

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055259.D
 Acq On : 25 Apr 2019 22:38
 Operator : JC/SP
 Sample : VN0426WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:58:15 AM

Quant Time: Apr 26 05:38:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68934	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	375828	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319653	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	160674	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	142201	28.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.60%
63) Toluene-d8	10.09	98	456129	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72870	19.383	ug/l 99
3) Chloromethane	2.06	50	104916	19.955	ug/l 95
4) Vinyl Chloride	2.19	62	88750	20.712	ug/l 98
5) Bromomethane	2.56	94	50387	21.107	ug/l 99
6) Chloroethane	2.70	64	49731	20.834	ug/l 100
7) Trichlorofluoromethane	3.02	101	128440	20.389	ug/l 98
8) Diethyl Ether	3.41	74	52101	20.374	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79579	19.848	ug/l 98
10) 1,1-Dichloroethene	3.74	96	76379	20.462	ug/l 95
11) Methyl Iodide	3.95	142	114125	19.442	ug/l 96
12) Methyl Acetate	4.33	43	106709	19.696	ug/l 92
13) Acrolein	3.61	56	21125	87.651	ug/l # 45
14) Acrylonitrile	4.99	53	187651	97.512	ug/l 99
15) Acetone	3.82	58	40560	87.489	ug/l 97
16) Carbon Disulfide	4.06	76	196286	19.347	ug/l 100
17) Allyl chloride	4.33	41	147843	18.392	ug/l 98
18) Methylene Chloride	4.56	84	93402	20.155	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	84493	20.776	ug/l 96
20) Diisopropyl ether	5.95	45	339372	20.708	ug/l 97
21) 1,1-Dichloroethane	5.85	63	174023	20.434	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	98278	20.859	ug/l 93
23) tert-Butyl Alcohol	4.79	59	36399	92.646	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	244859	20.130	ug/l 100
25) Chloroform	7.37	83	166942	20.861	ug/l 95
26) Cyclohexane	7.65	56	147741	19.975	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	118618	19.915	ug/l 99
30) 2-Butanone	6.84	43	224635	93.062	ug/l 100
31) 2,2-Dichloropropane	6.83	77	102635	18.193	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	134530	20.318	ug/l 100
33) Carbon Tetrachloride	7.77	117	112608	20.397	ug/l 97
34) Benzene	8.04	78	364789	20.457	ug/l 98
35) Methacrylonitrile	7.19	41	55441m	19.915	ug/l
36) 1,2-Dichloroethane	8.13	62	128685	20.230	ug/l 100
37) Trichloroethene	8.84	130	89883	19.972	ug/l 97
38) Methylcyclohexane	9.08	83	123883	19.441	ug/l 98
39) 1,2-Dichloropropane	9.12	63	104496	20.471	ug/l 99
40) Dibromomethane	9.21	93	58765	19.869	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	121820	20.252	ug/l	96
42) Vinyl Acetate	5.90	43	1118202	96.737	ug/l	100
43) Ethyl Acetate	6.93	43	87508	17.493	ug/l	95
44) Isopropyl Acetate	8.17	43	169923	18.459	ug/l	97
45) 1,4-Dioxane	9.20	88	18604	389.963	ug/l	98
46) Methyl methacrylate	9.20	41	80487	18.570	ug/l	93
47) n-amyl Acetate	12.07	43	108460	16.563	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	107633	18.185	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	131372	19.132	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	80489	19.965	ug/l	98
51) Ethyl methacrylate	10.43	69	101311	18.484	ug/l	99
52) 1,3-Dichloropropane	10.71	76	141959	19.887	ug/l	100
53) Dibromochloromethane	10.90	129	80363	19.275	ug/l	99
54) 1,2-Dibromoethane	11.01	107	74470	19.038	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	144186	87.278	ug/l	99
56) Bromoform	12.13	173	48855	17.879	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	485209	97.229	ug/l	98
59) 2-Hexanone	10.75	43	297426	93.101	ug/l	99
61) Tetrachloroethene	10.63	164	88936	21.441	ug/l	99
62) Toluene	10.16	91	376117	20.797	ug/l	99
64) Chlorobenzene	11.43	112	220099	20.542	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	81887	20.488	ug/l	100
66) Ethyl Benzene	11.51	91	392258	20.406	ug/l	99
67) m/p-Xylenes	11.62	106	286645	40.722	ug/l	100
68) o-Xylene	11.95	106	143852	20.476	ug/l	94
69) Styrene	11.96	104	211846	19.465	ug/l	100
70) Isopropylbenzene	12.25	105	382616	20.690	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	99720	19.565	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	88271m	19.978	ug/l	
73) Bromobenzene	12.53	156	87813	19.976	ug/l	98
74) n-propylbenzene	12.59	91	407034	19.723	ug/l	99
75) 2-Chlorotoluene	12.67	91	256442	20.257	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	301689	19.879	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19738	16.784	ug/l	94
78) 4-Chlorotoluene	12.77	91	232796	19.344	ug/l	98
79) tert-butylbenzene	12.99	119	265000	20.272	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285795	19.531	ug/l	99
81) sec-Butylbenzene	13.17	105	339267	19.633	ug/l	100
82) p-Isopropyltoluene	13.29	119	274096	19.121	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	131468	18.436	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	120731	17.938	ug/l	97
85) n-Butylbenzene	13.61	91	185546	16.977	ug/l	100
86) Hexachloroethane	13.87	117	46741	19.115	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	136853	19.179	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12262	16.436	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	39163	13.871	ug/l	96
90) Hexachlorobutadiene	15.01	225	43581	18.230	ug/l	98
91) Naphthalene	15.13	128	86443	13.250	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	45413	15.417	ug/l	99

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ClientSampleId :
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Manual Integrations
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QLast Update : Fri Apr 26 05:19:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

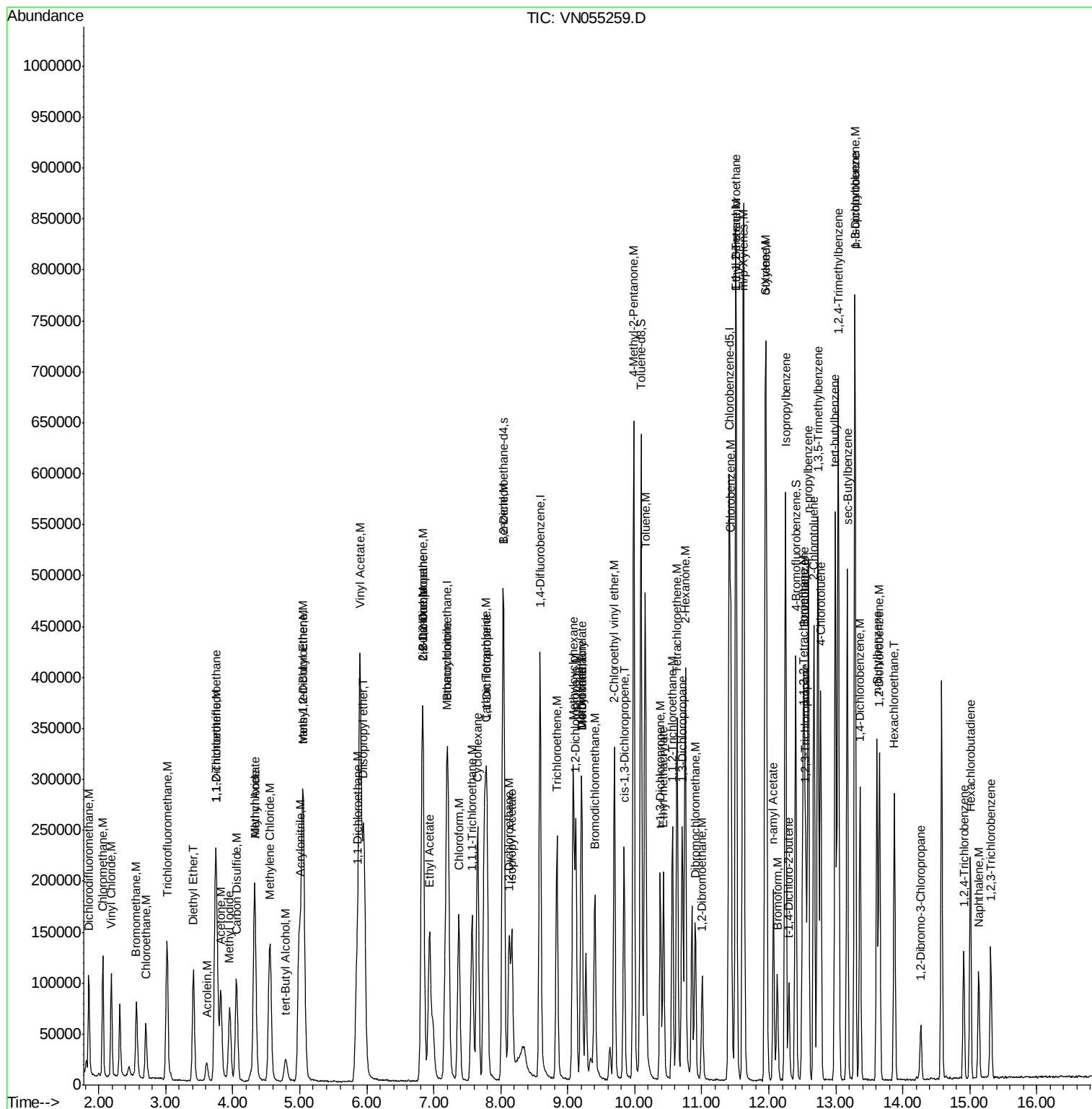
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Data File : VN055259.D
Acq On : 25 Apr 2019 22:38
Operator : JC/SP
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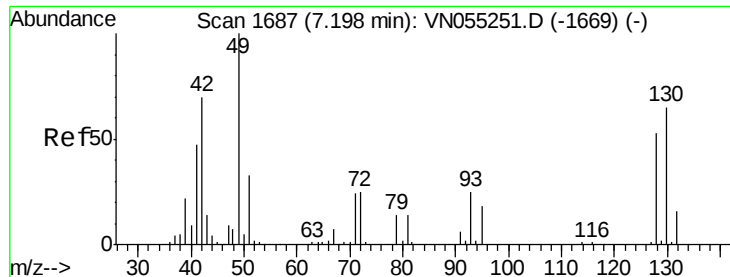
Instrument :
MSVOA_N
Client Sample Id :
VN0426WBS01

Manual Integrations
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4/26/2019 10:58:15 AM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

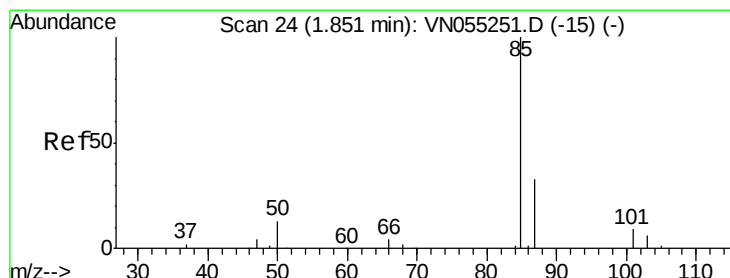
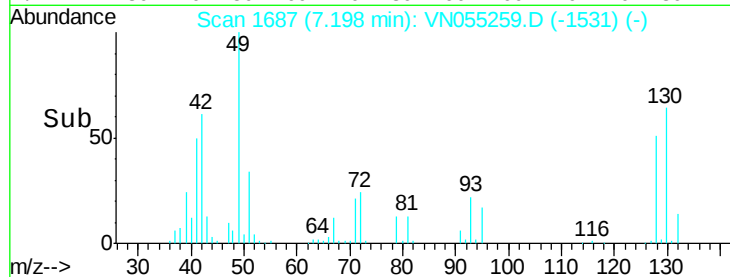
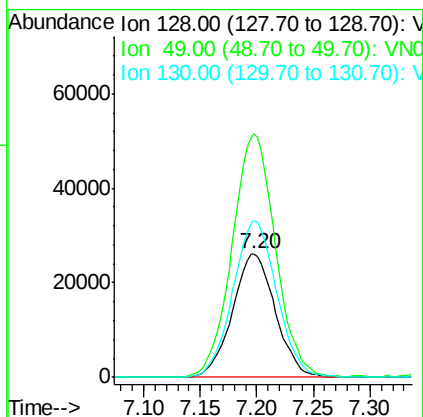
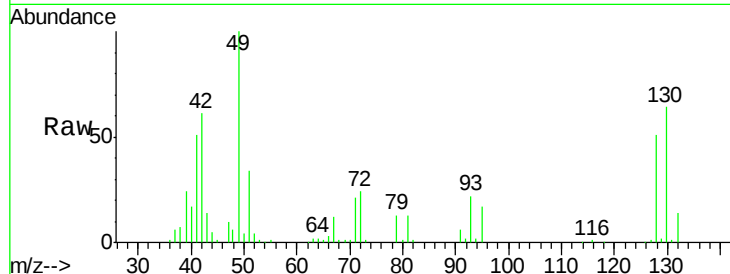
ClientSampleId :

VN0426WBS01

Tot Ion:	128	Resp:	68934
Ion	Ratio	Lower	Upper
128	100		
49	198.6	0.0	485.0
130	129.7	0.0	324.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.383 ug/l

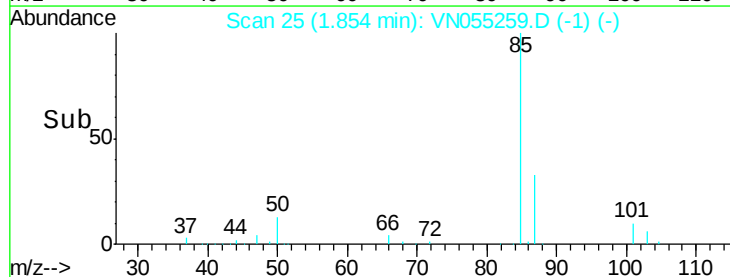
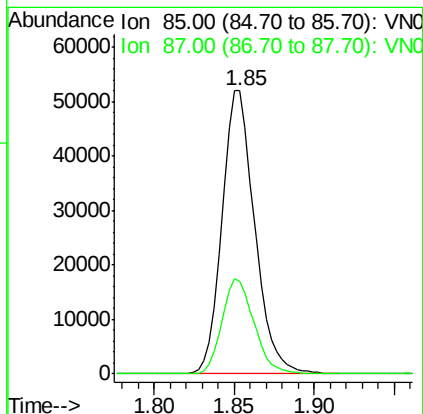
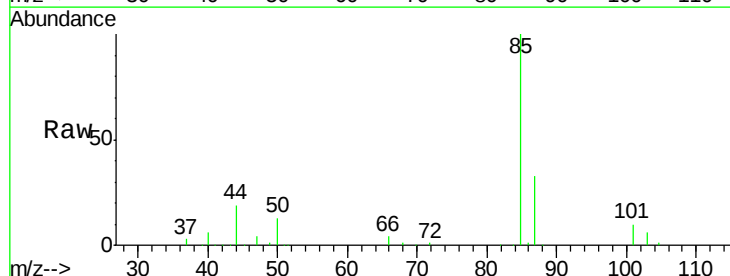
RT: 1.85 min Scan# 25

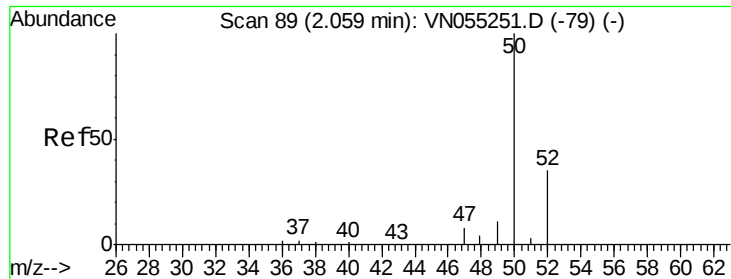
Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion:	85	Resp:	72870
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7





#3

Chloromethane

Concen: 19.955 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion: 50 Resp: 104916

Ion Ratio Lower Upper

50 100

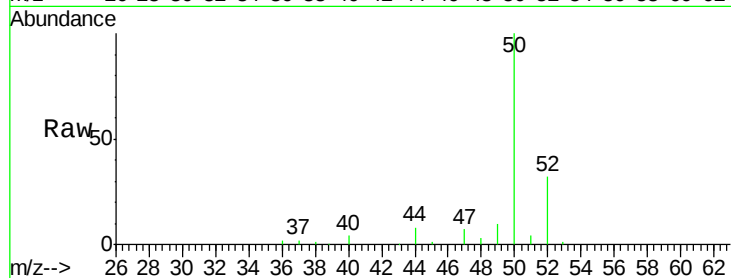
52 31.9 27.9 41.9

Manual Integrations

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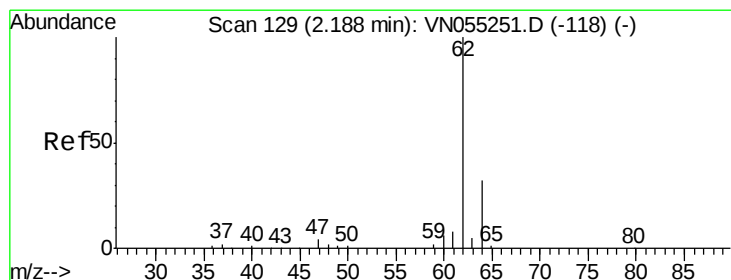
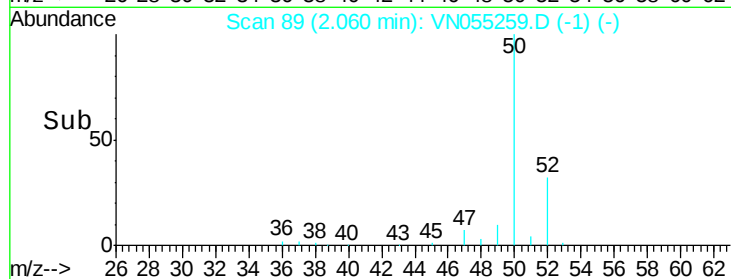
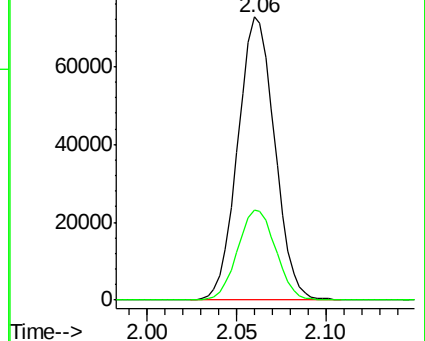
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.712 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055259.D

