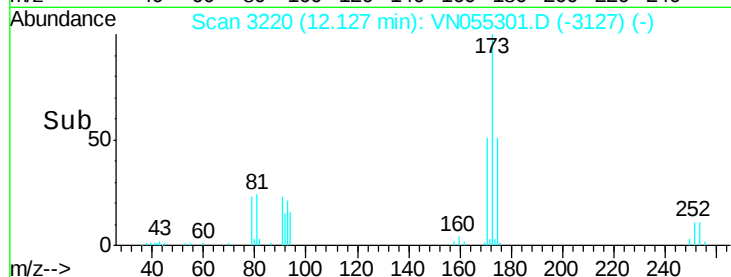
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
5/1/2019 3:01:16 PM

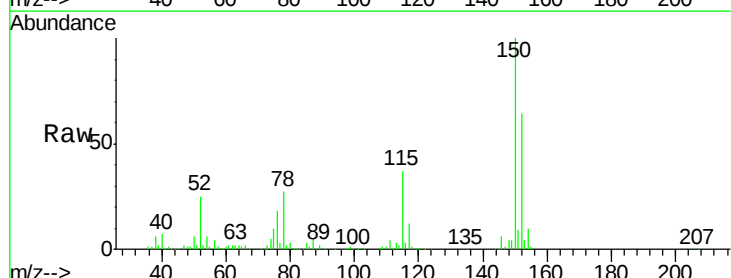


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

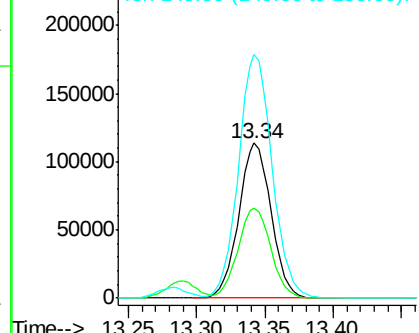
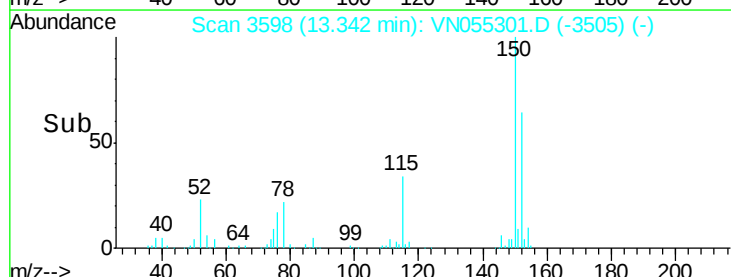


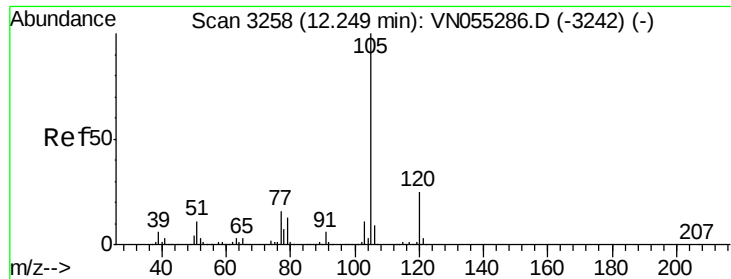
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	163.3	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: 21.302 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 105 Resp: 343711

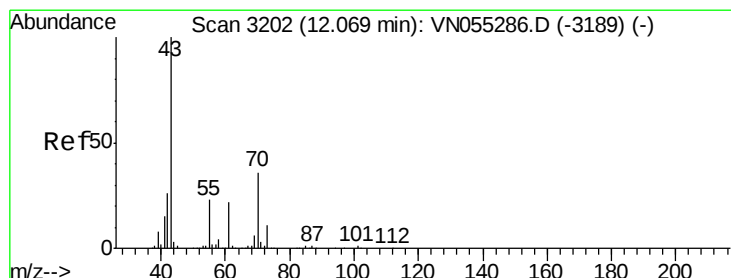
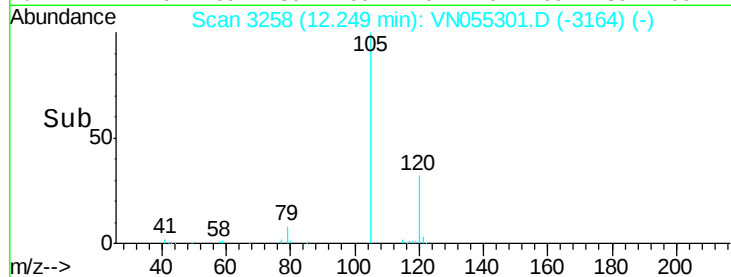
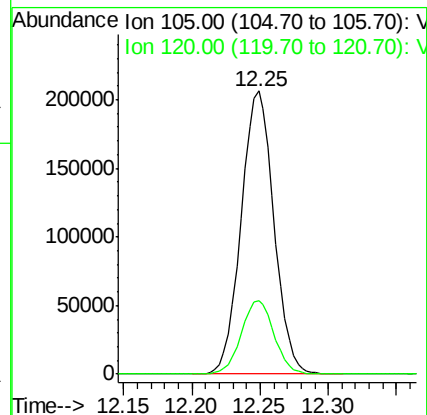
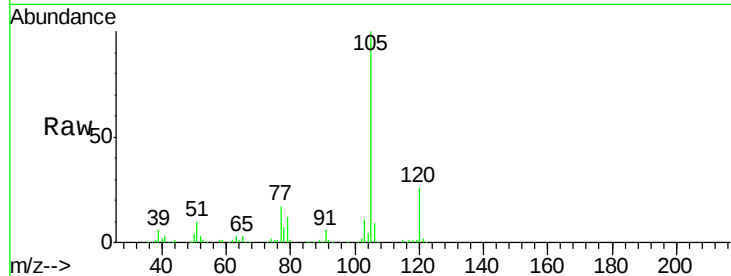
Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7

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#74

N-ethyl acetate

Concen: 20.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion: 43 Resp: 97874

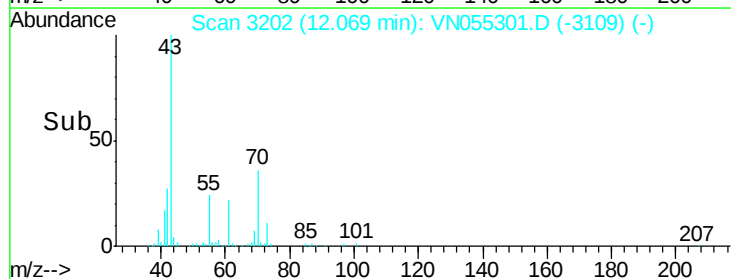
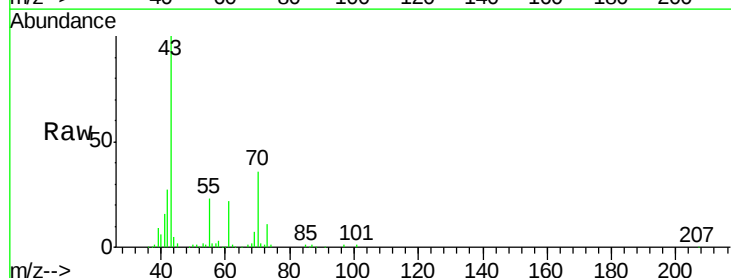
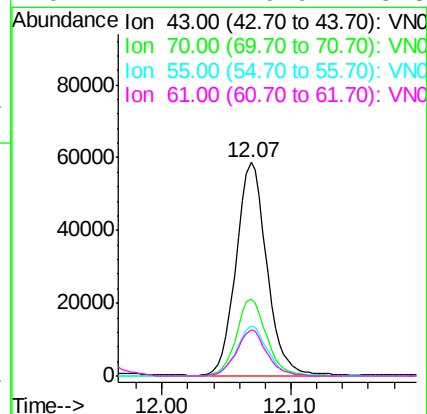
Ion Ratio Lower Upper

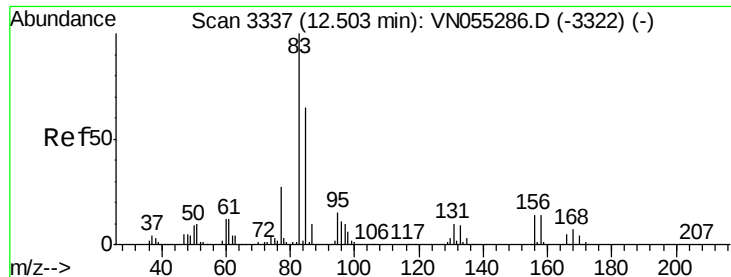
43 100

70 34.8 27.9 41.9

55 23.3 18.2 27.2

61 21.1 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.290 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

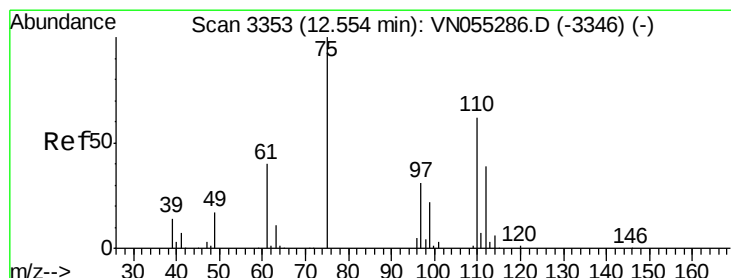
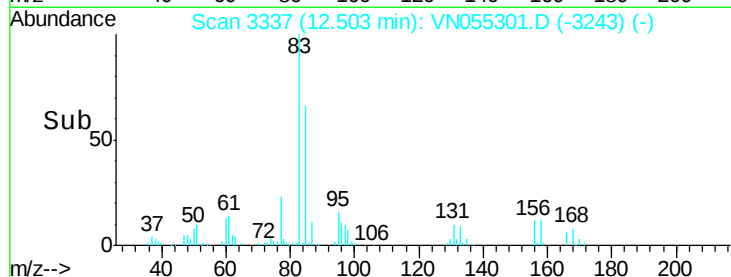
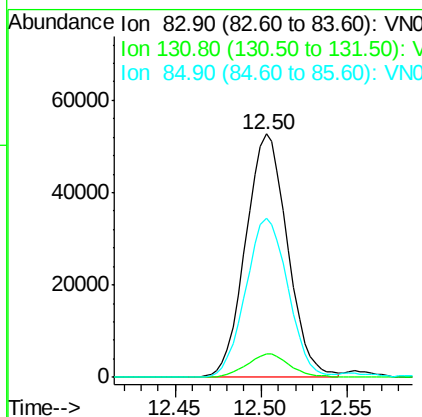
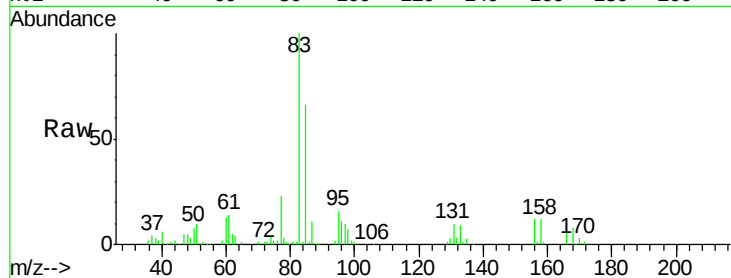
ClientSampleId :

VN0430WBS01

Tot Ion:	83	Resp:	89051
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	66.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.541 ug/l m

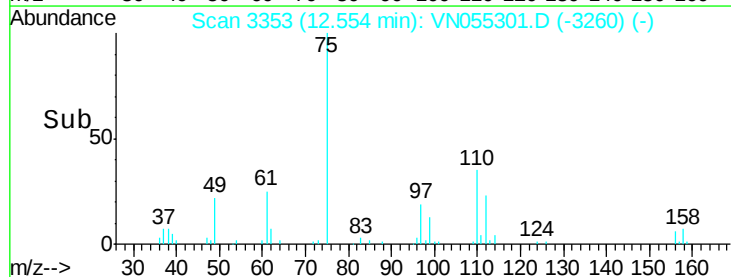
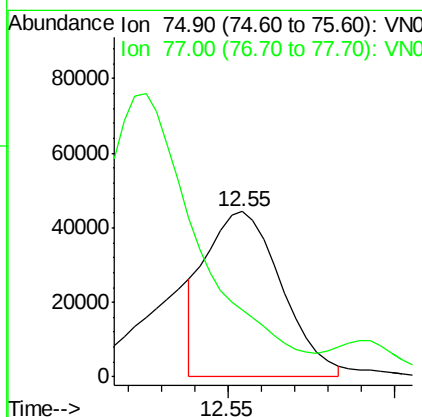
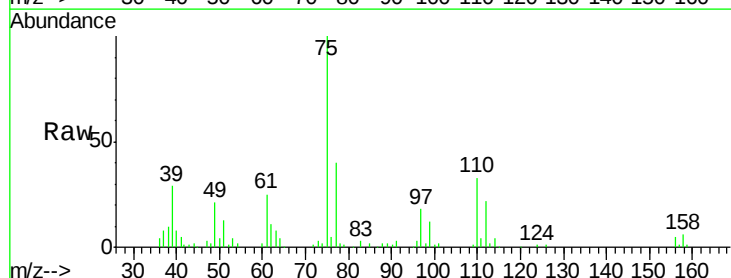
RT: 12.55 min Scan# 3353

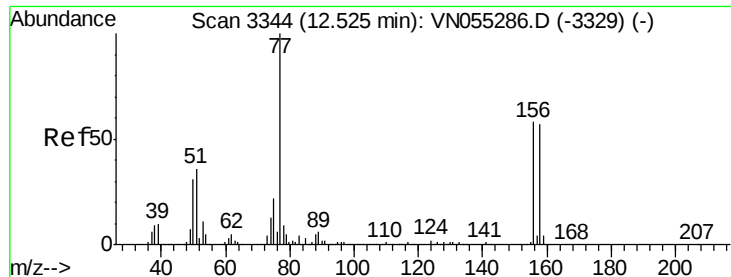
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	75	Resp:	69902
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.201 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

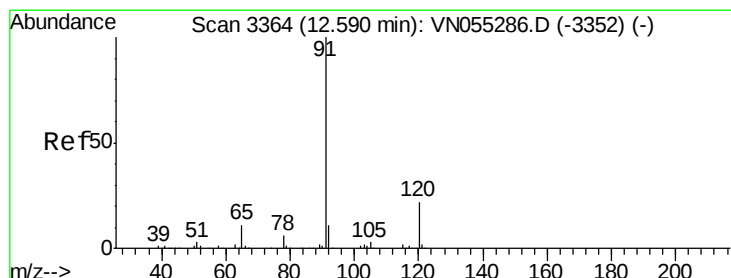
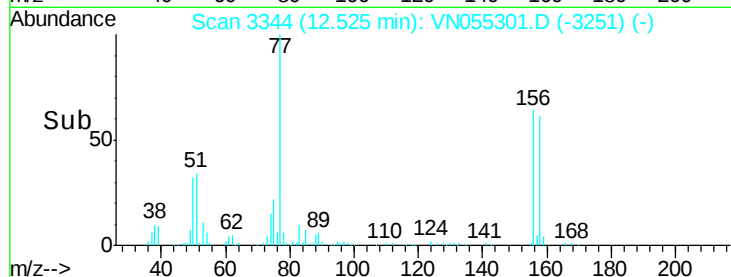
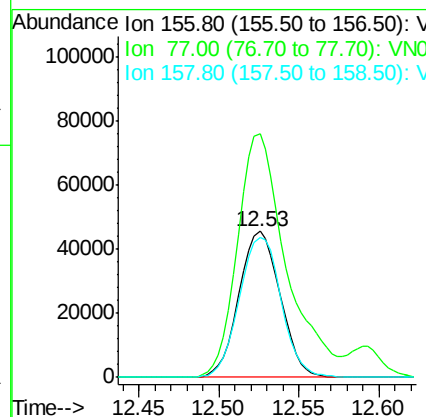
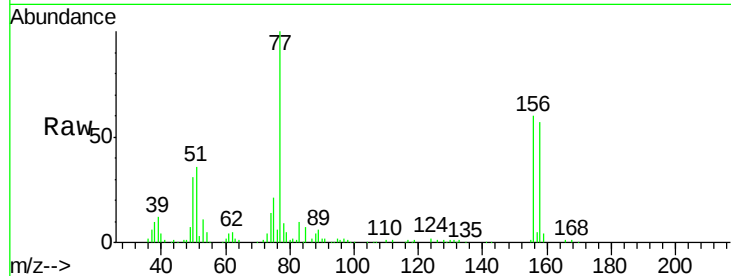
ClientSampled :