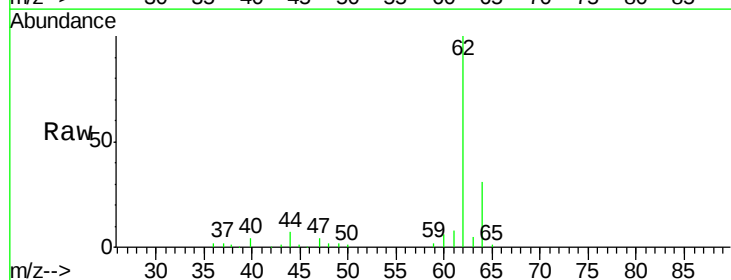
Acq: 25 Apr 2019 22:38

Tgt Ion: 62 Resp: 88750

Ion Ratio Lower Upper

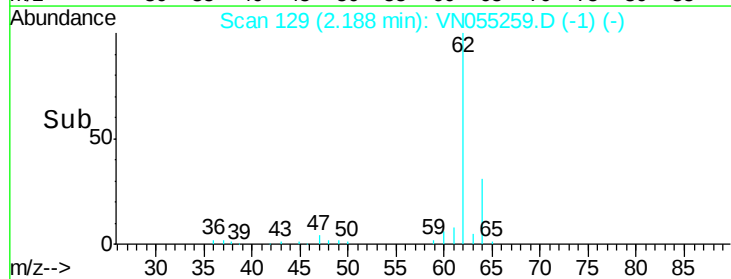
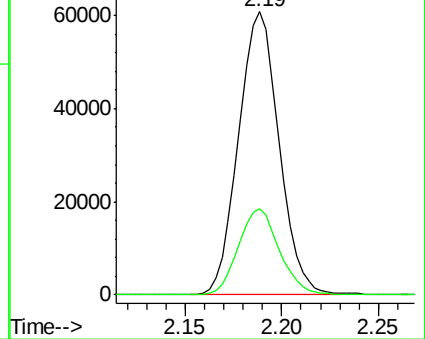
62 100

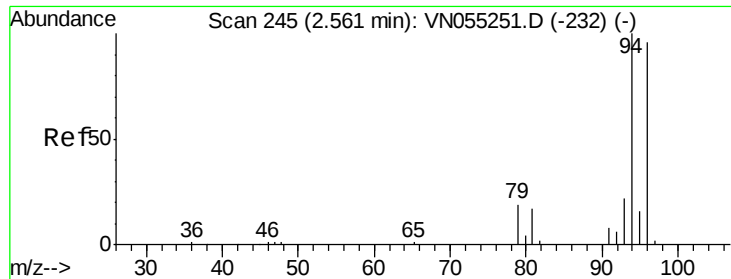
64 30.6 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.107 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion: 94 Resp: 50387

Ion Ratio Lower Upper

94 100

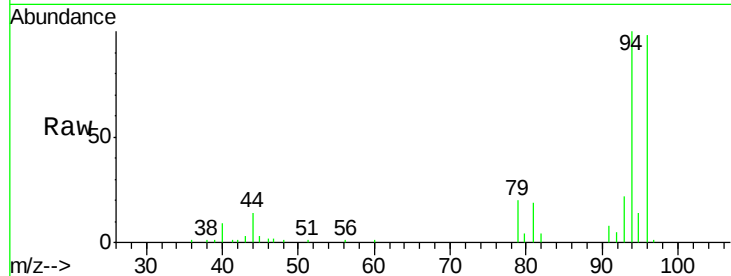
96 97.1 77.0 115.6

Manual Integrations

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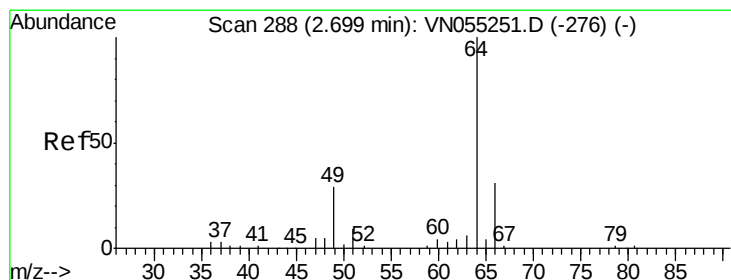
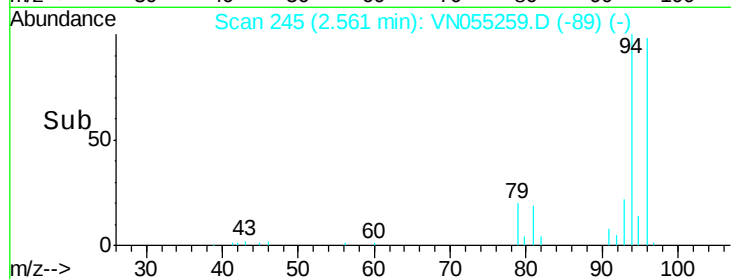
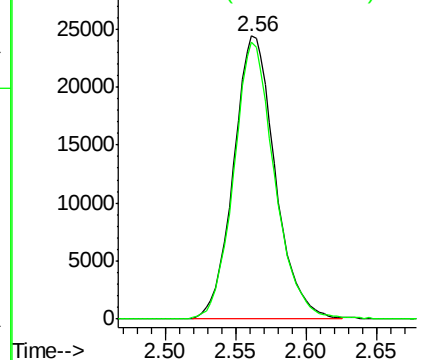
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.834 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055259.D

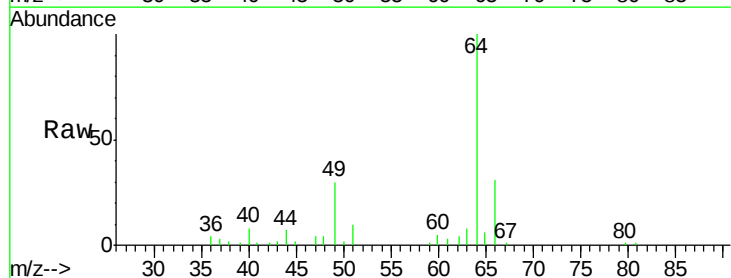
Acq: 25 Apr 2019 22:38

Tgt Ion: 64 Resp: 49731

Ion Ratio Lower Upper

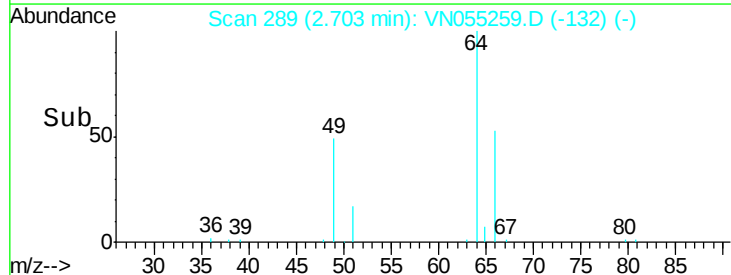
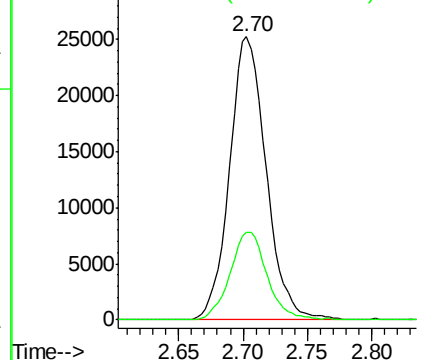
64 100

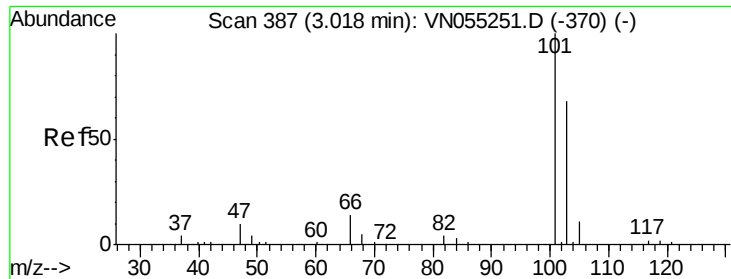
66 30.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

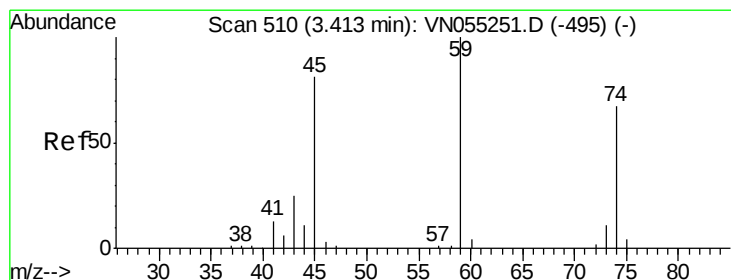
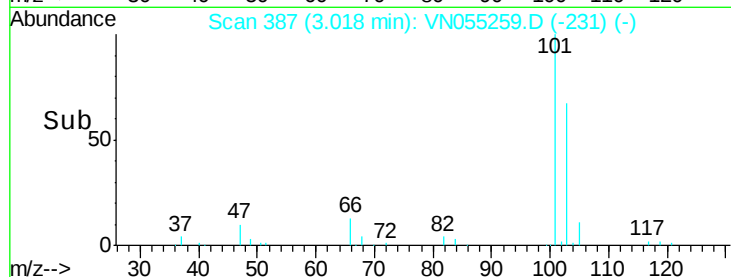
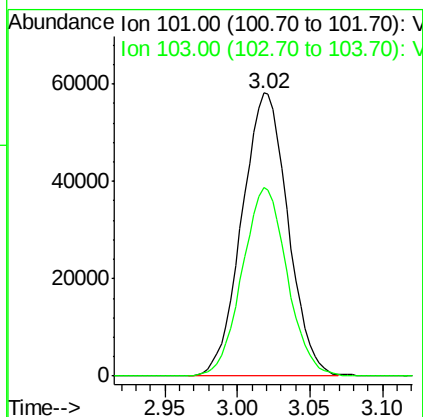
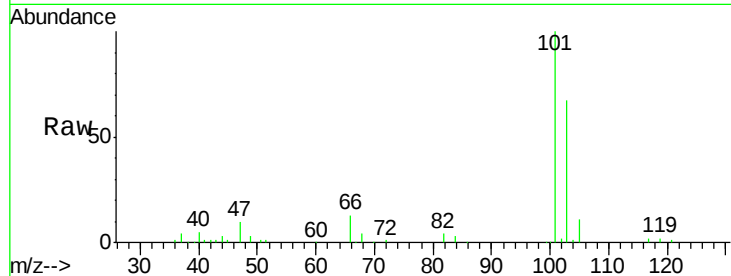
Trichlorofluoromethane
Concen: 20.389 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	54.6	81.8

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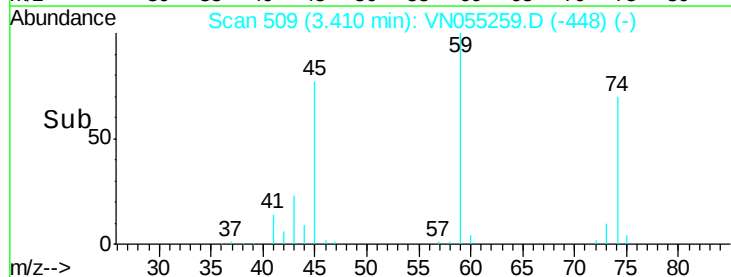
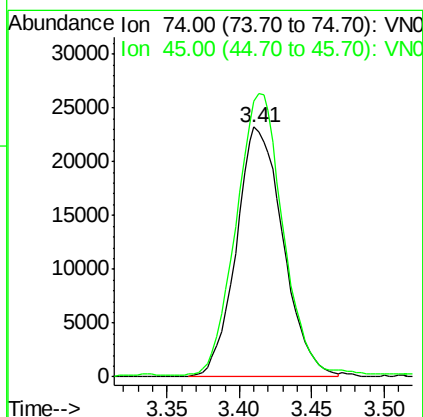
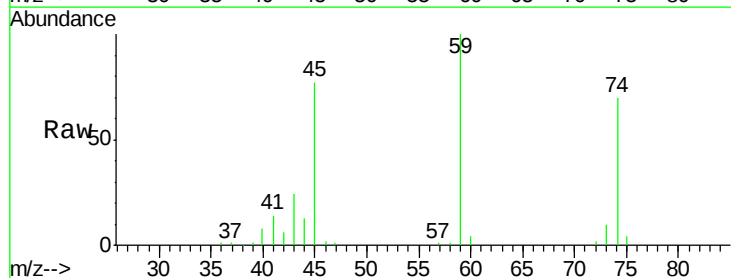
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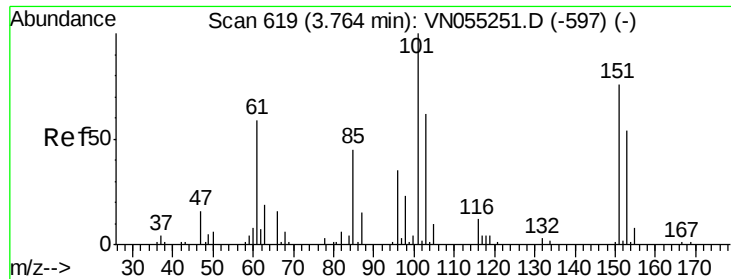


#8

Diethyl Ether
Concen: 20.374 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.9	25.1	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.848 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

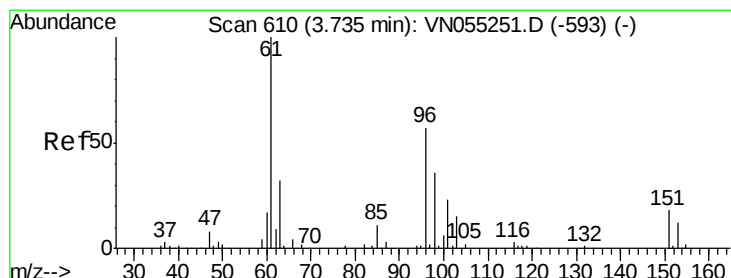
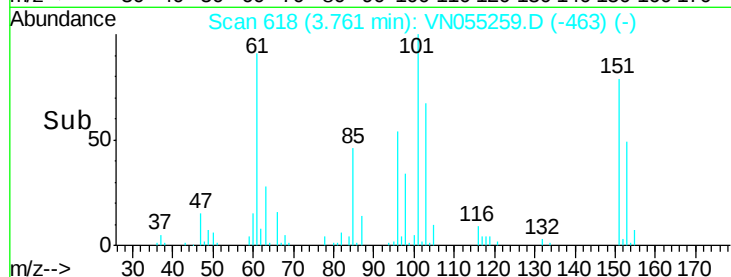
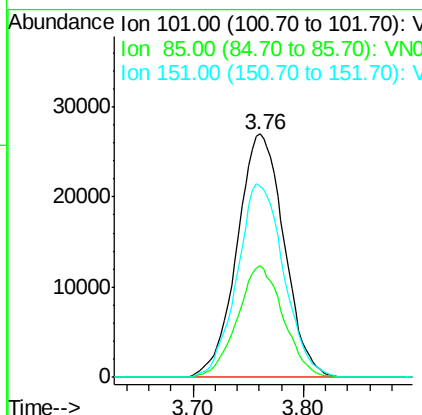
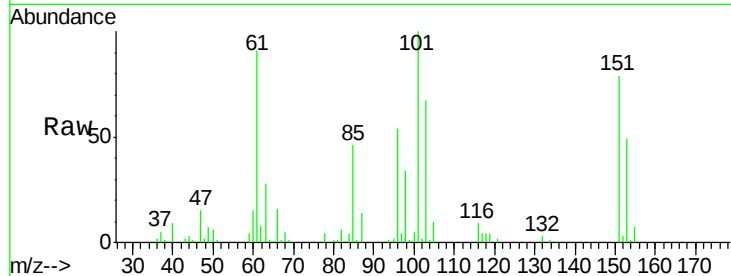
ClientSampleId :

VN0426WBS01

Tot Ion:	101	Resp:	79579
Ion Ratio	Lower	Upper	
101	100		
85	44.7	0.0	89.0
151	79.1	0.0	154.4

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#10

1,1-Dichloroethene

Concen: 20.462 ug/l

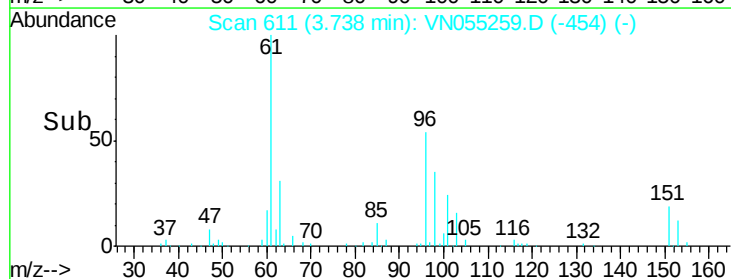
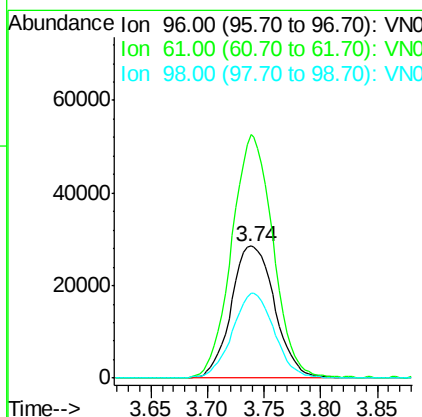
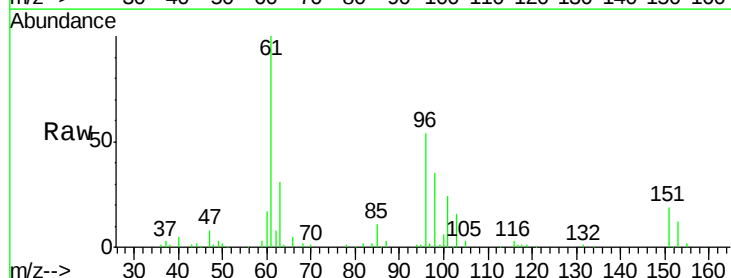
RT: 3.74 min Scan# 611

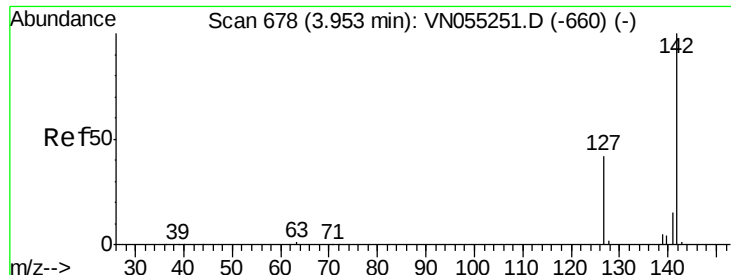
Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion:	96	Resp:	76379
Ion Ratio	Lower	Upper	
96	100		
61	184.2	139.9	209.9
98	64.6	50.8	76.2





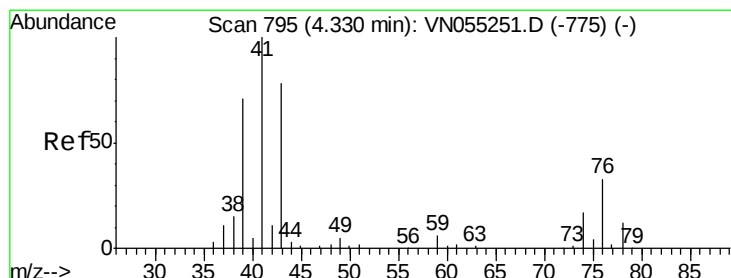
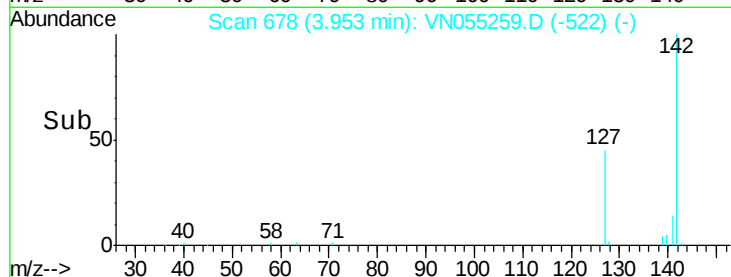
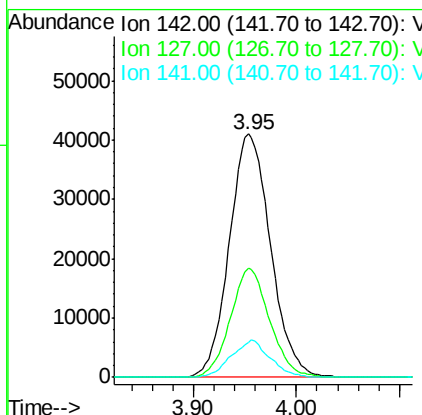
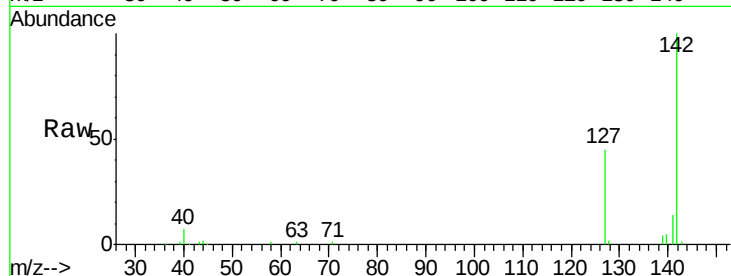
#11
Methvl Iodide
Concen: 19.442 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.6	20.9	62.7
141	14.5	7.6	22.8

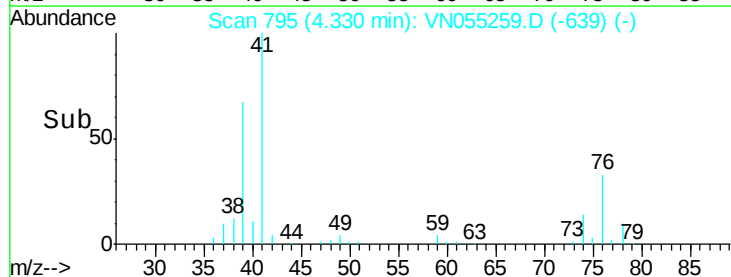
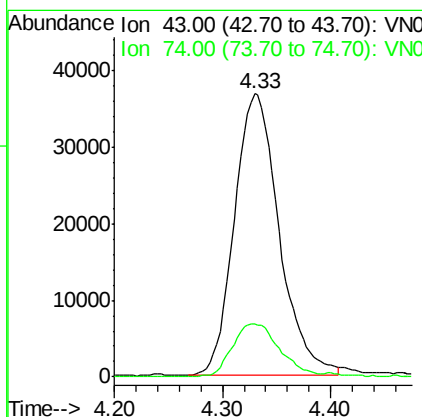
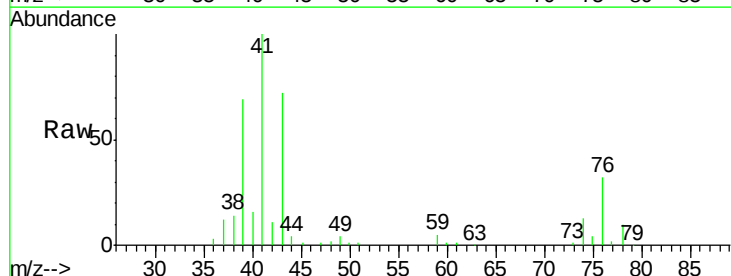
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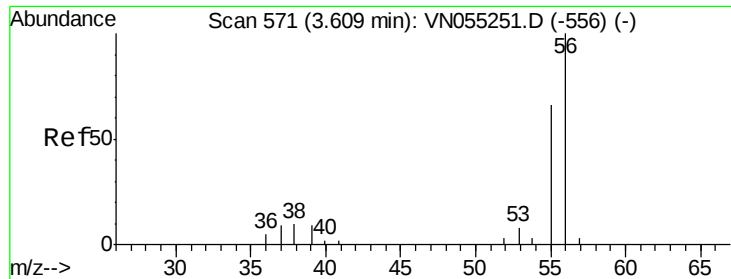
MMDadoda
4/26/2019 10:58:15 AM



#12
Methyl Acetate
Concen: 19.696 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.4	17.7	26.5





#13

Acrolein

Concen: 87.651 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion: 56 Resp: 21125

Ion Ratio Lower Upper

56 100

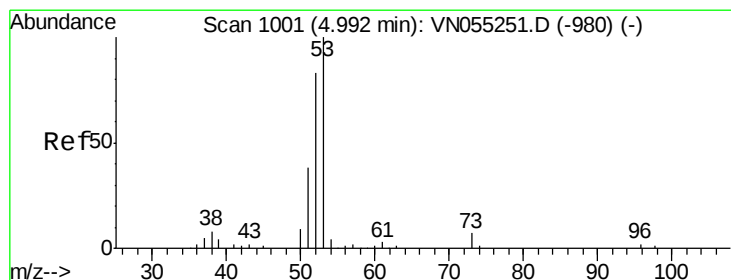
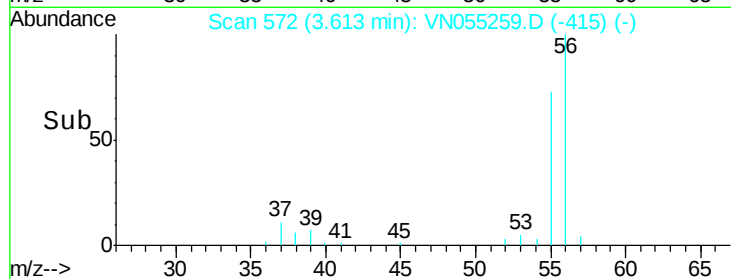
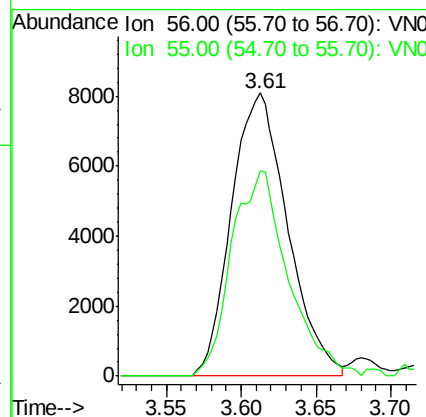
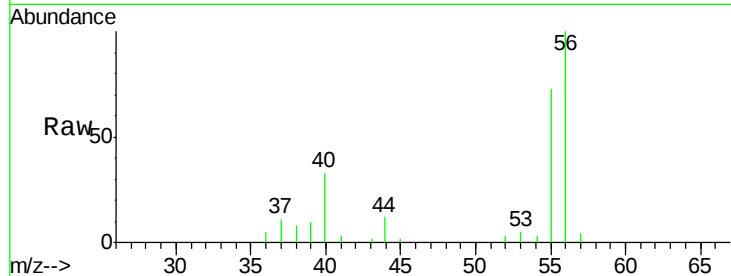
55 23.6 54.9 82.3#

Manual Integrations

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#14

Acrylonitrile

Concen: 97.512 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

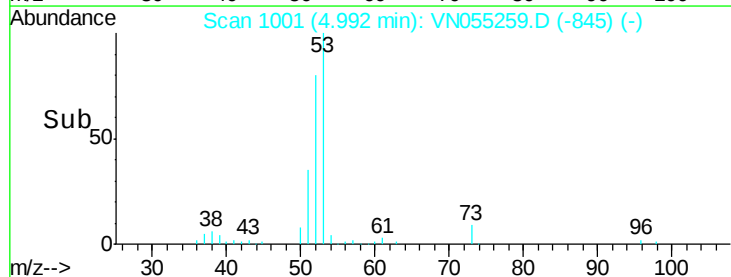
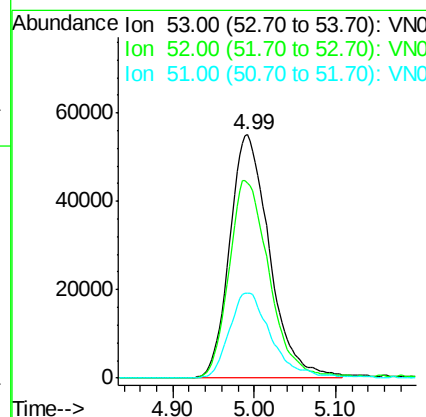
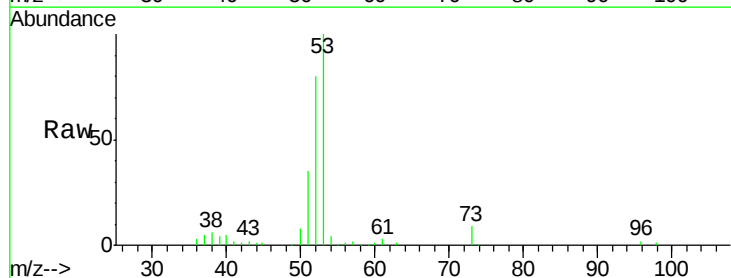
Tgt Ion: 53 Resp: 187651

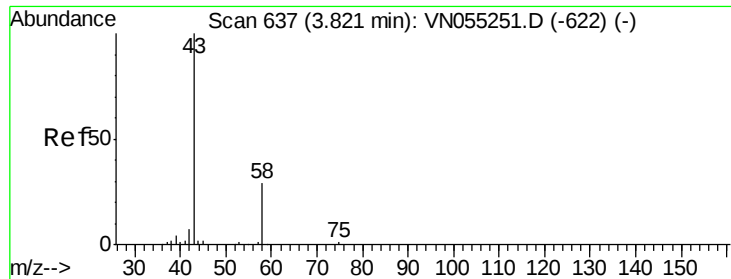
Ion Ratio Lower Upper

53 100

52 81.1 41.0 123.2

51 36.2 18.1 54.4





#15

Acetone

Concen: 87.489 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion: 58 Resp: 40560

Ion Ratio Lower Upper

58 100

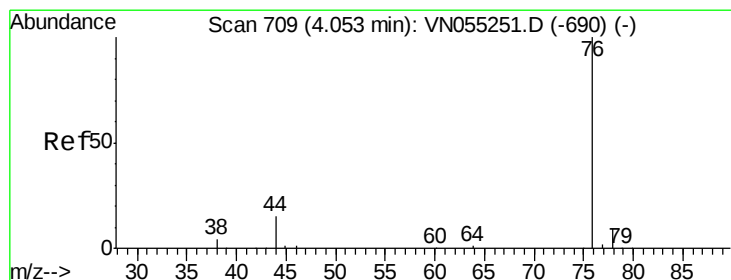
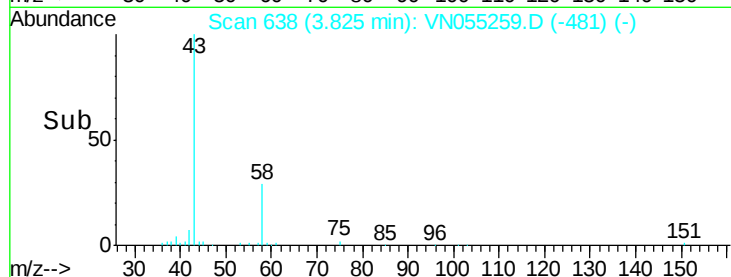
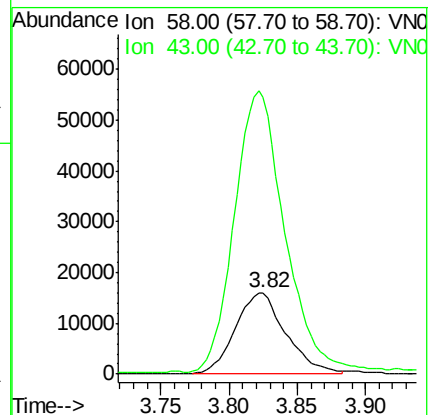
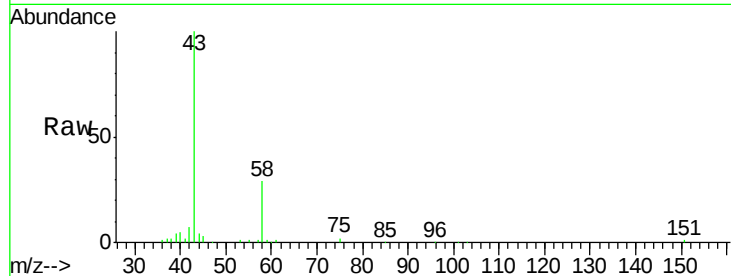
43 340.2 278.2 417.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.347 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055259.D

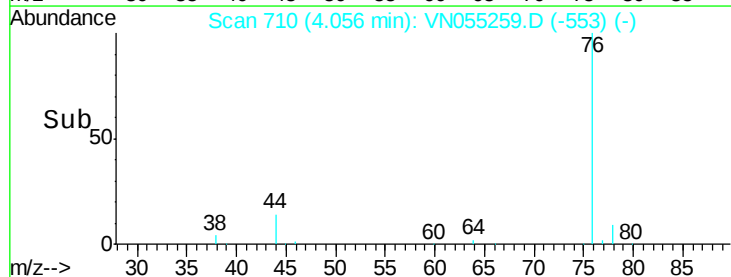
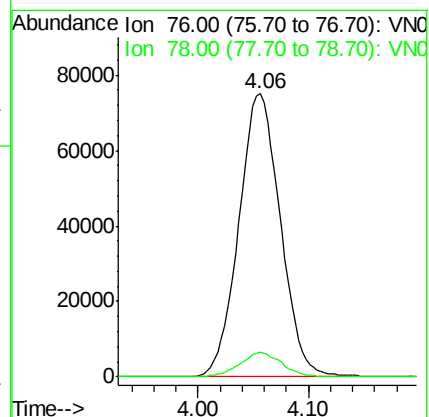
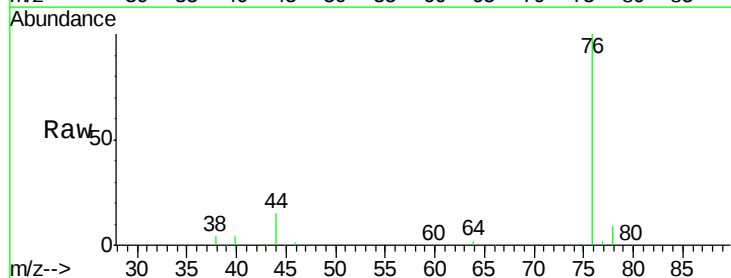
Acq: 25 Apr 2019 22:38

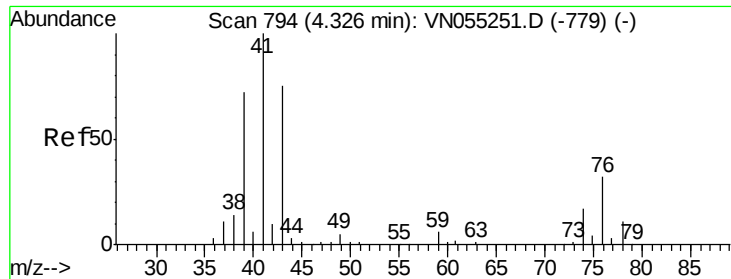
Tgt Ion: 76 Resp: 196286

Ion Ratio Lower Upper

76 100

78 8.6 6.8 10.2





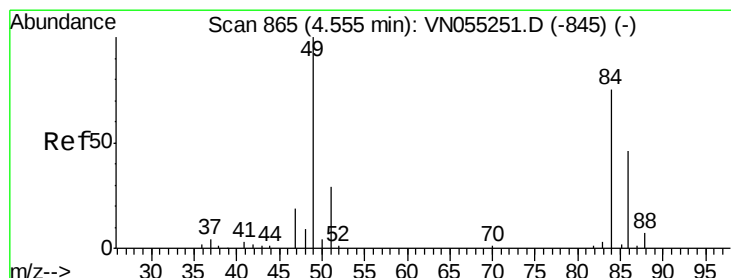
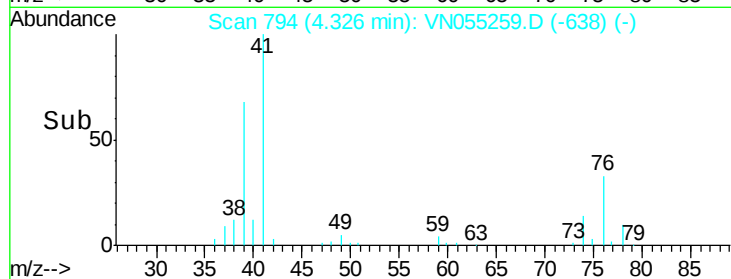
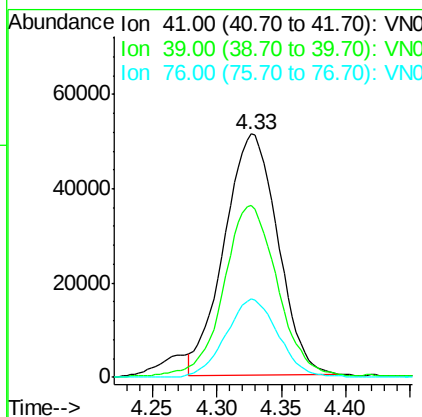
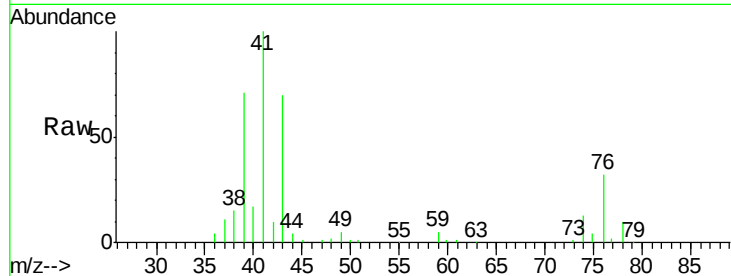
#17
Allvl chloride
Concen: 18.392 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion:	41	Resp:	147843
Ion Ratio	Lower	Upper	
41	100		
39	70.1	34.4	103.2
76	32.2	15.3	45.9