VN0430WBS01

Tot Ion:	156	Resp:	80105
Ion	Ratio	Lower	Upper
156	100		
77	198.5	99.6	298.8
158	97.8	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.003 ug/l

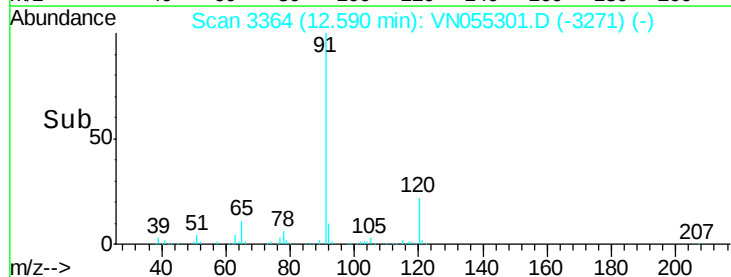
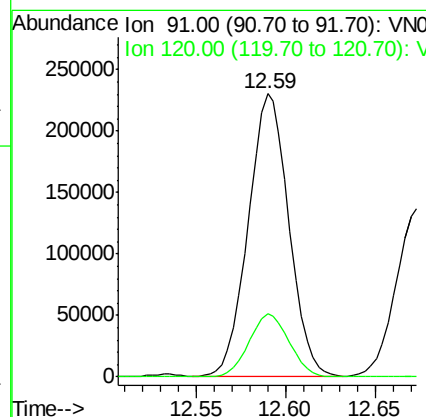
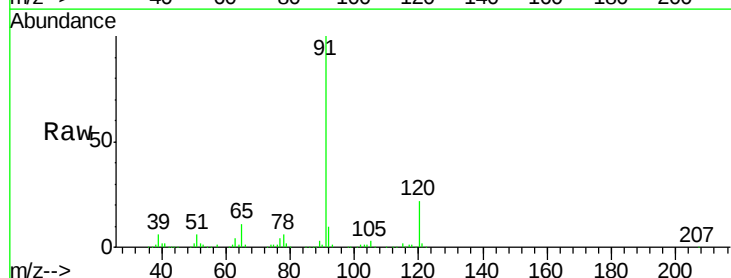
RT: 12.59 min Scan# 3364

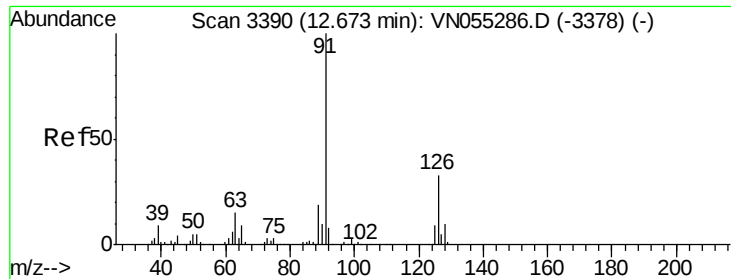
Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:	91	Resp:	364756
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.956 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion: 91 Resp: 227884

Ion Ratio Lower Upper

91 100

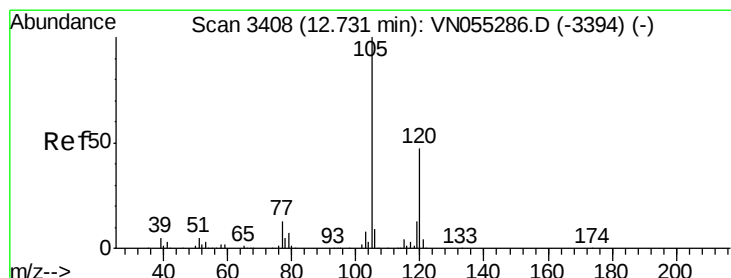
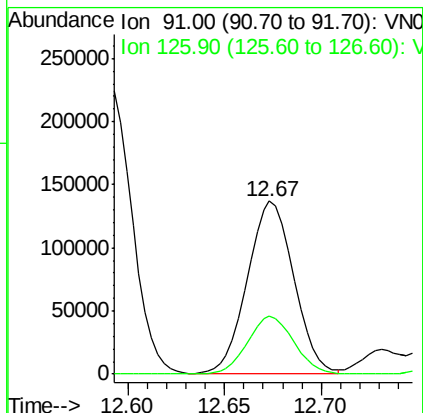
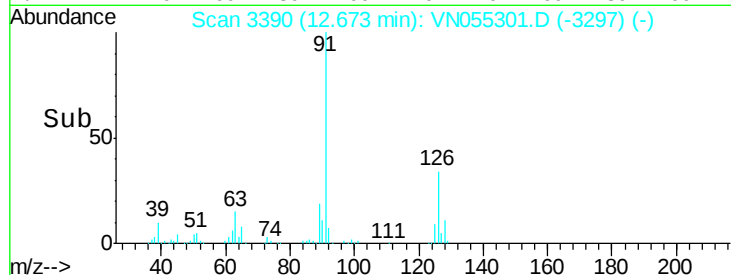
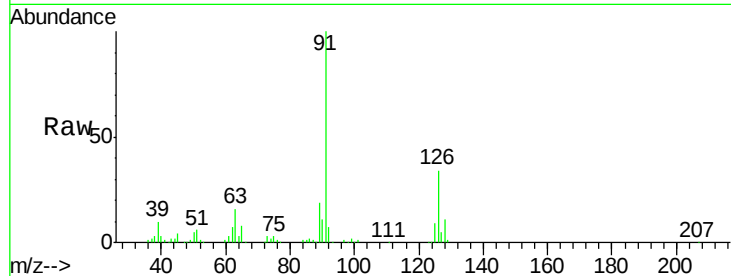
126 33.8 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.717 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055301.D

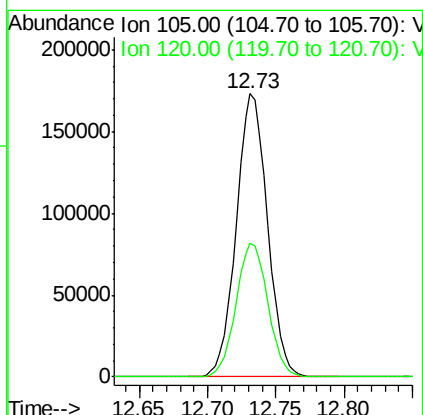
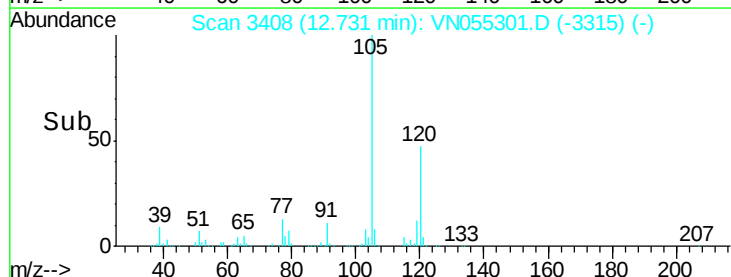
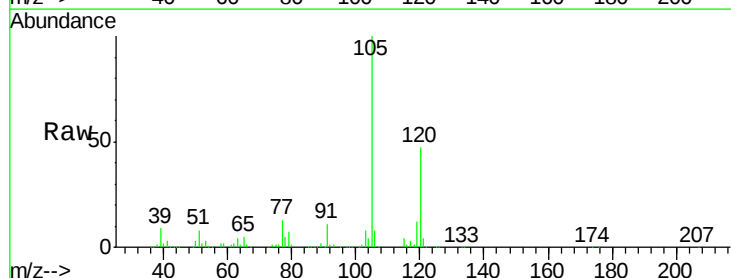
Acq: 30 Apr 2019 12:13

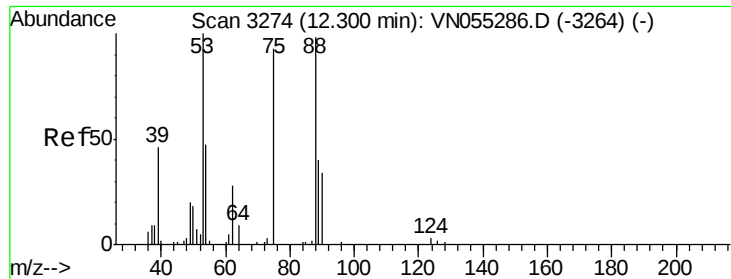
Tgt Ion: 105 Resp: 274199

Ion Ratio Lower Upper

105 100

120 48.2 23.4 70.0





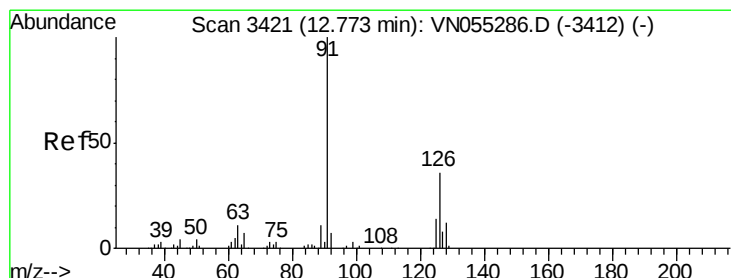
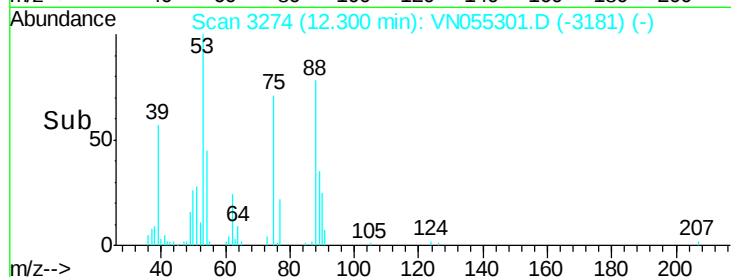
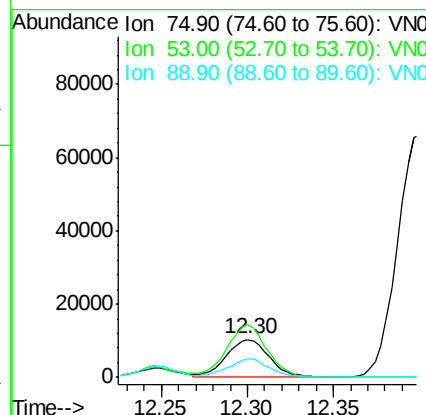
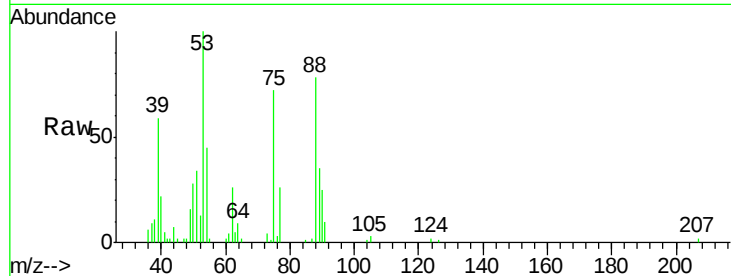
#81
trans-1,4-Dichloro-2-butene
Concen: 18.410 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion: 75 Resp: 18153
Ion Ratio Lower Upper
75 100
53 130.1 86.3 129.5#
89 46.6 34.6 51.8

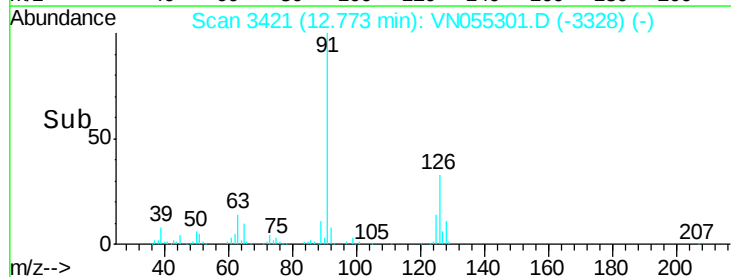
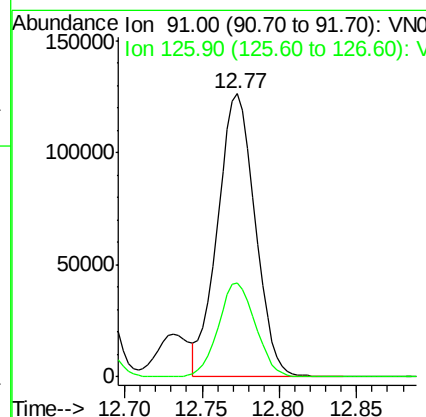
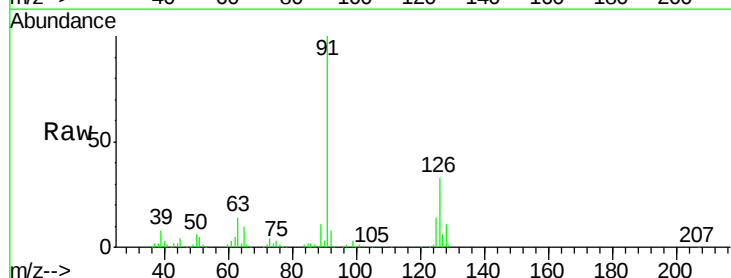
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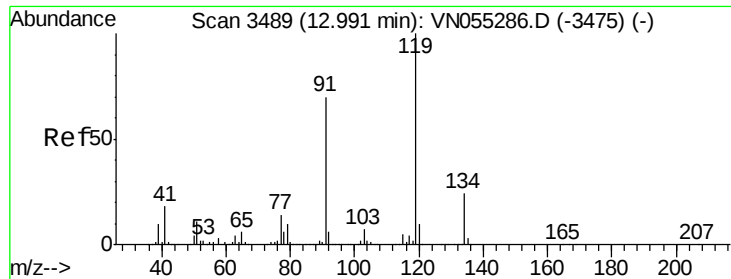
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.034 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion: 91 Resp: 212428
Ion Ratio Lower Upper
91 100
126 33.1 16.6 49.7





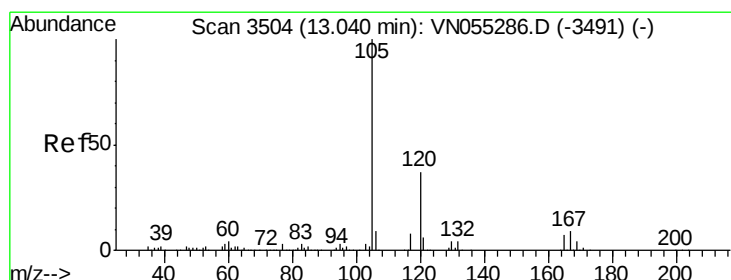
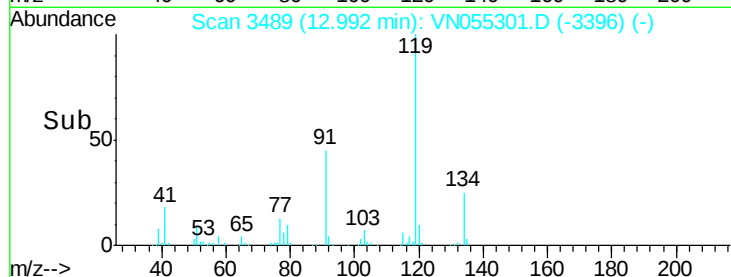
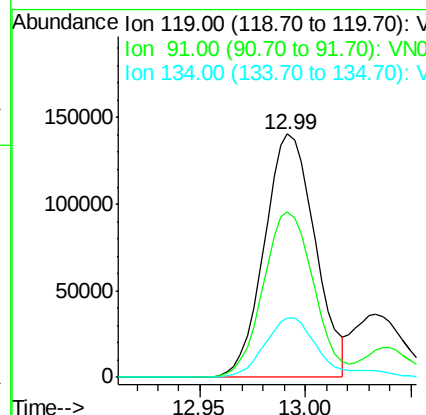
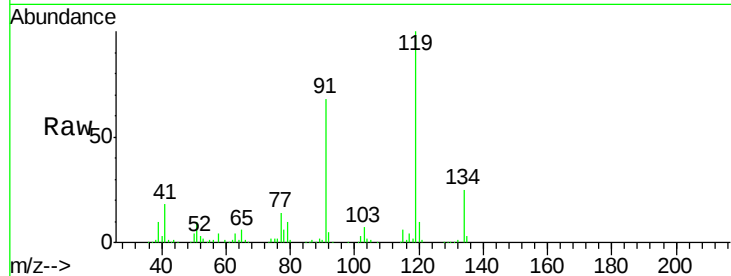
#83
tert-Butylbenzene
Concen: 21.063 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235871		
91	67.5	34.3	102.9	
134	24.9	13.1	39.3	