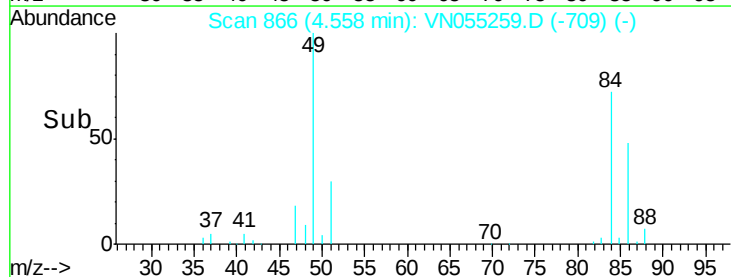
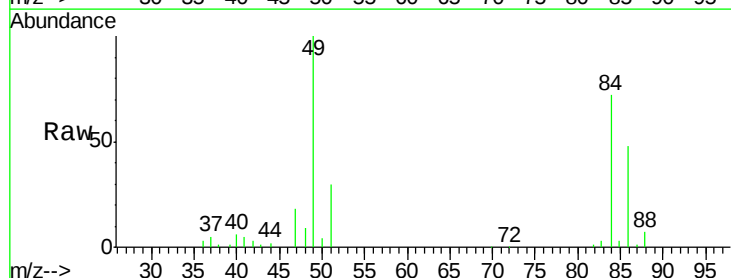
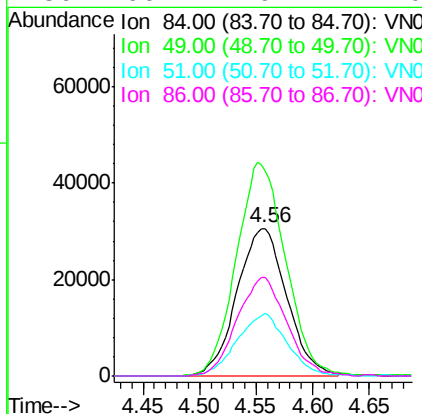
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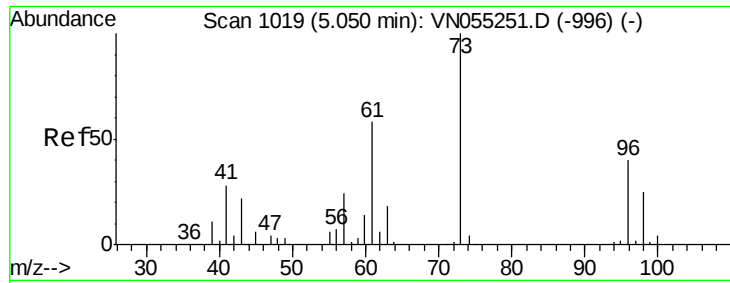
MMdadoda
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#18
Methylene Chloride
Concen: 20.155 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion:	84	Resp:	93402
Ion Ratio	Lower	Upper	
84	100		
49	138.1	107.2	160.8
51	42.1	31.4	47.2
86	66.4	49.4	74.0





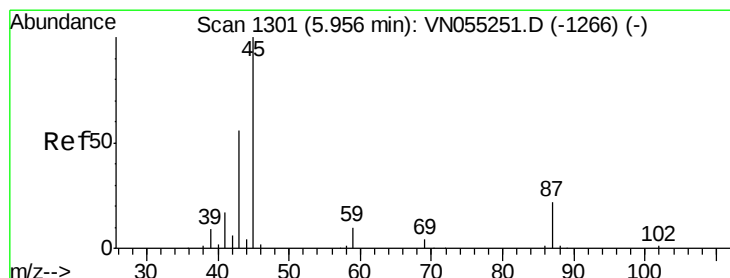
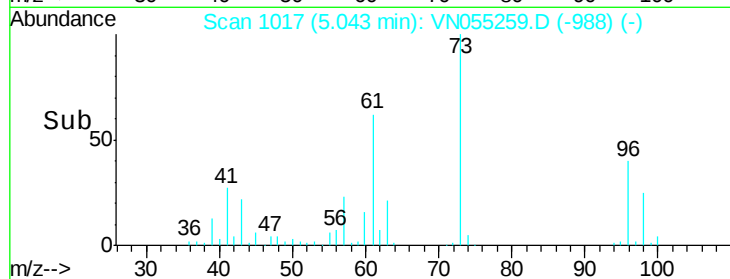
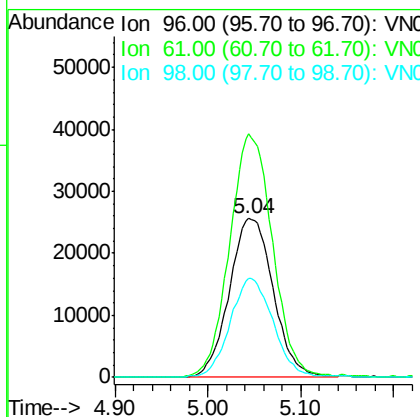
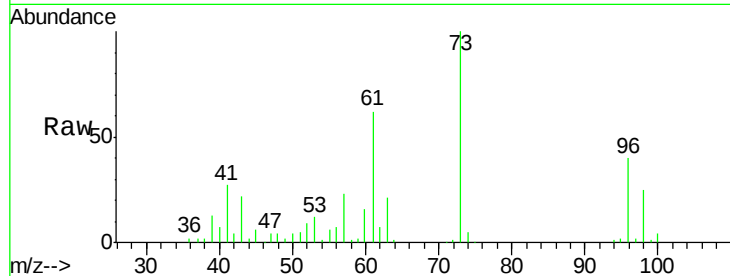
#19
trans-1,2-Dichloroethene
Concen: 20.776 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampled :
VN0426WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	152.2		116.3	174.5	
98	61.6		49.4	74.2	

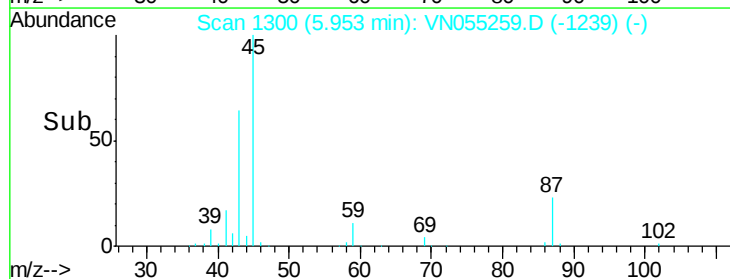
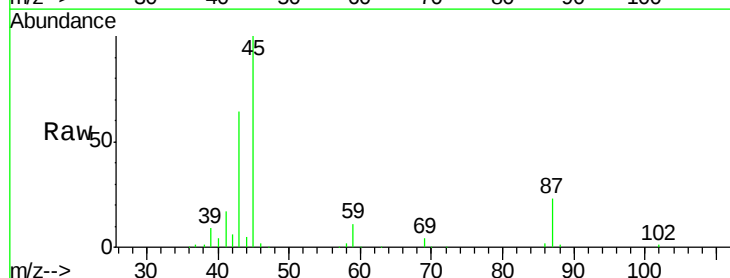
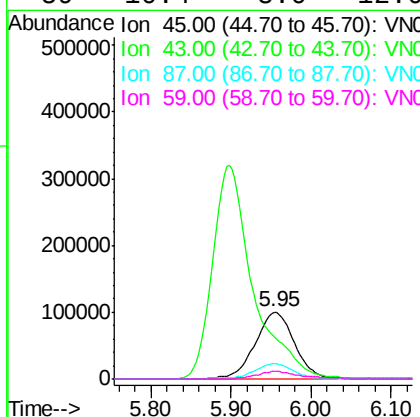
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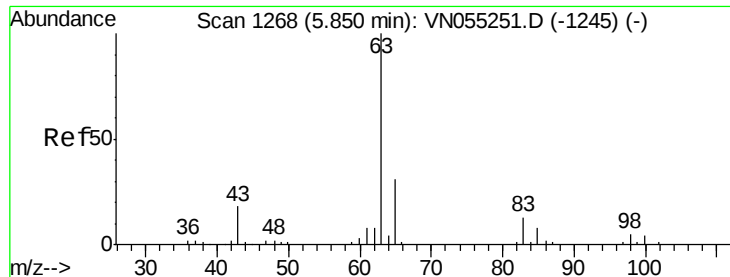
MMdadoda
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#20
Diisopropyl ether
Concen: 20.708 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
43	60.6		46.1	69.1	
87	22.4		18.3	27.5	
59	10.4		8.0	12.0	





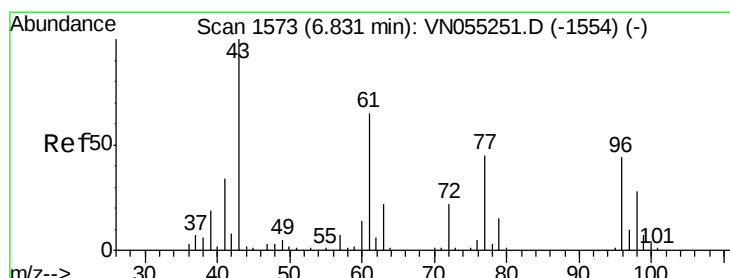
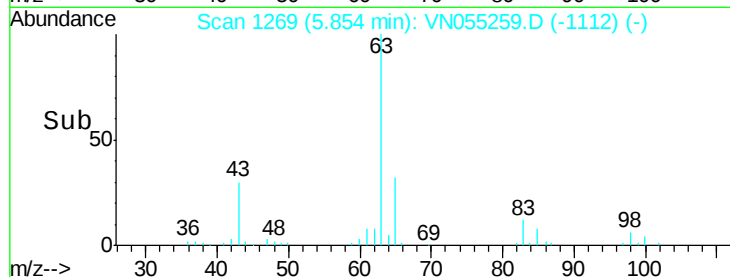
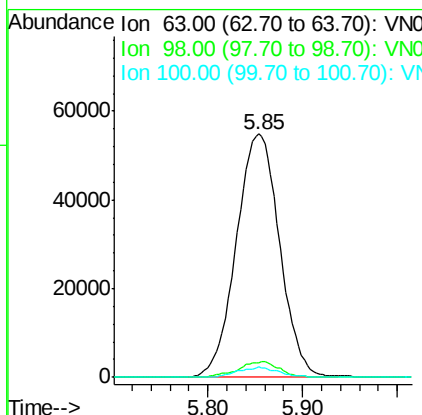
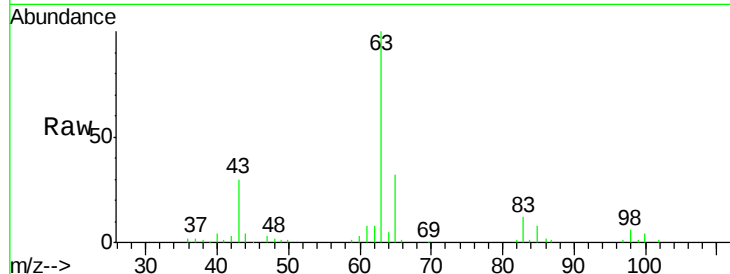
#21
 1,1-Dichloroethane
 Concen: 20.434 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	2.8	8.3	
100	4.3	2.0	5.8	

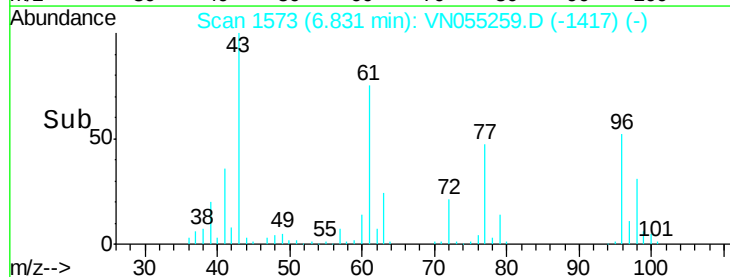
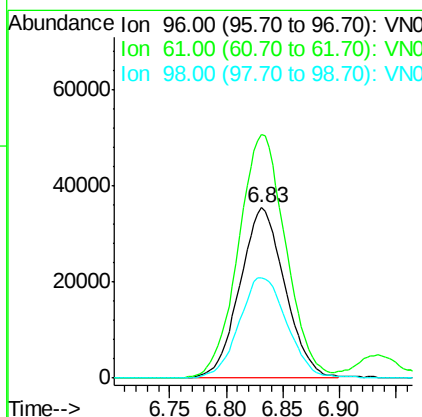
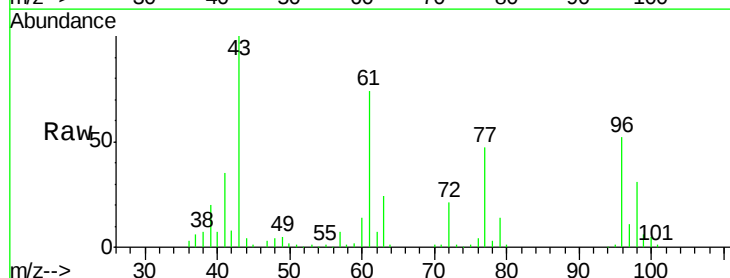
Manual Integrations
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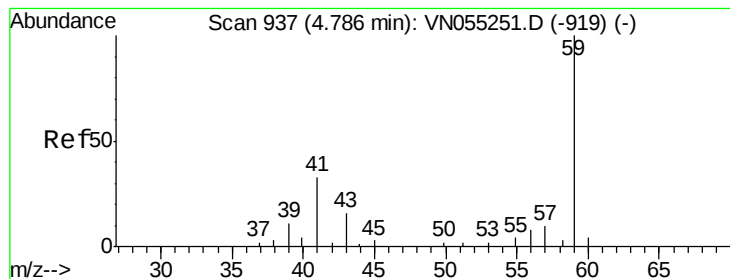
MMdadoda
 4/26/2019 10:58:15 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.859 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.2	129.1	193.7	
98	62.5	53.2	79.8	





#23

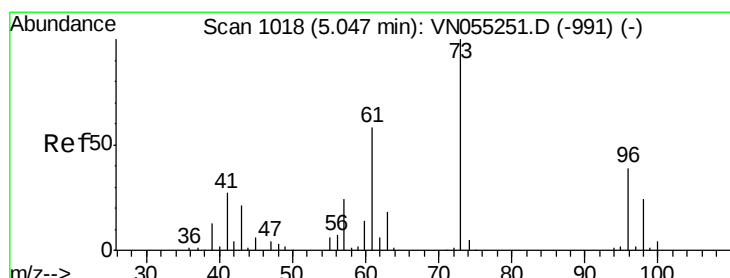
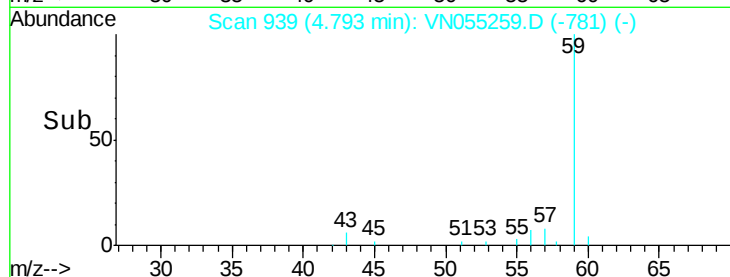
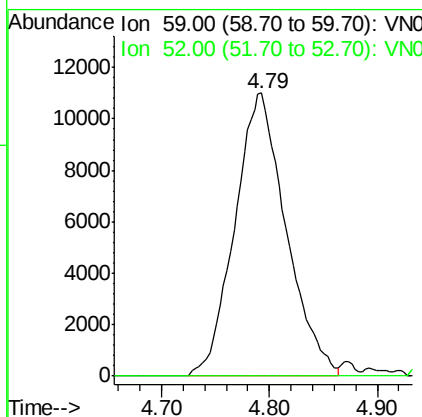
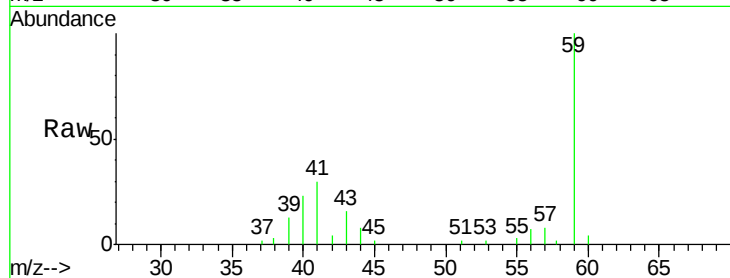
tert-Butyl Alcohol
 Concen: 92.646 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	36399		
52	52	0.0	0.0	0.0	0.0

Manual Integrations
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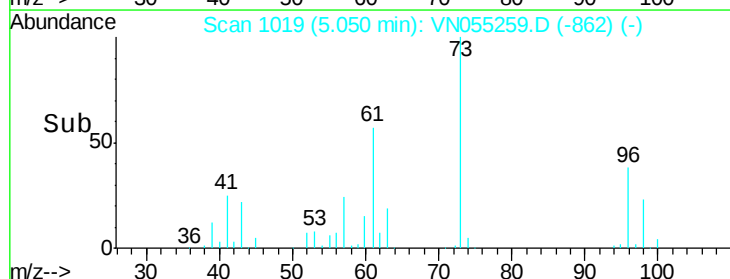
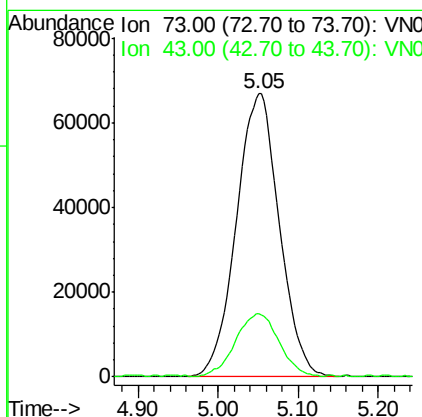
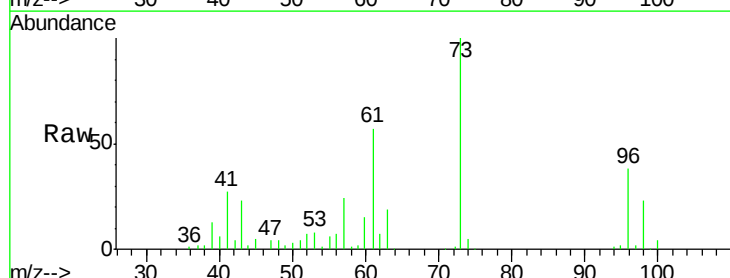
MMDadoda
 4/26/2019 10:58:15 AM

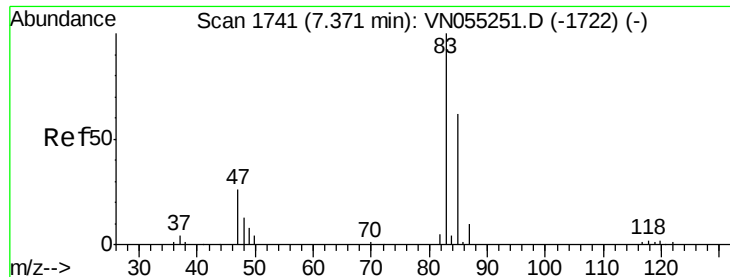


#24

Methyl tert-Butyl Ether
 Concen: 20.130 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	244859		
43	43	22.2	17.9	26.9	