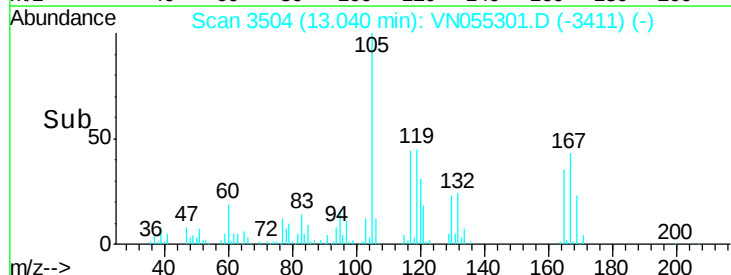
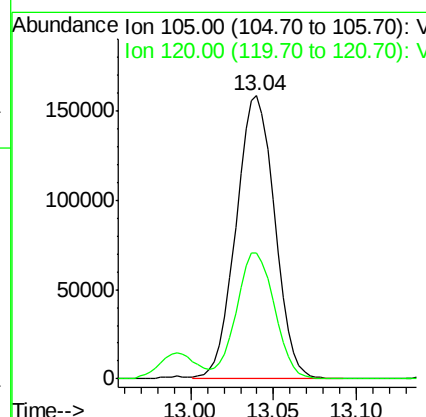
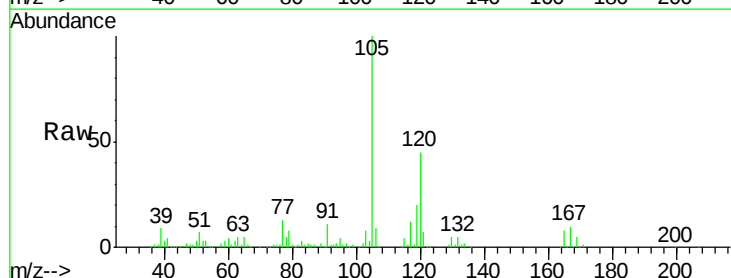
Manual Integrations
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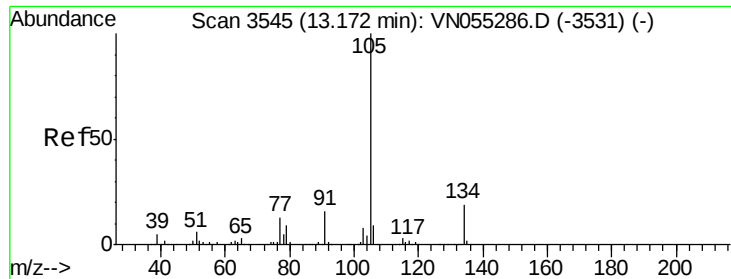
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5/1/2019 3:01:16 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.545 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	256080		
120	44.4	22.1	66.5	





#85

sec-Butylbenzene

Concen: 18.952 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0430WBS01

Tot Ion:105 Resp: 301768

Ion Ratio Lower Upper

105 100

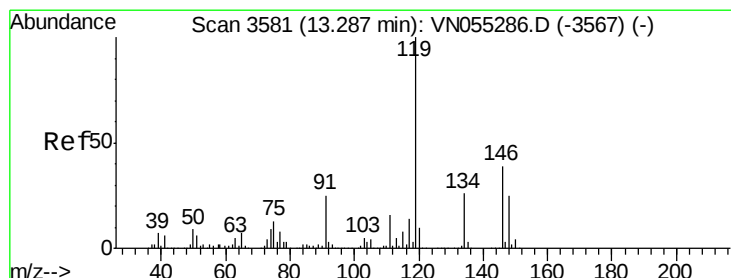
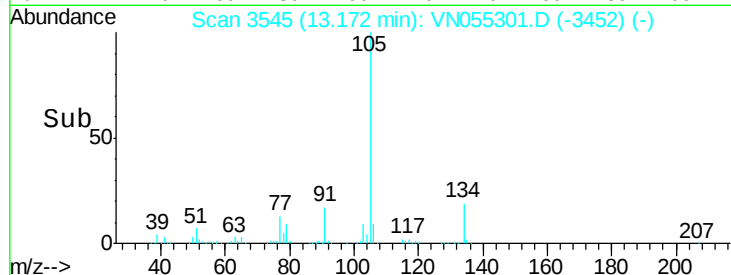
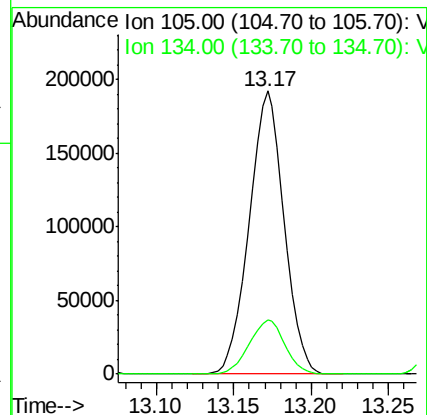
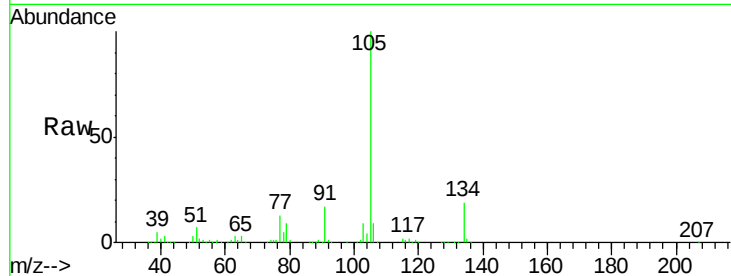
134 19.6 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.868 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

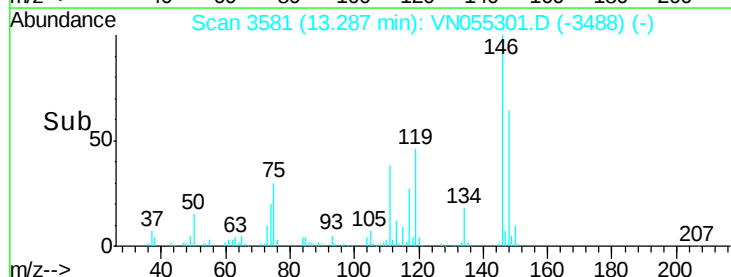
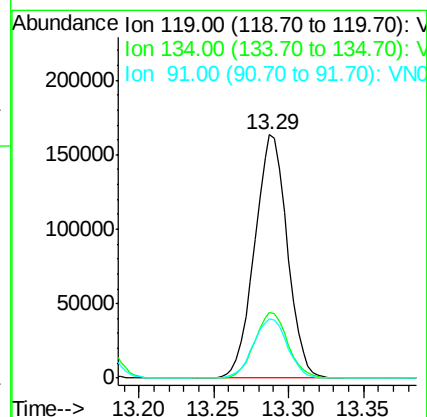
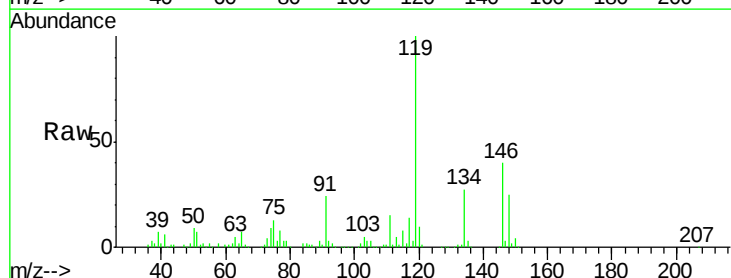
Tgt Ion:119 Resp: 246921

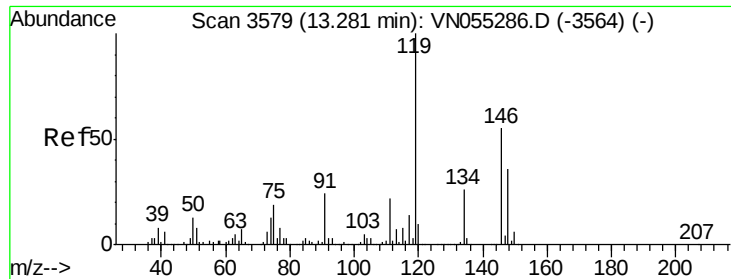
Ion Ratio Lower Upper

119 100

134 27.5 13.0 38.9

91 25.5 12.2 36.6





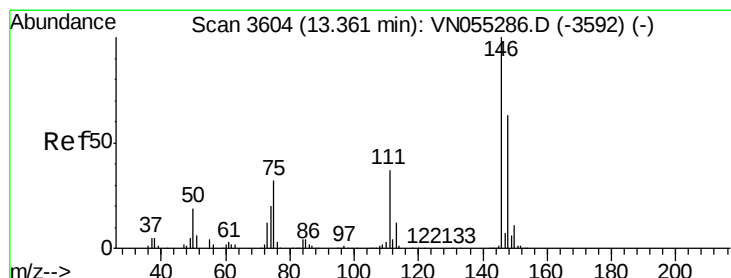
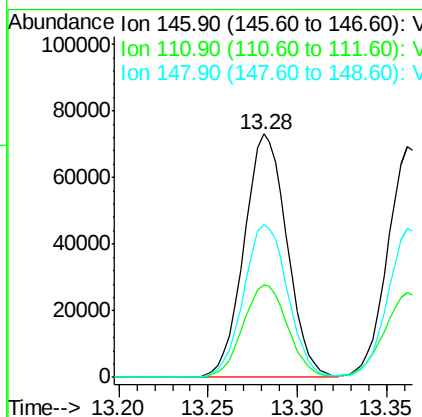
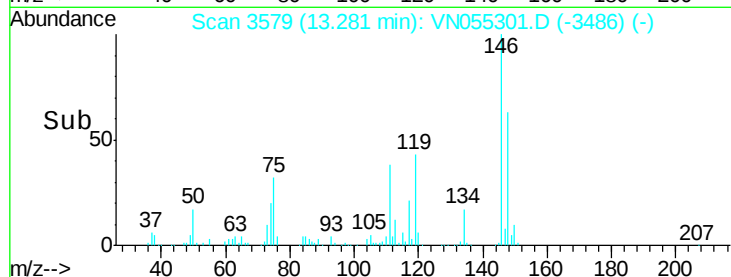
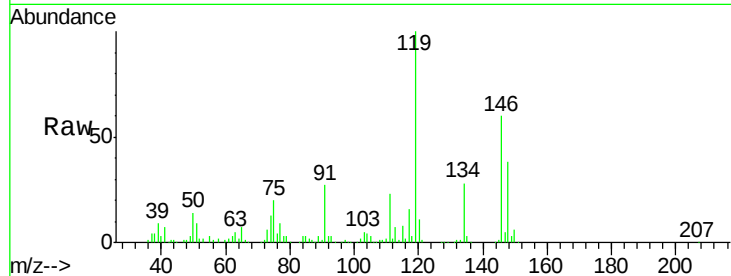
#87
 1,3-Dichlorobenzene
 Concen: 19.628 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122731		
111	39.4	20.3	60.8	
148	64.5	32.5	97.5	

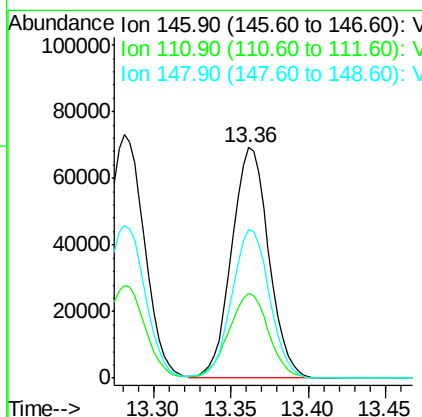
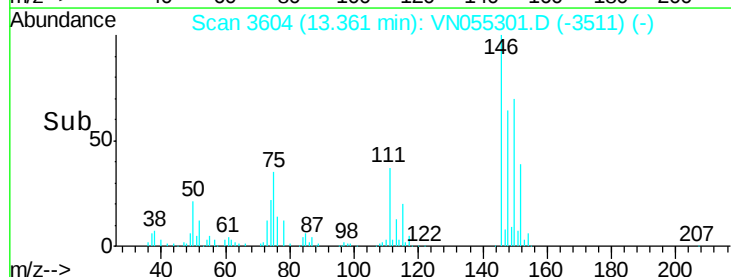
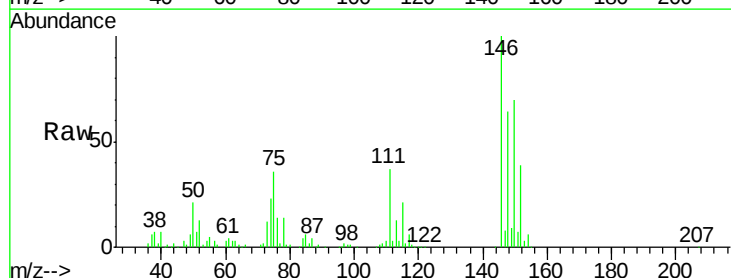
Manual Integrations
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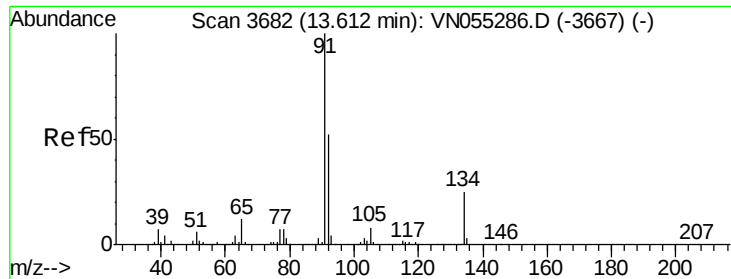
MMDadoda
 5/1/2019 3:01:16 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.612 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115484		
111	39.4	19.5	58.5	
148	65.3	32.5	97.4	





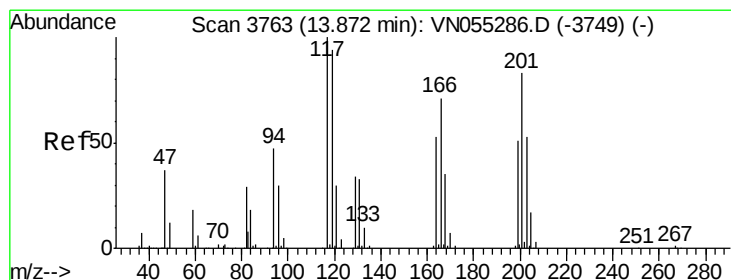
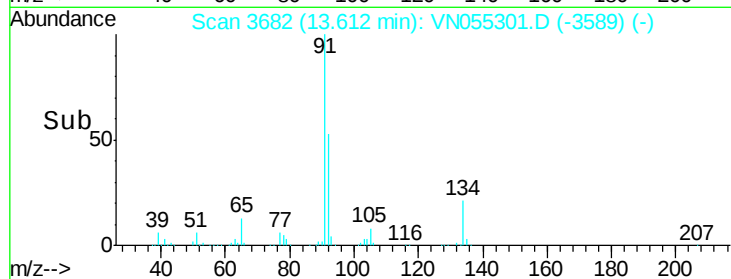
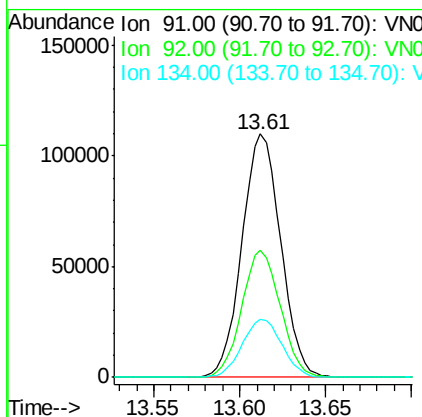
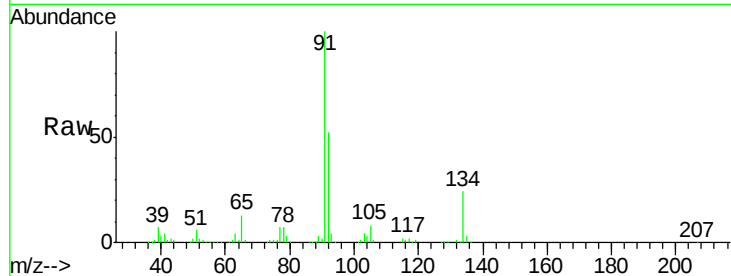
#89
n-Butylbenzene
Concen: 18.478 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	24.5	12.4	37.4