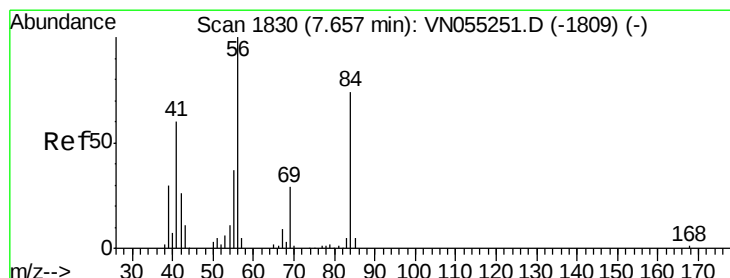
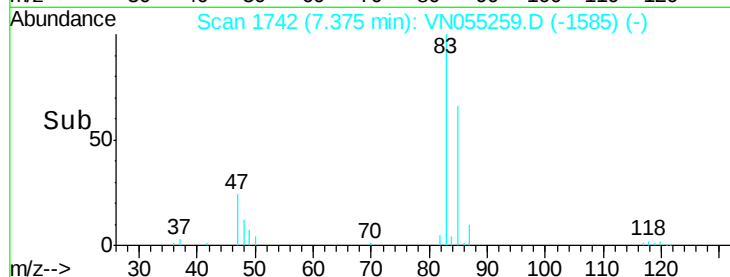
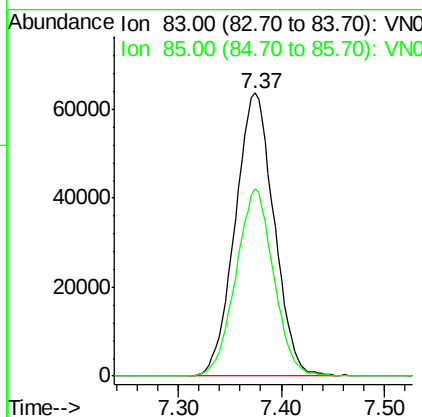
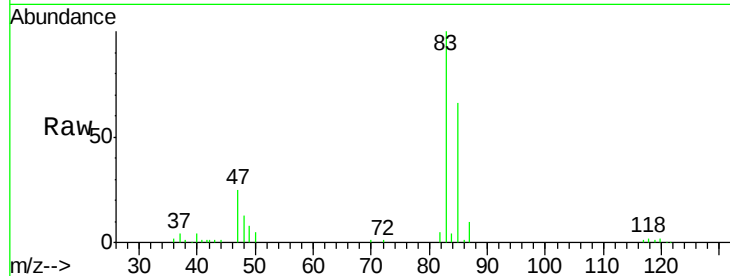
#25
Chloroform
Concen: 20.861 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	83	Resp	166942
Ion Ratio	100	Lower	Upper
85	66.1	49.7	74.5

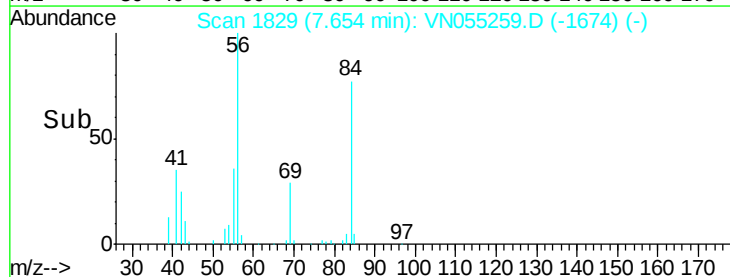
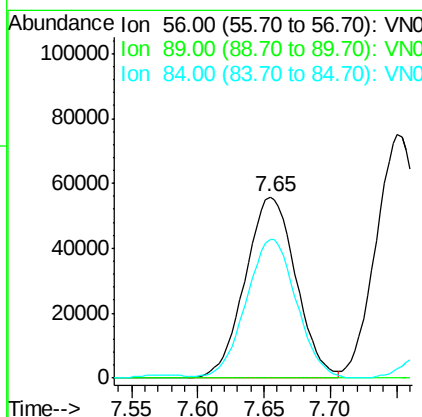
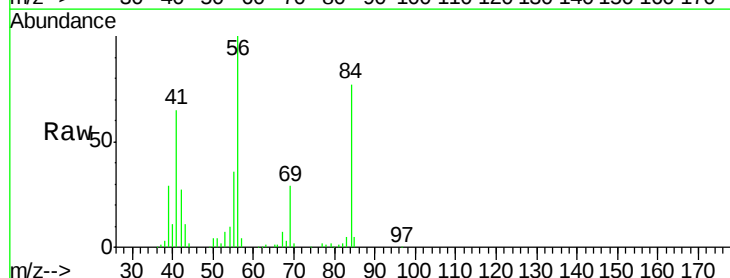
Manual Integrations
APPROVED

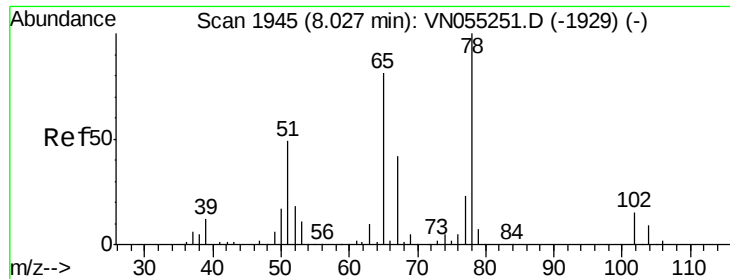
MMDadoda
4/26/2019 10:58:15 AM



#26
Cyclohexane
Concen: 19.975 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	56	Resp	147741
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	76.2	63.5	95.3





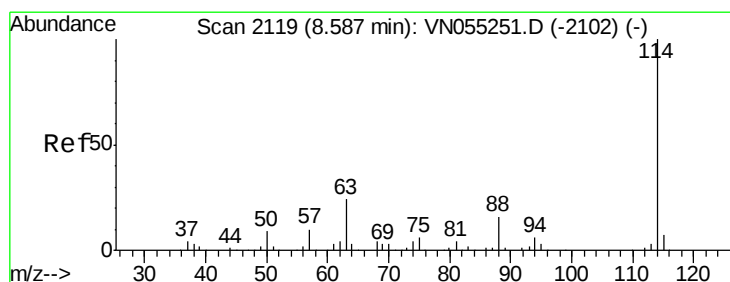
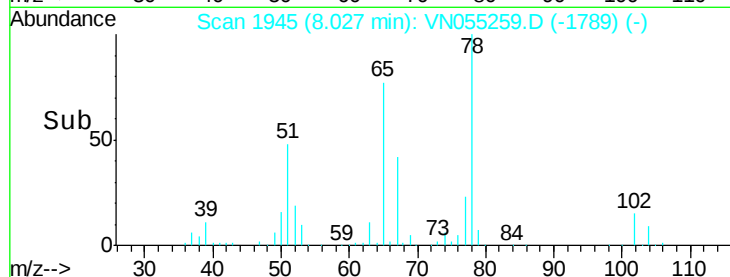
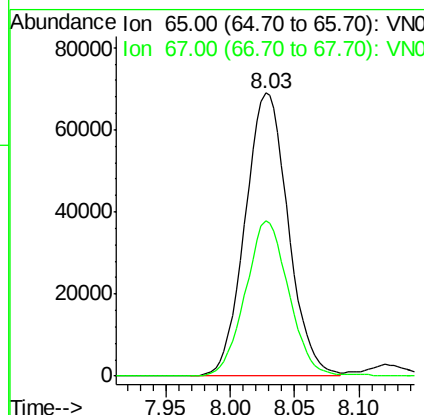
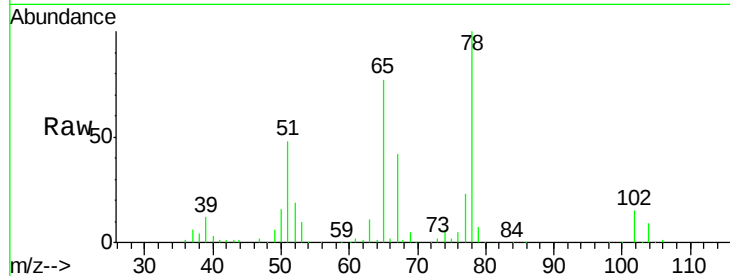
#27
 1,2-Dichloroethane-d4
 Concen: 29.531 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160674		
67	54.9	41.9	62.9	

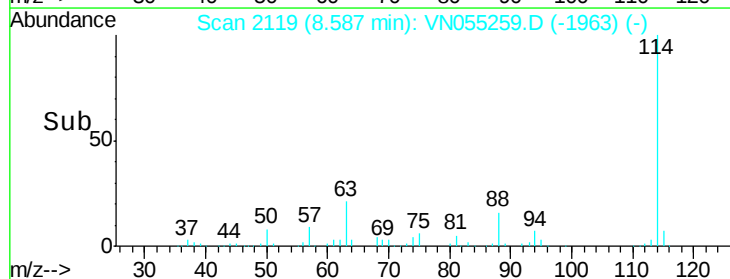
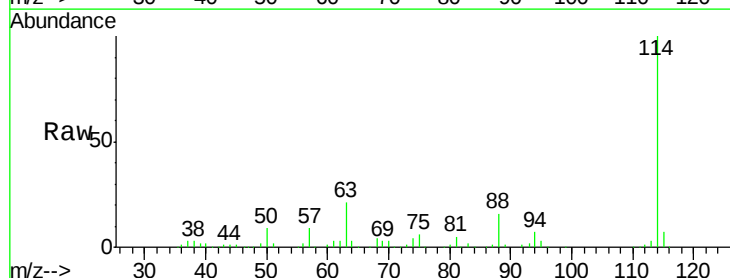
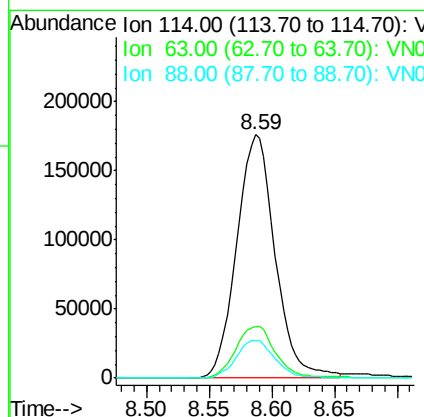
Manual Integrations
 APPROVED

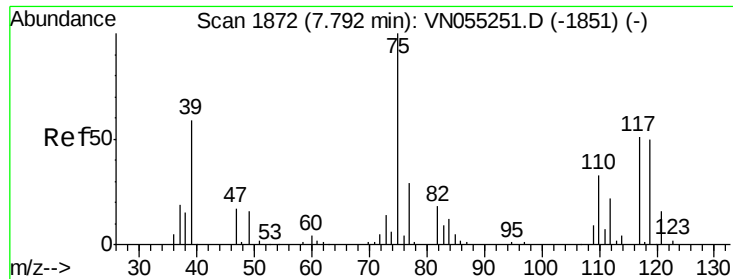
MMdadoda
 4/26/2019 10:58:15 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375828		
63	21.9	18.2	27.2	
88	15.5	12.6	18.8	





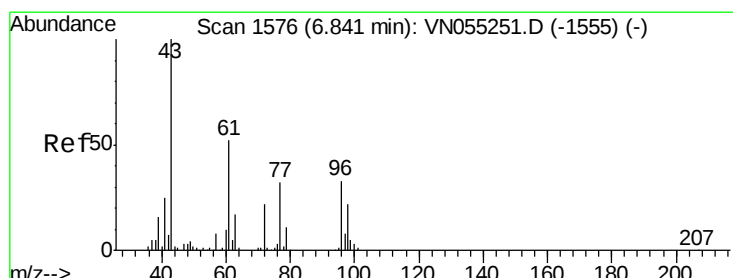
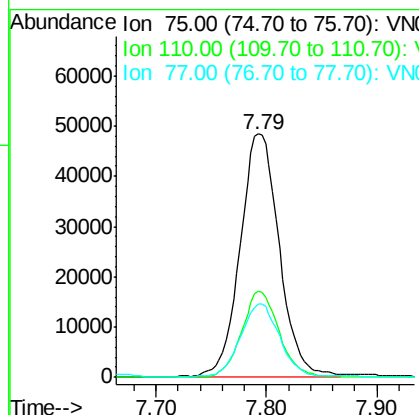
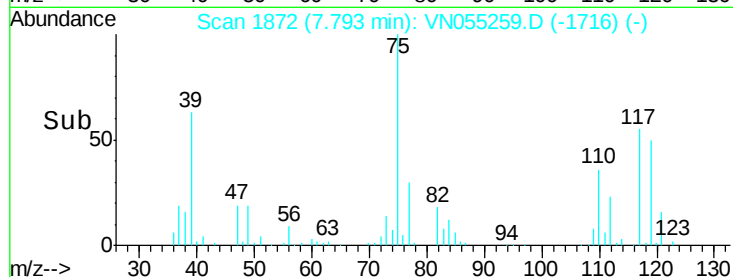
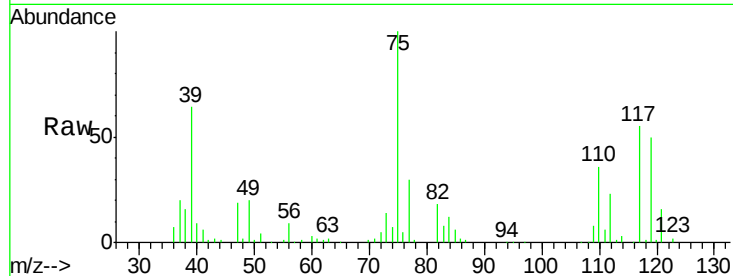
#29
 1,1-Dichloropropene
 Concen: 19.915 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.9	0.0	68.6
77	30.4	0.0	61.6

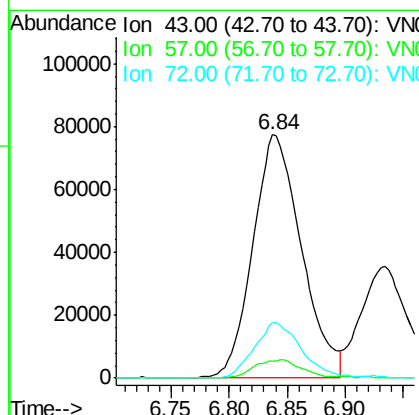
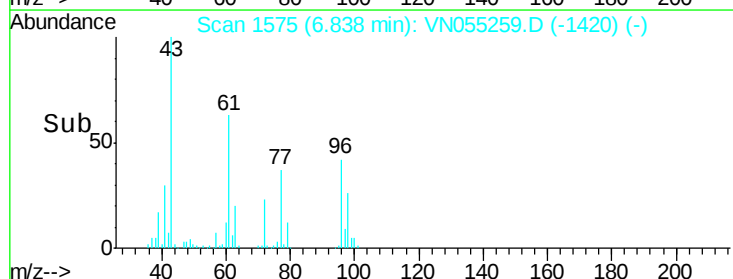
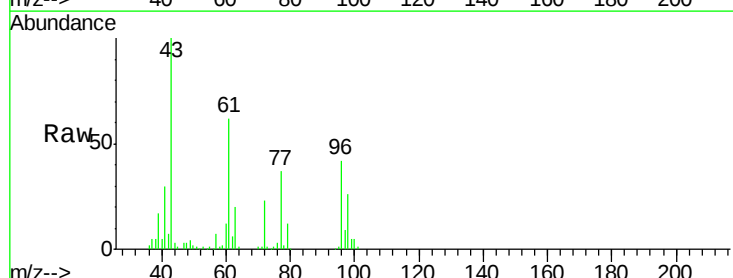
Manual Integrations
 APPROVED

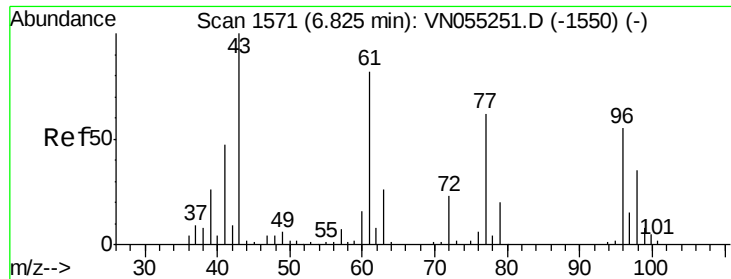
MMdadoda
 4/26/2019 10:58:15 AM



#30
 2-Butanone
 Concen: 93.062 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.4	6.0	9.0
72	22.2	17.9	26.9





#31

2,2-Dichloropropane

Concen: 18.193 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion: 77 Resp: 102635

Ion Ratio Lower Upper

77 100

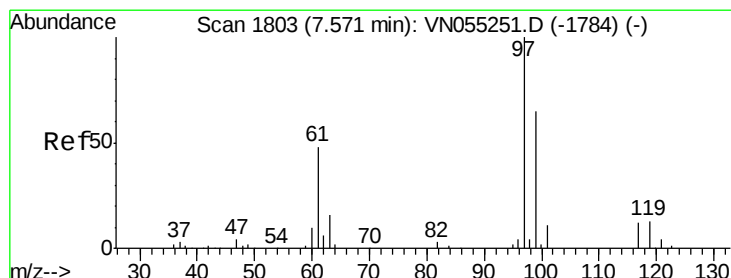
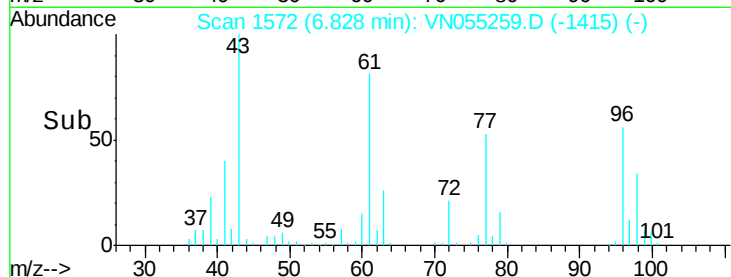
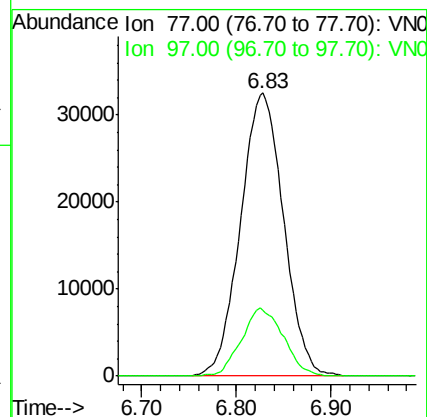
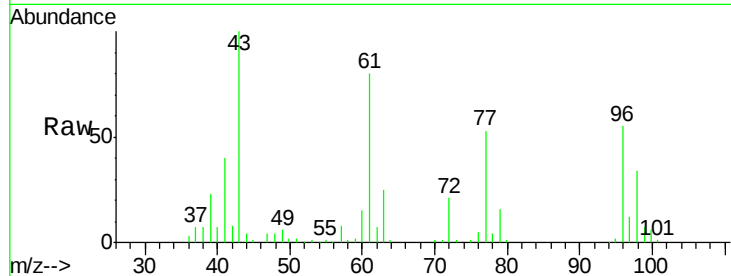
97 23.4 18.6 28.0

Manual Integrations

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MMdadoda

4/26/2019 10:58:15 AM



#32

1,1,1-Trichloroethane

Concen: 20.318 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

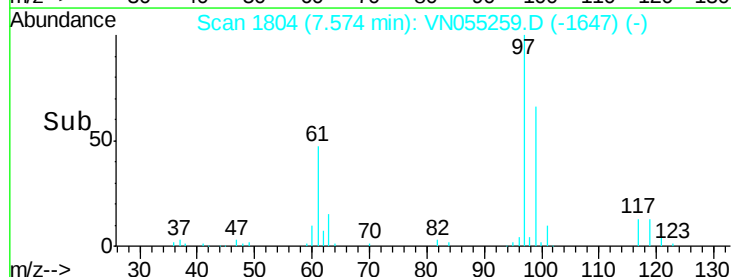
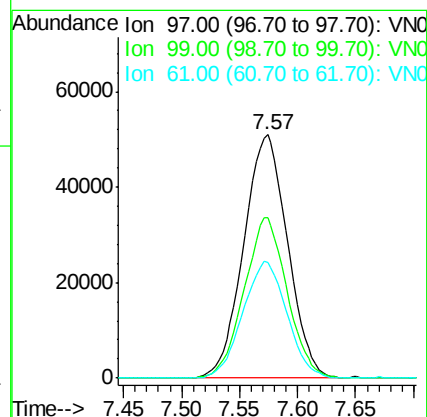
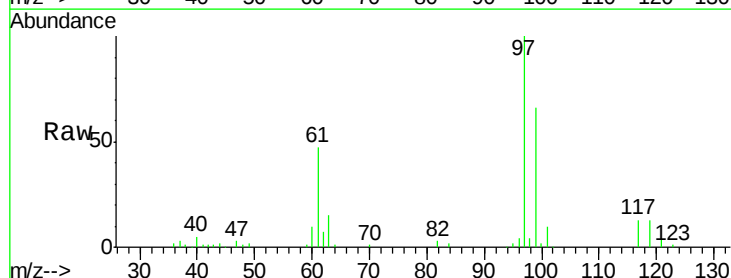
Tgt Ion: 97 Resp: 134530

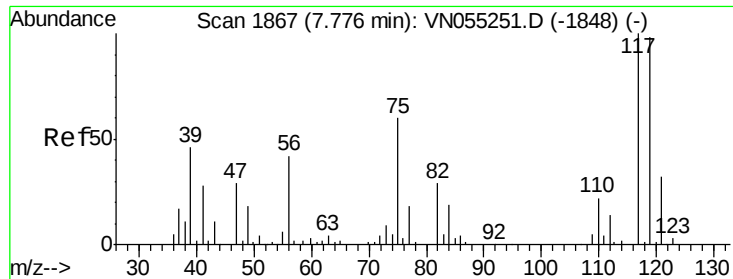
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 48.0 38.3 57.5





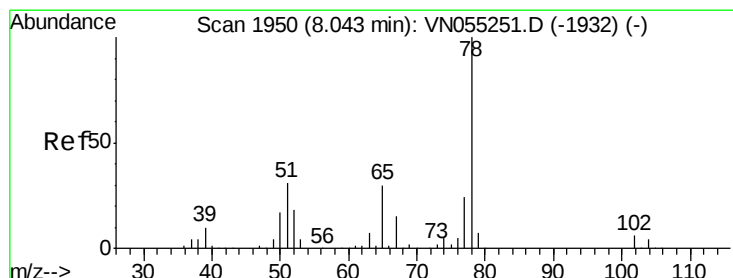
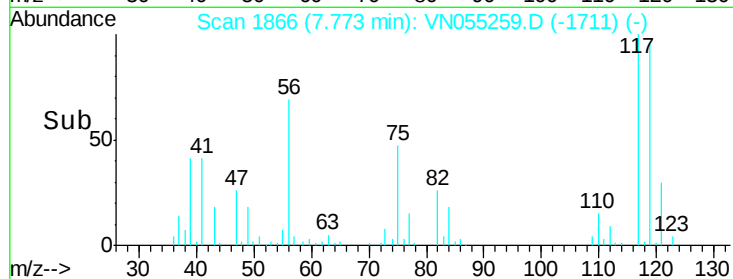
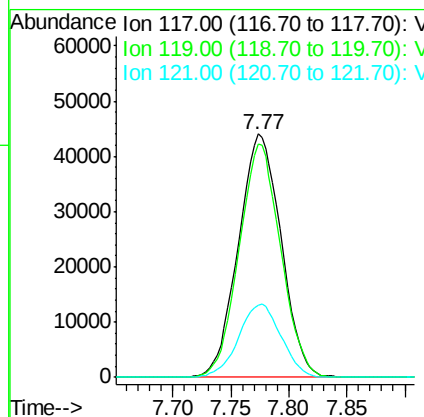
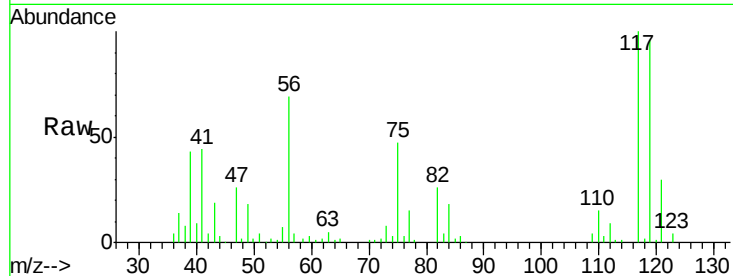
#33
Carbon Tetrachloride
Concen: 20.397 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.7	118.1
121	29.9	25.8	38.6

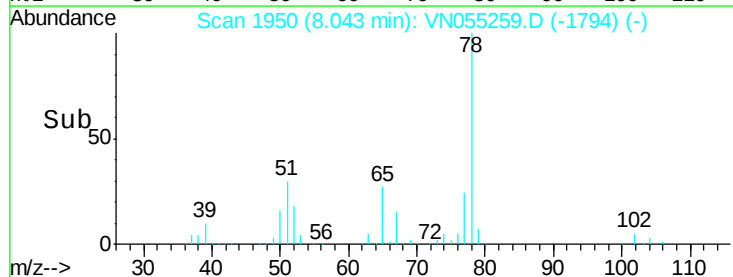
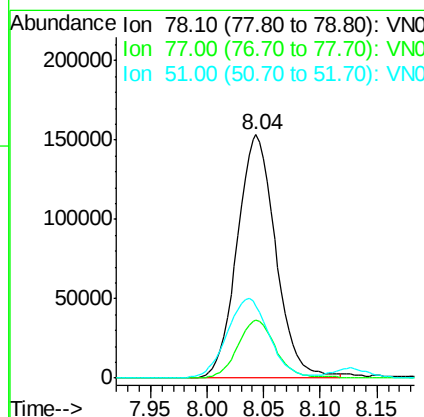
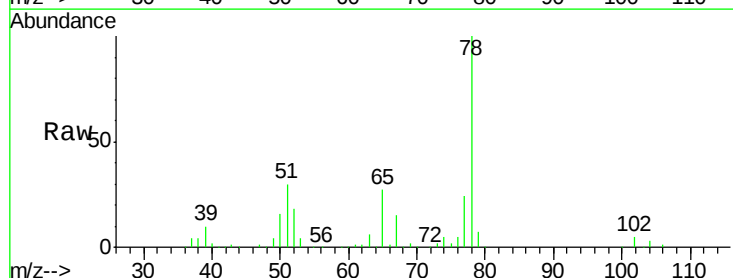
Manual Integrations
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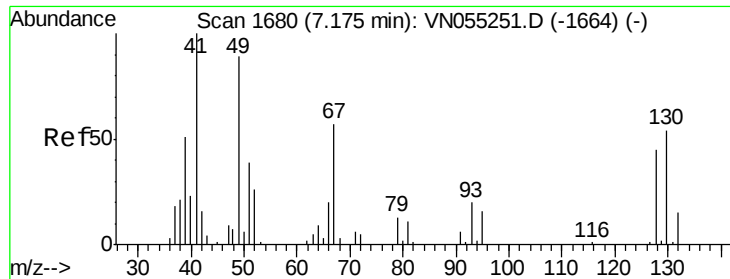
MMdadoda
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#34
Benzene
Concen: 20.457 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7
51	29.1	24.5	36.7





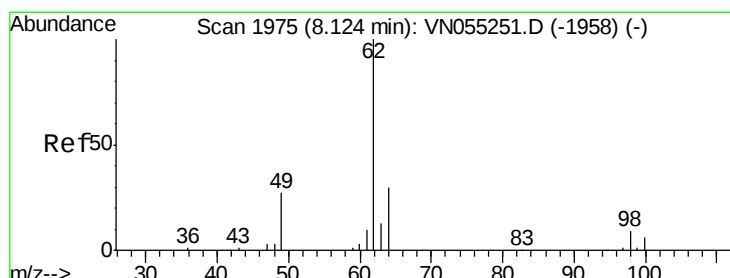
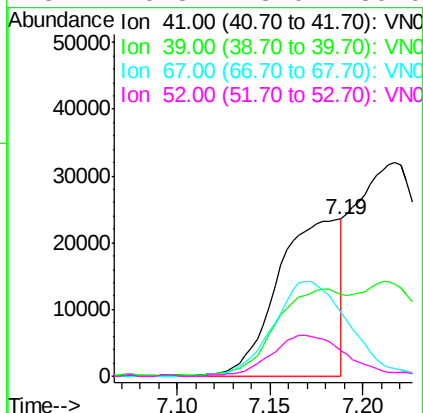
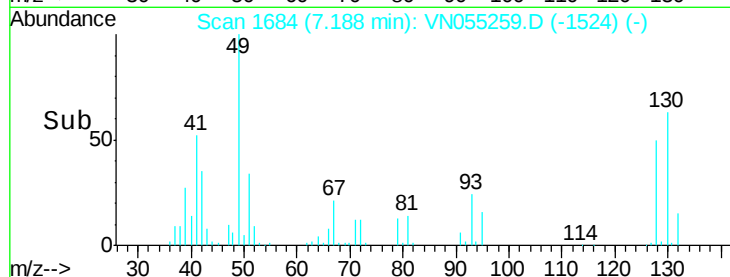
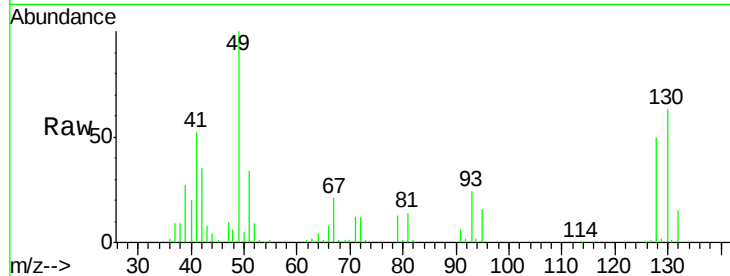
#35
Methacrylonitrile
Concen: 19.915 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampled :
VN0426WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	25.3	75.8	
67	41.0	28.7	86.1	
52	16.3	13.0	39.0	

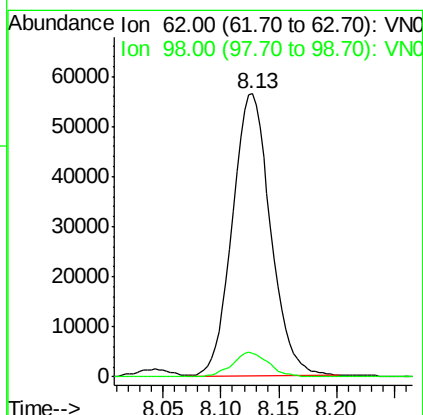
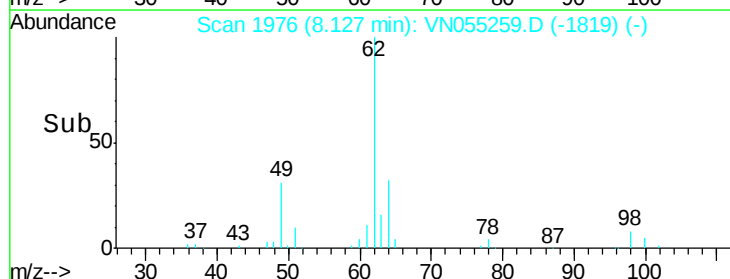
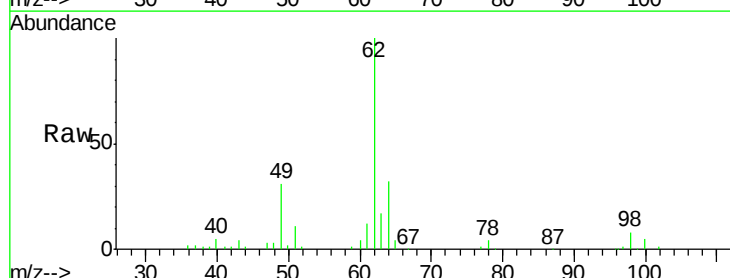
Manual Integrations
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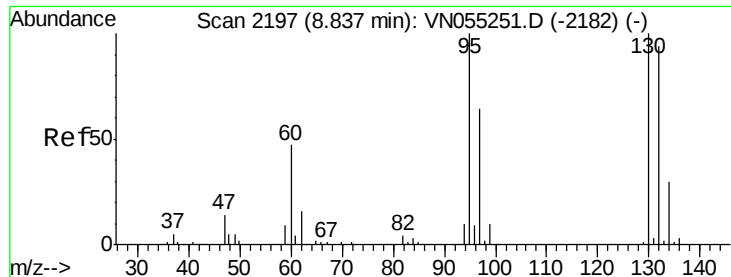
MMDadoda
4/26/2019 10:58:15 AM



#36
1,2-Dichloroethane
Concen: 20.230 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	6.8	10.2	





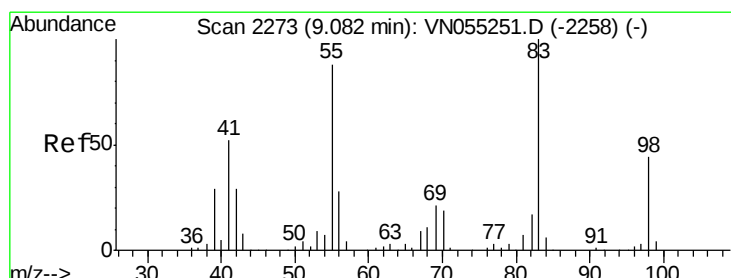
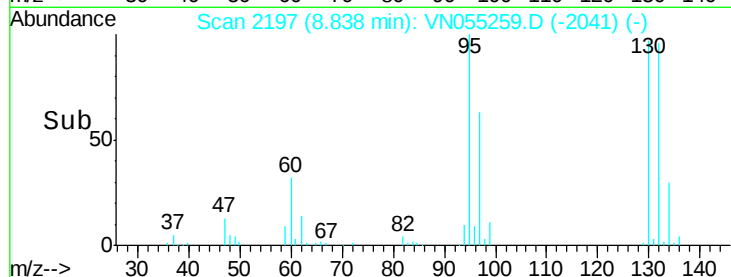
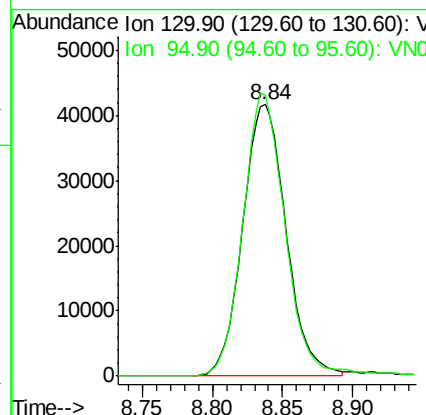
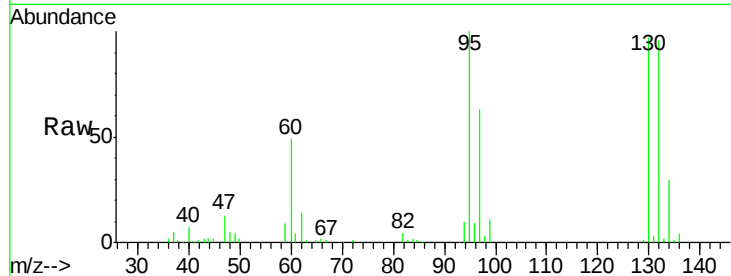
#37
 Trichloroethene
 Concen: 19.972 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100				
95	103.4	79.9	119.9		

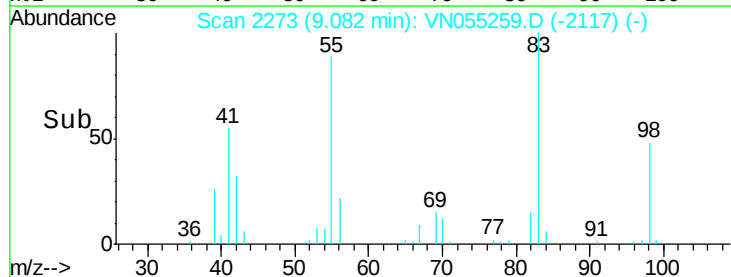
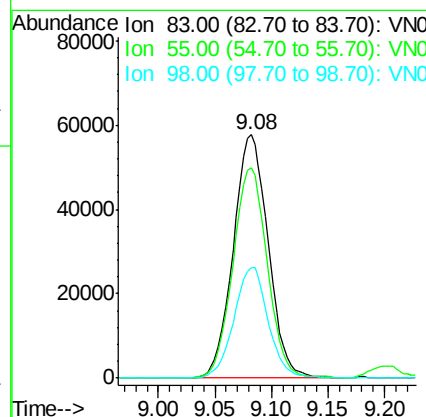
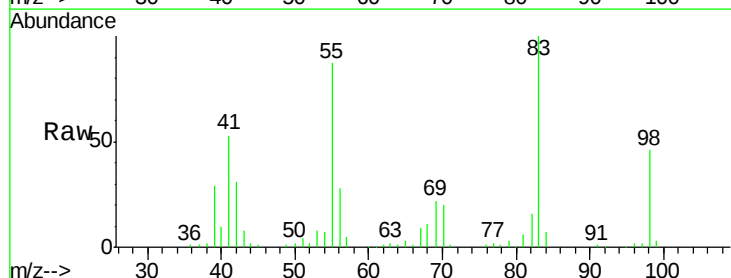
Manual Integrations
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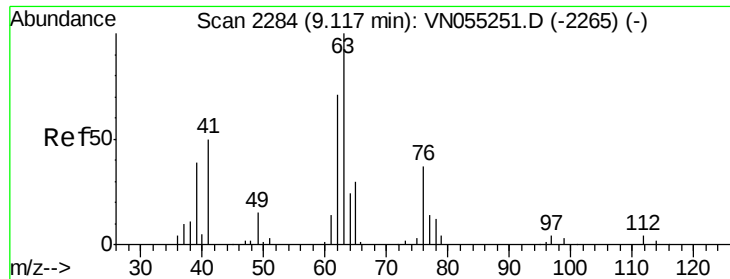
MMdadoda
 4/26/2019 10:58:15 AM



#38
 Methylcyclohexane
 Concen: 19.441 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
55	85.4	43.8	131.4		
98	44.7	22.4	67.2		