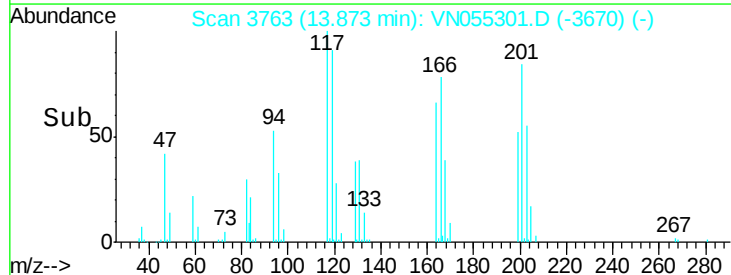
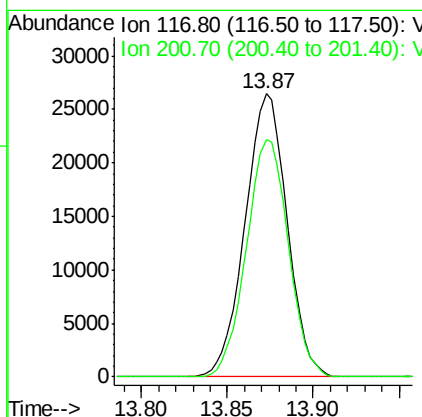
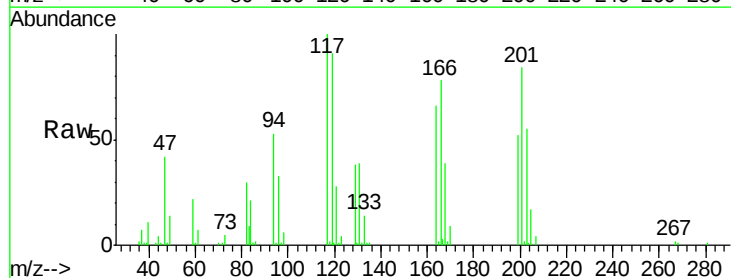
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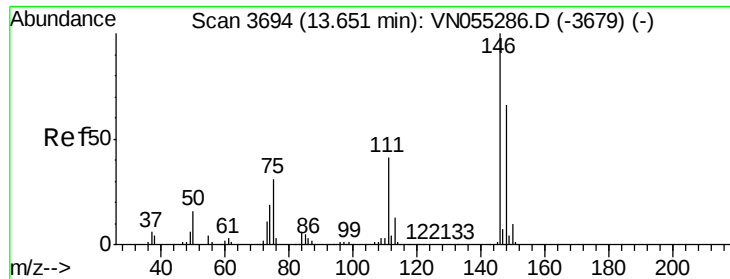
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#90
Hexachloroethane
Concen: 20.667 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055301.D
Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.9	125.8





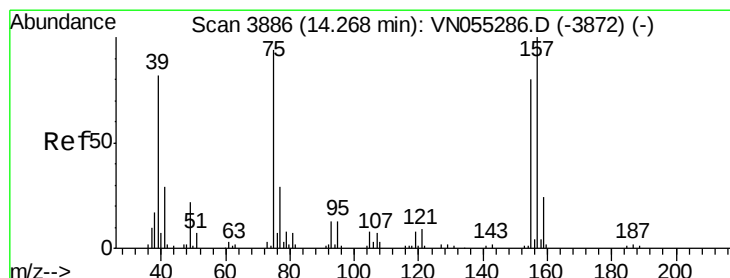
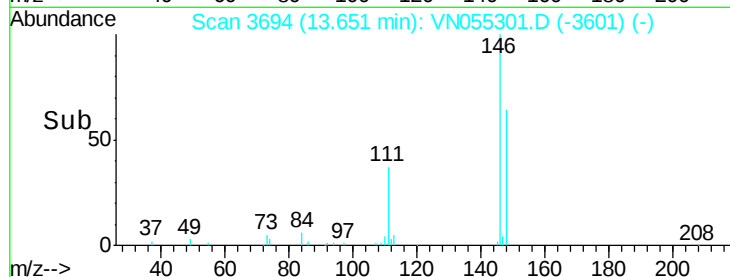
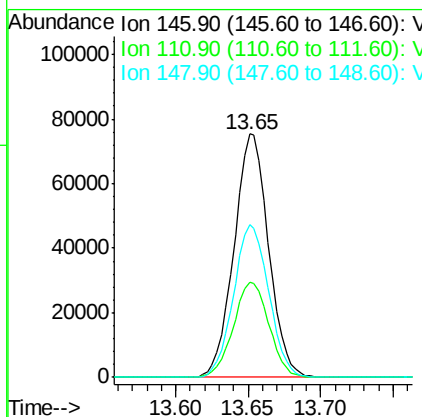
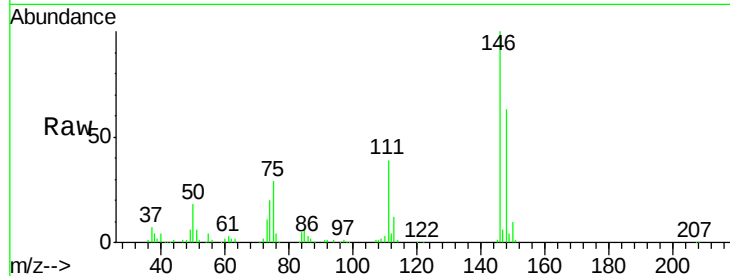
#91
 1,2-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	61.0
148	63.9	32.4	97.2

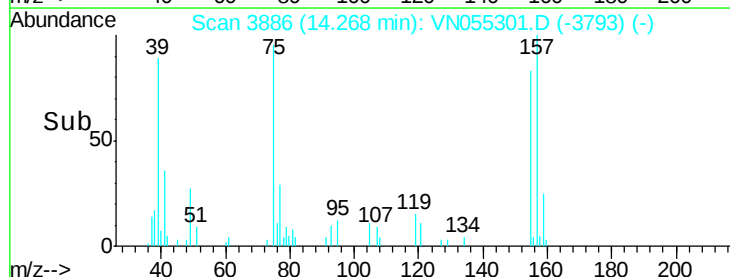
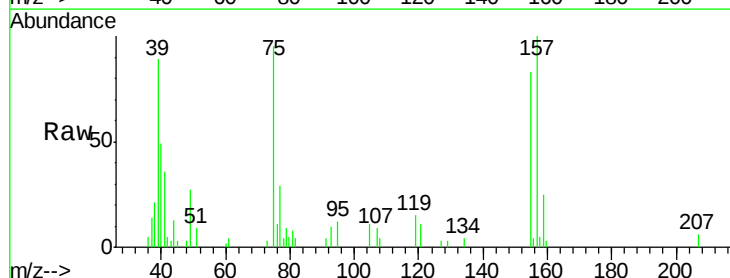
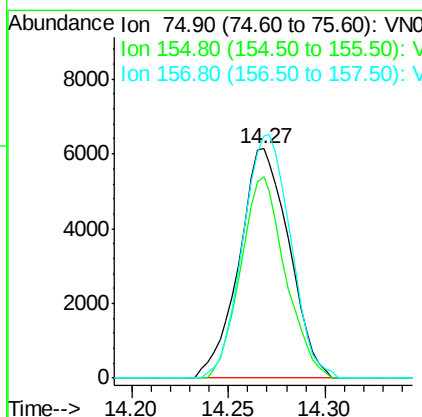
Manual Integrations
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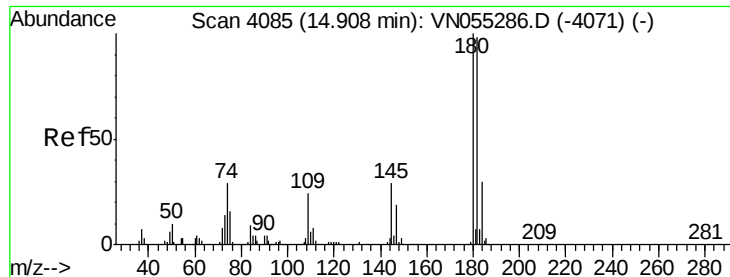
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.422 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	41.5	124.6
157	101.5	54.0	162.2





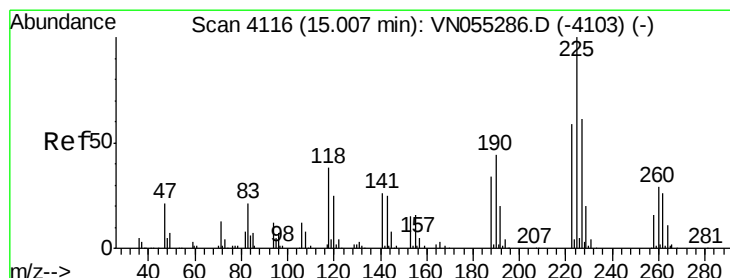
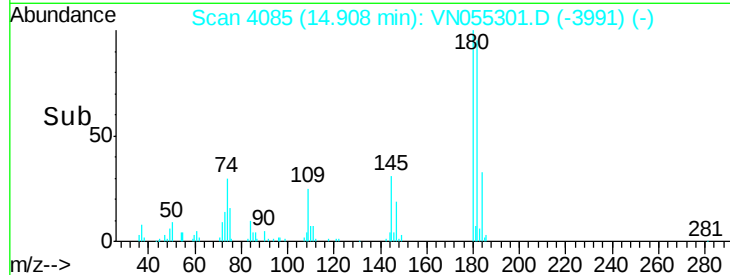
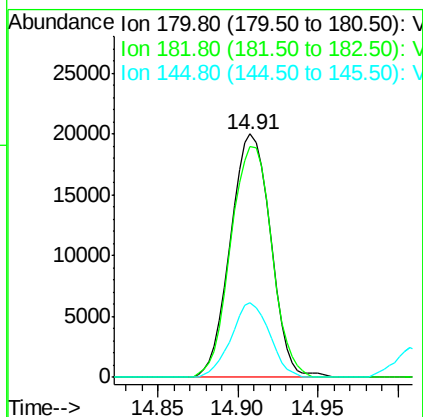
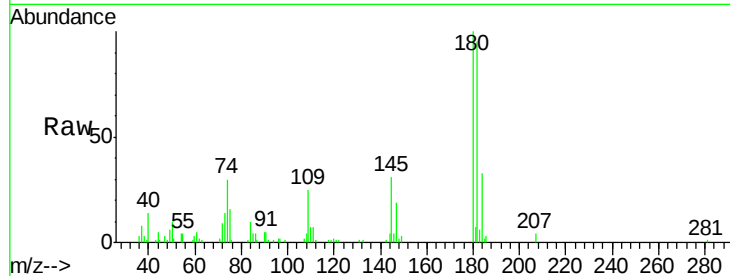
#93
 1,2,4-Trichlorobenzene
 Concen: 16.422 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0430WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.3	144.9
145	29.4	14.2	42.6

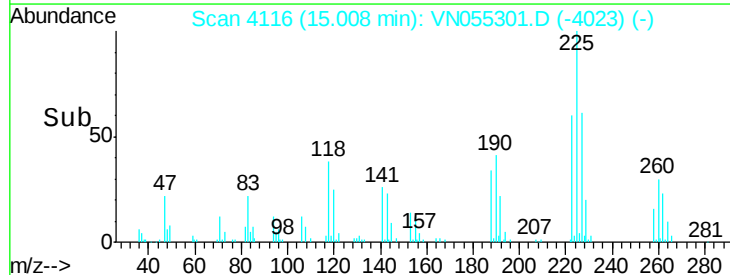
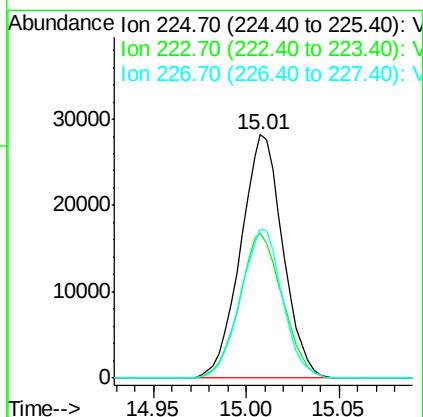
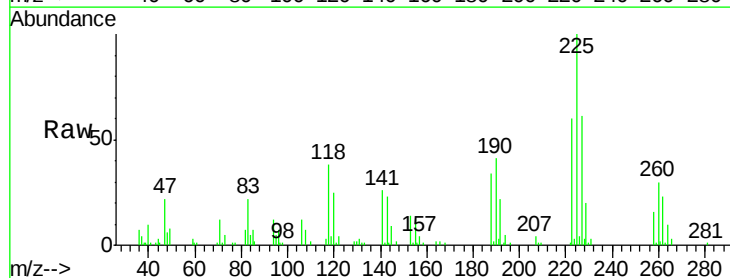
Manual Integrations
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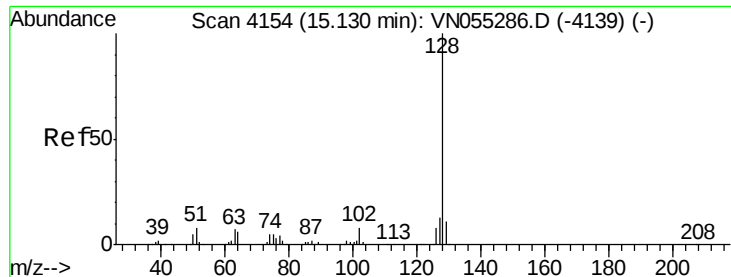
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#94
 Hexachlorobutadiene
 Concen: 22.266 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055301.D
 Acq: 30 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.3	90.8
227	60.8	30.9	92.7





#95

Naphthalene

Concen: 16.391 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Instrument :

MSVOA_N

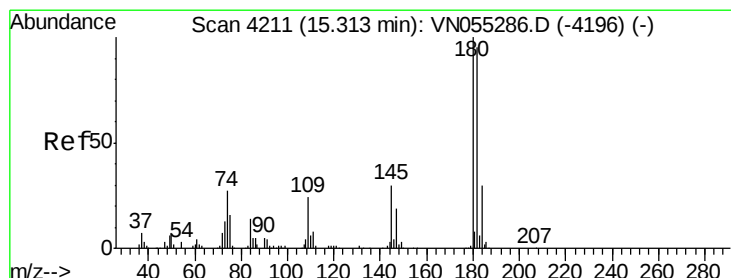
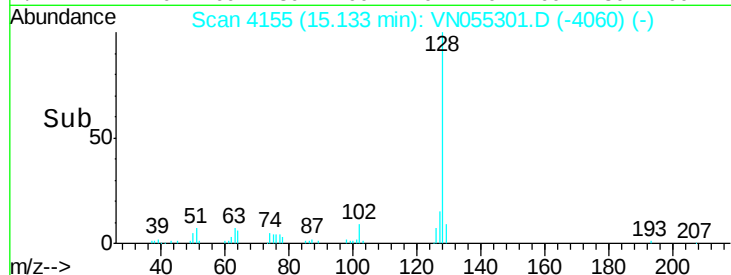
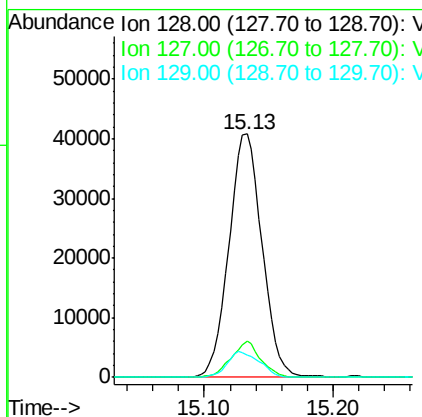
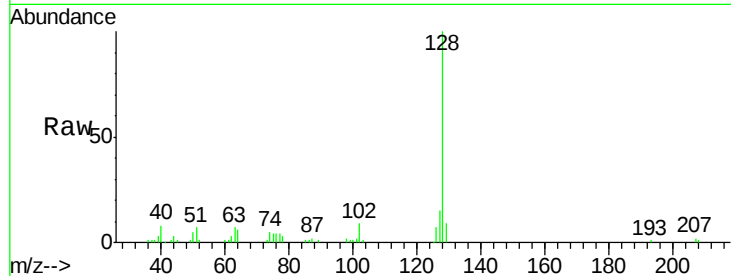
ClientSampleId :

VN0430WBS01

Tot Ion:128	Resp:	72684
Ion Ratio	Lower	Upper
128 100		
127 13.3	10.7	16.1
129 10.2	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.033 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055301.D

Acq: 30 Apr 2019 12:13

Tgt Ion:180	Resp:	36611
Ion Ratio	Lower	Upper
180 100		
182 99.2	48.3	144.9
145 30.9	15.2	45.6