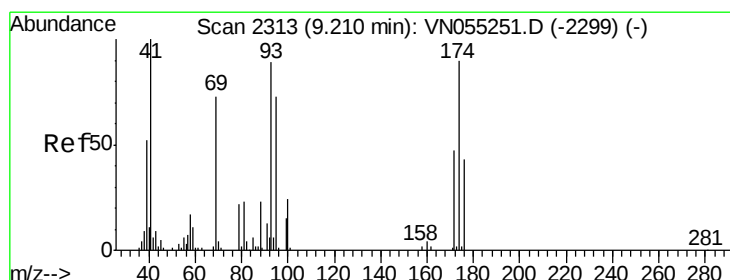
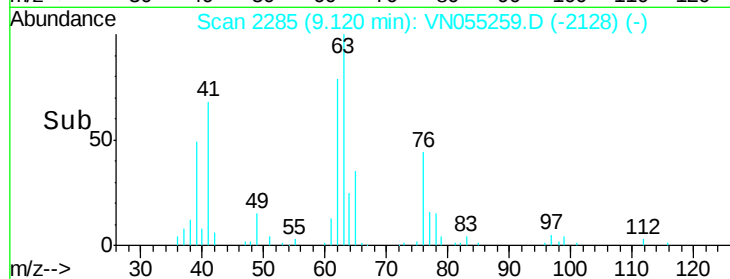
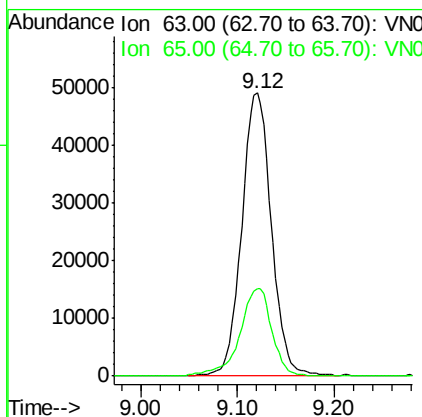
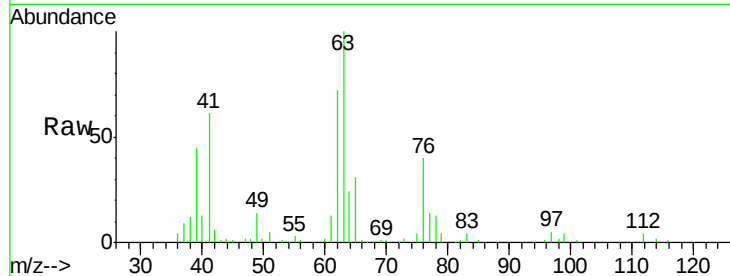
#39
 1,2-Dichloropropane
 Concen: 20.471 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	63	Resp	104496
Ion Ratio	Lower	Upper	
63	100		
65	31.1	24.6	36.8

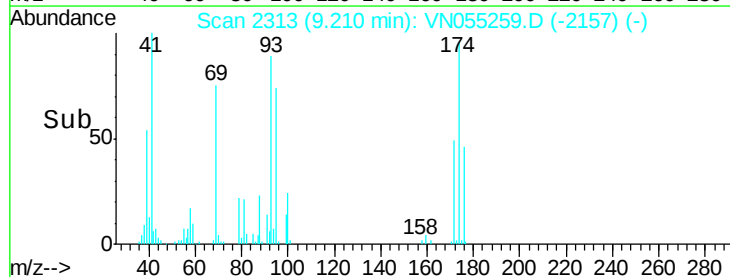
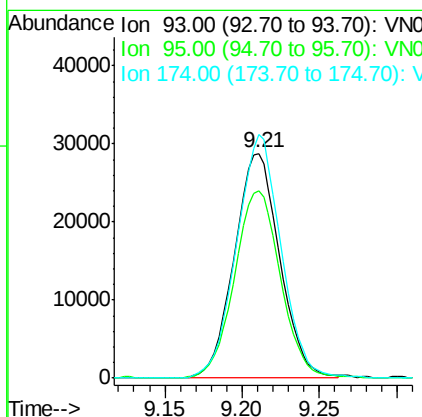
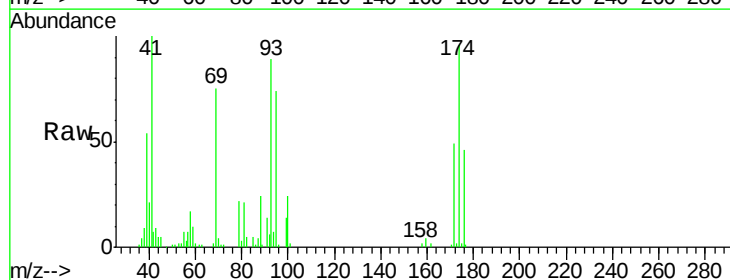
Manual Integrations
 APPROVED

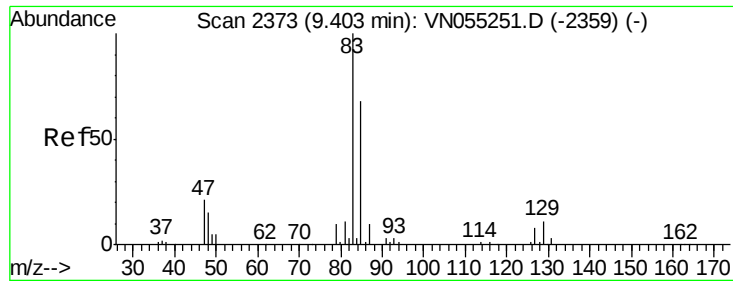
MMDadoda
 4/26/2019 10:58:15 AM



#40
 Dibromomethane
 Concen: 19.869 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	93	Resp	58765
Ion Ratio	Lower	Upper	
93	100		
95	84.5	0.0	164.8
174	106.2	0.0	203.4





#41

Bromodichloromethane

Concen: 20.252 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

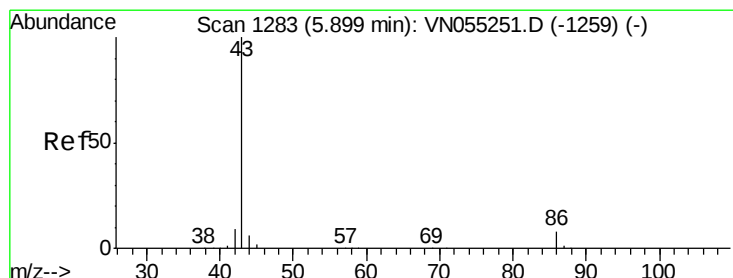
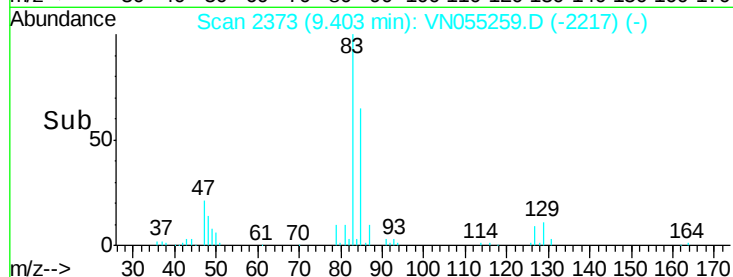
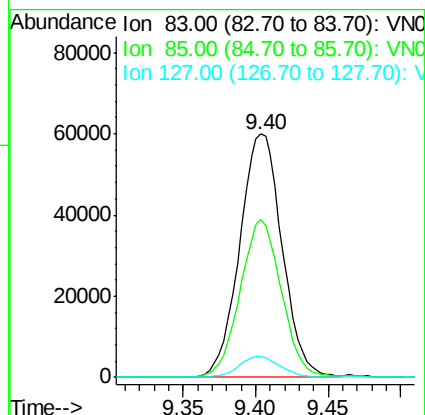
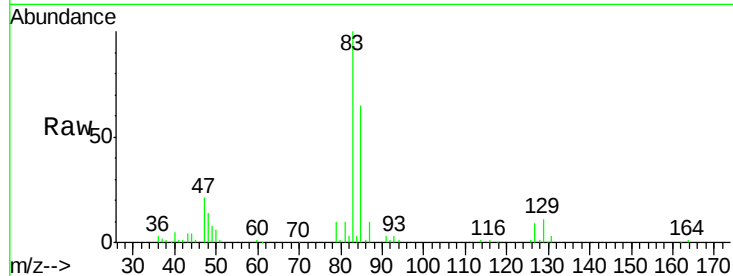
ClientSampleId :

VN0426WBS01

Tot Ion:	83	Resp:	121820
Ion Ratio	Lower	Upper	
83	100		
85	65.0	54.5	81.7
127	8.7	6.4	9.6

Manual Integrations
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MMdadoda
4/26/2019 10:58:15 AM



#42

Vinyl Acetate

Concen: 96.737 ug/l

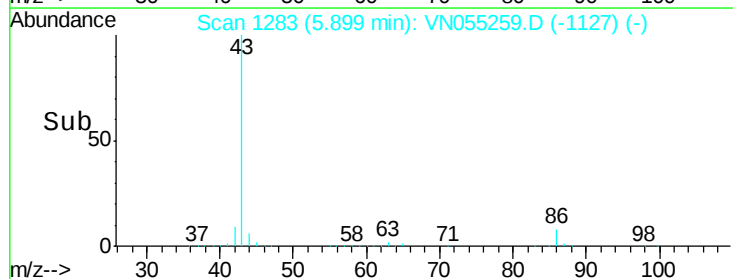
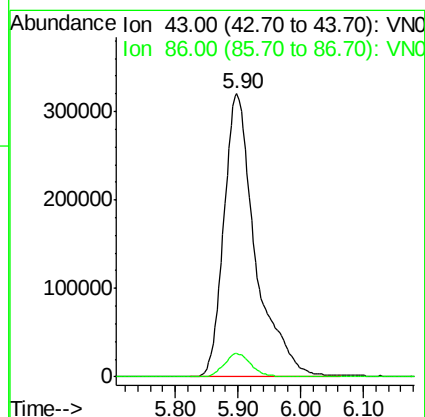
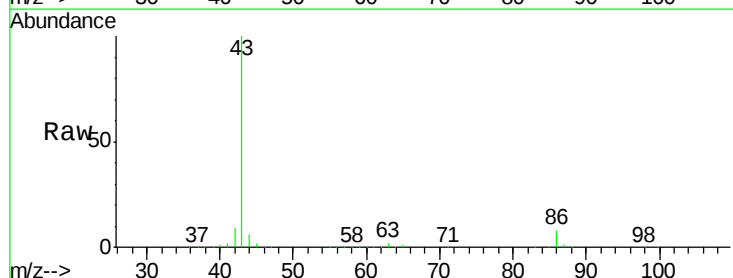
RT: 5.90 min Scan# 1283

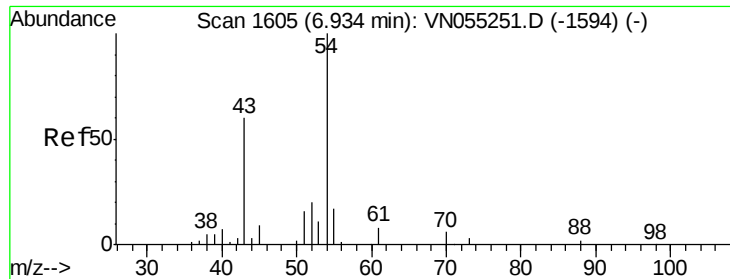
Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion:	43	Resp:	1118202
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.7	8.5





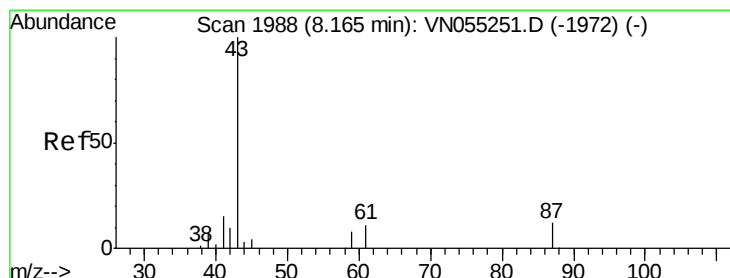
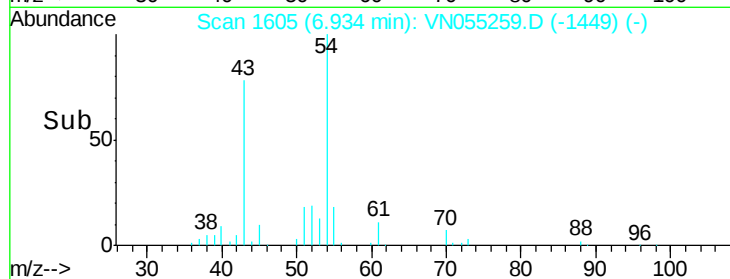
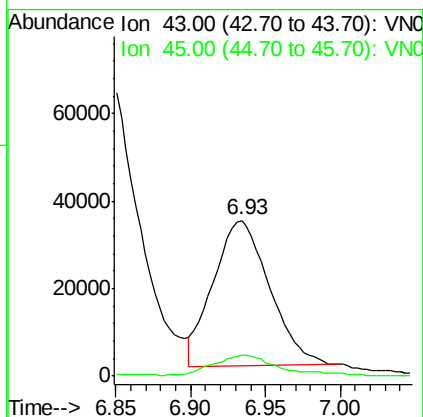
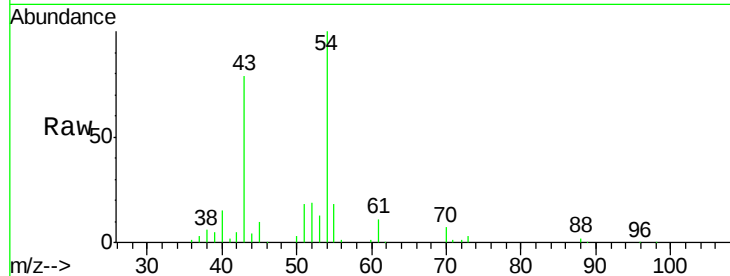
#43
Ethyl Acetate
Concen: 17.493 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	43	45	Ratio	Lower	Upper
87508	100	13.8		9.6	14.4

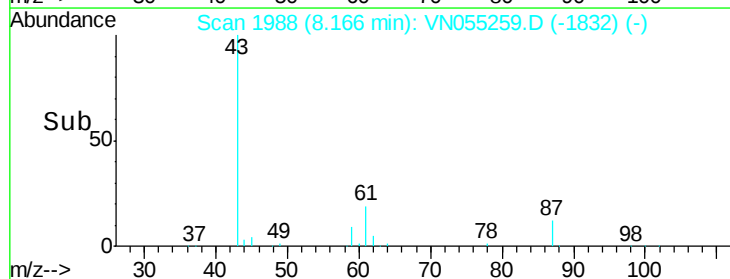
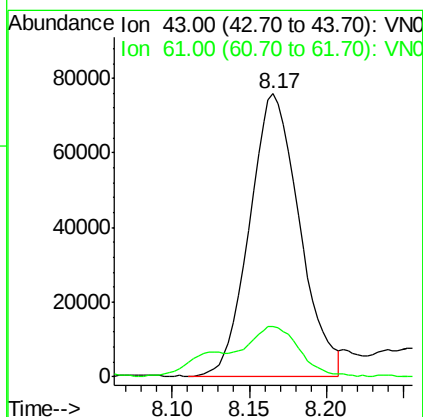
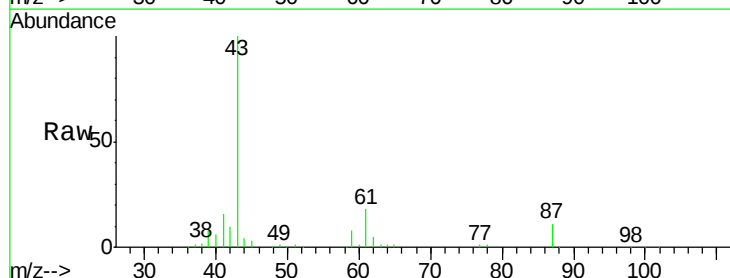
Manual Integrations
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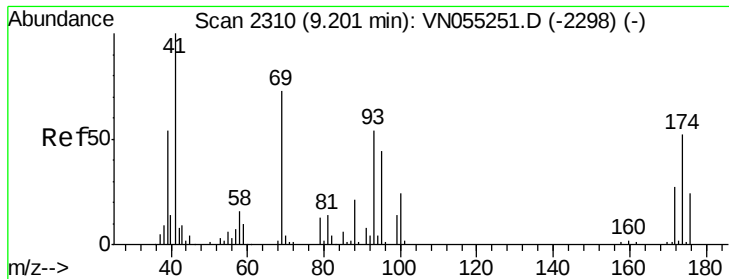
MMDadoda
4/26/2019 10:58:15 AM



#44
Isopropyl Acetate
Concen: 18.459 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	43	61	Ratio	Lower	Upper
169923	100	17.0		12.6	18.8





#45

1,4-Dioxane

Concen: 389.963 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

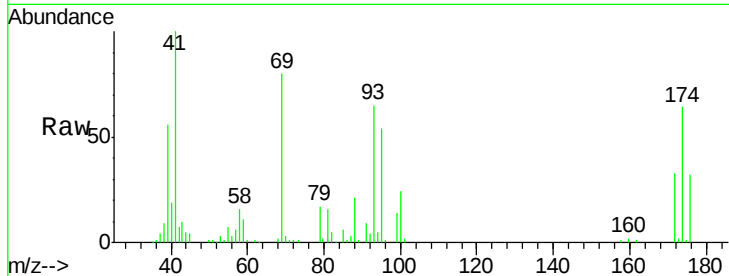
ClientSampleId :

VN0426WBS01

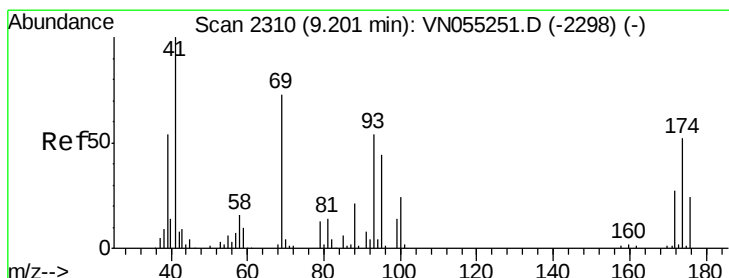
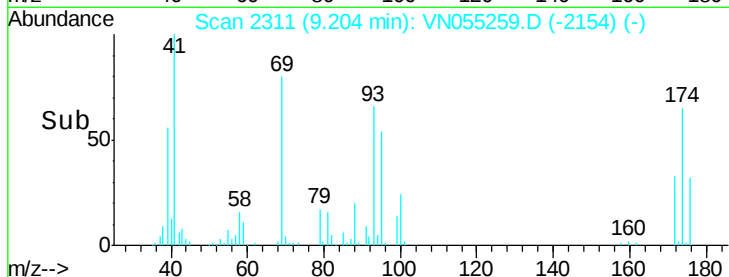
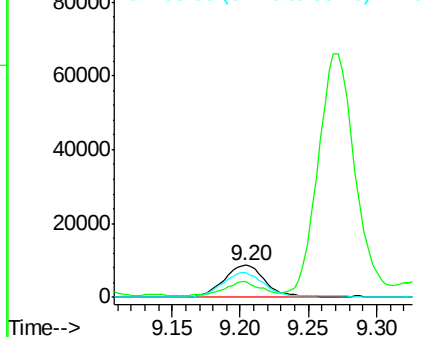
Tot Ion:	88	Resp:	18604
Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.4	44.0
58	77.1	62.4	93.6

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.570 ug/l

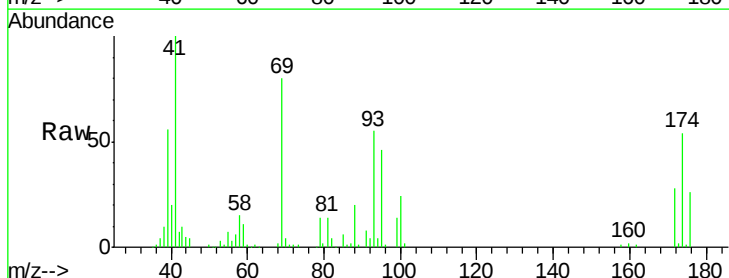
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

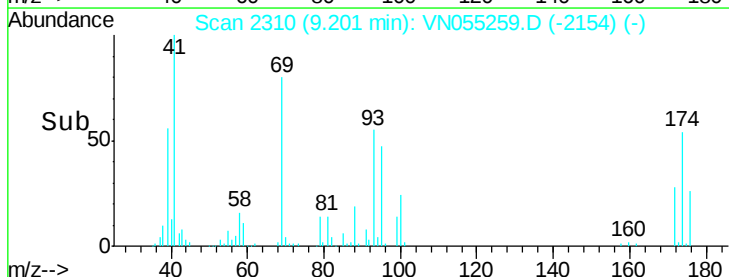
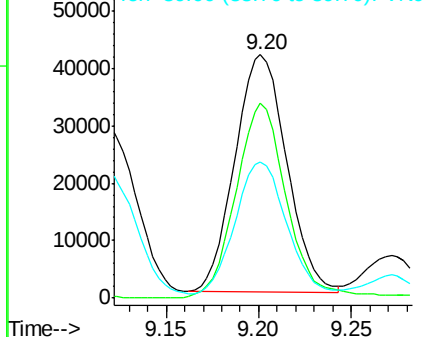
Lab File: VN055259.D

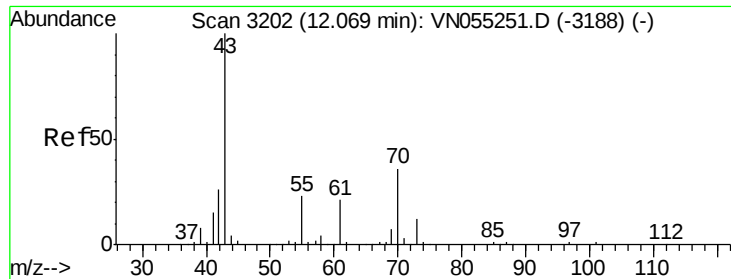
Acq: 25 Apr 2019 22:38

Tgt Ion:	41	Resp:	80487
Ion	Ratio	Lower	Upper
41	100		
69	81.1	36.4	109.3
39	55.8	26.9	80.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





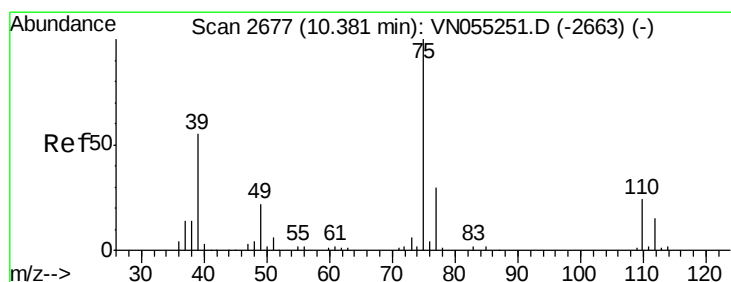
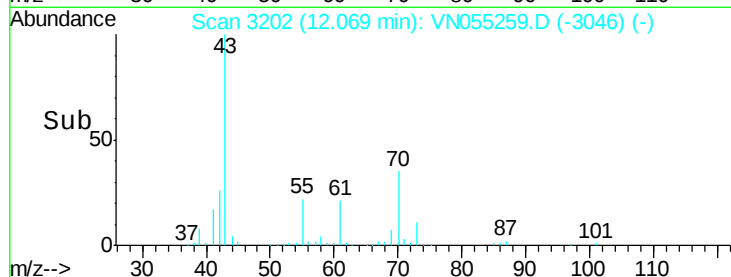
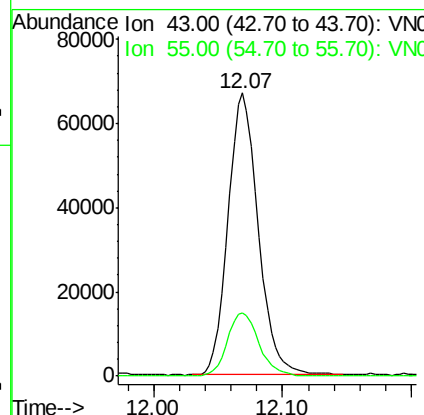
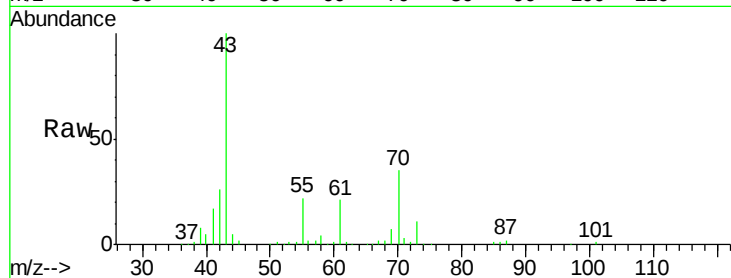
#47
n-amyl Acetate
Concen: 16.563 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion: 43 Resp: 108460
Ion Ratio Lower Upper
43 100
55 23.6 18.1 27.1

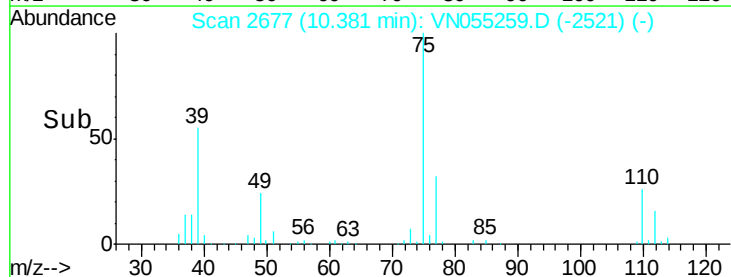
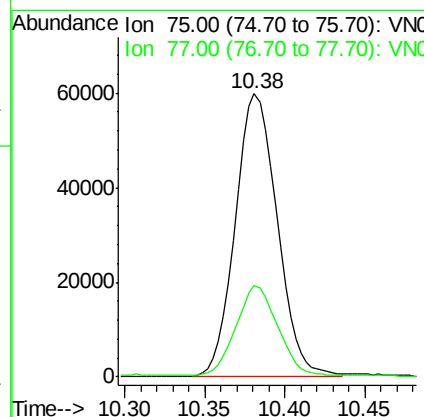
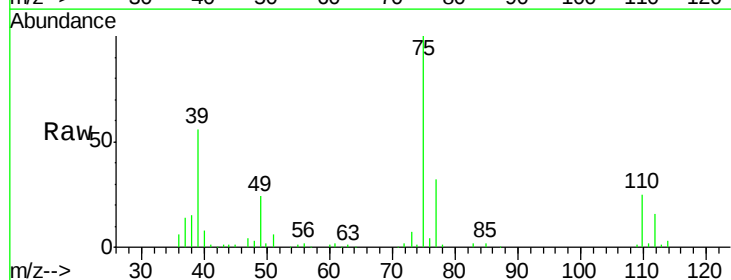
Manual Integrations
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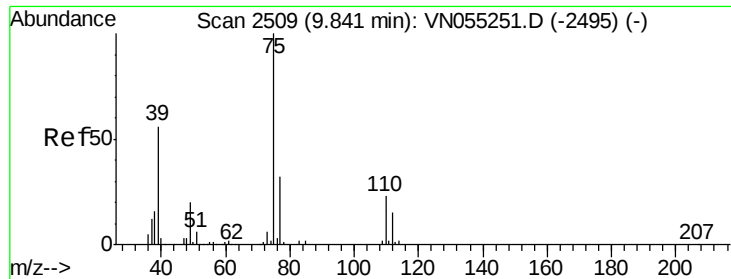
MMdadoda
4/26/2019 10:58:15 AM



#48
t-1,3-Dichloropropene
Concen: 18.185 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 75 Resp: 107633
Ion Ratio Lower Upper
75 100
77 31.5 23.9 35.9





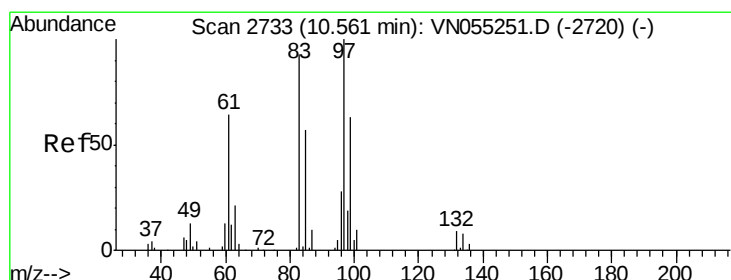
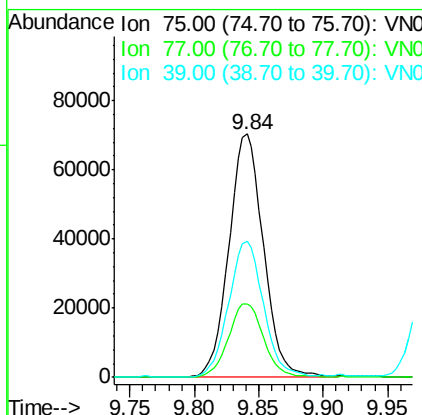
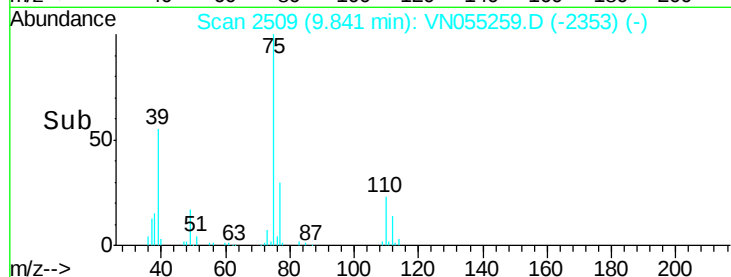
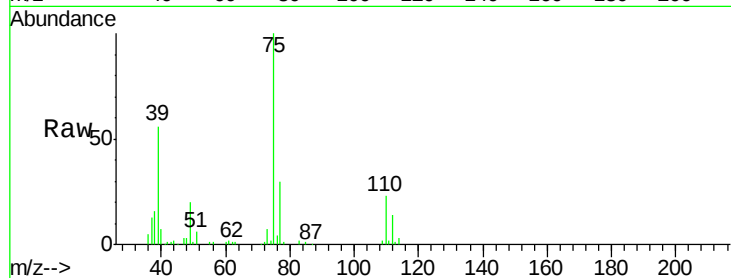
#49
 cis-1,3-Dichloropropene
 Concen: 19.132 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion:	75	Resp:	131372
Ion Ratio	Lower	Upper	
75	100		
77	30.3	25.9	38.9
39	55.5	45.0	67.6

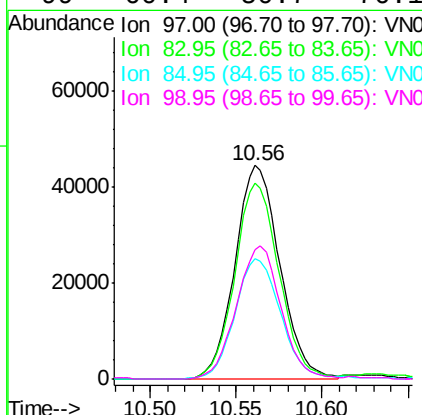
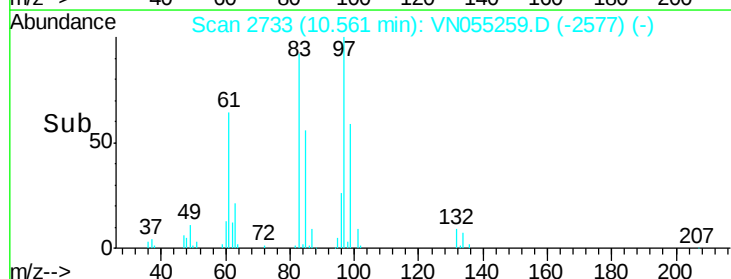
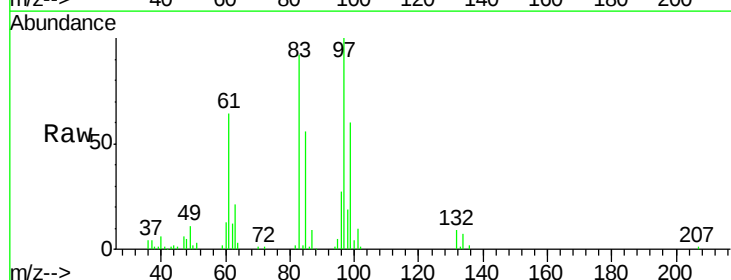
Manual Integrations
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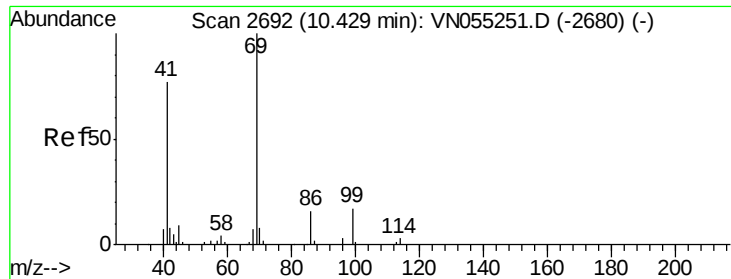
MMdadoda
 4/26/2019 10:58:15 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.965 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion:	97	Resp:	80489
Ion Ratio	Lower	Upper	
97	100		
83	91.5	74.6	111.8
85	55.8	45.4	68.2
99	60.4	50.7	76.1





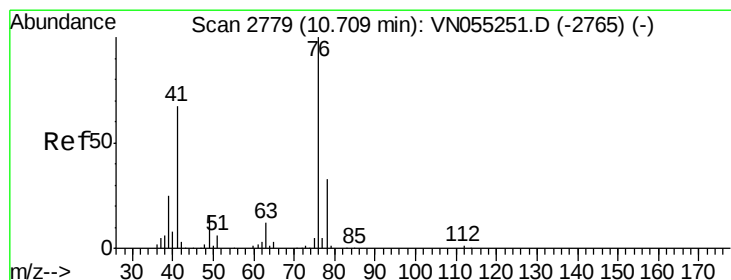
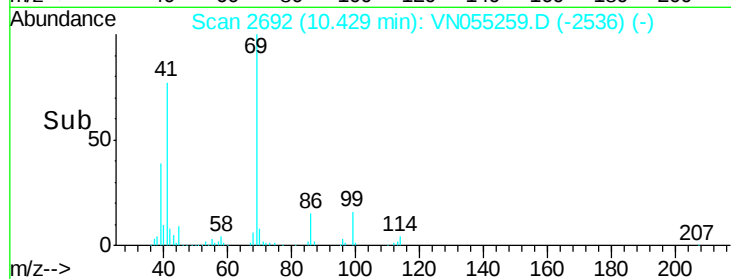
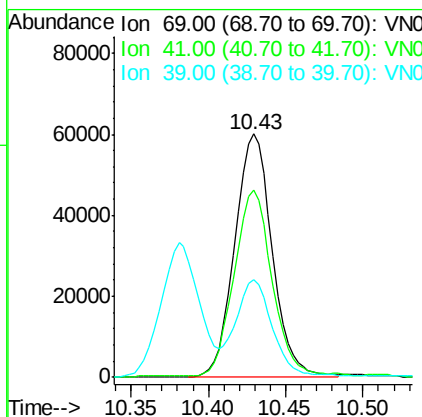
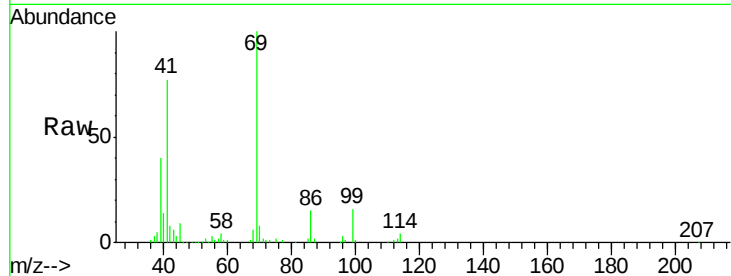
#51
Ethyl methacrylate
Concen: 18.484 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	76.6	38.7	116.1
39	39.0	19.9	59.6

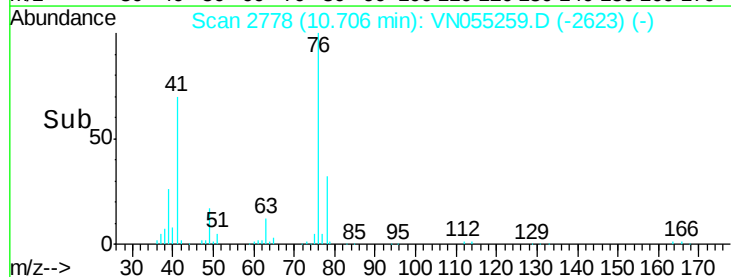
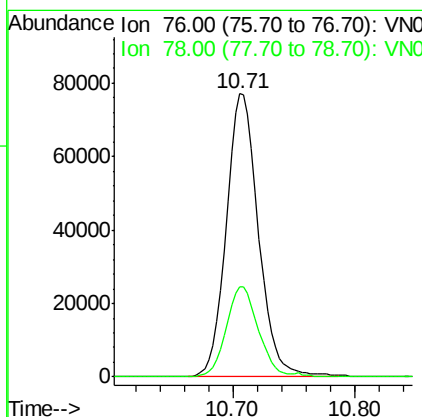
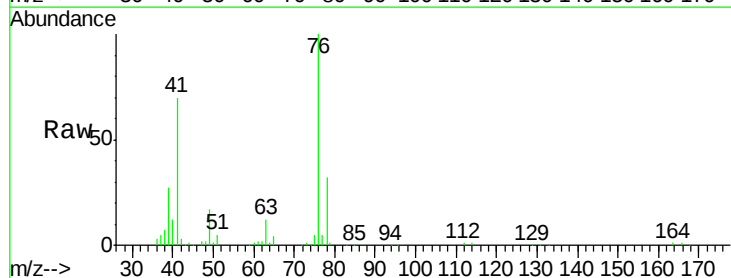
Manual Integrations
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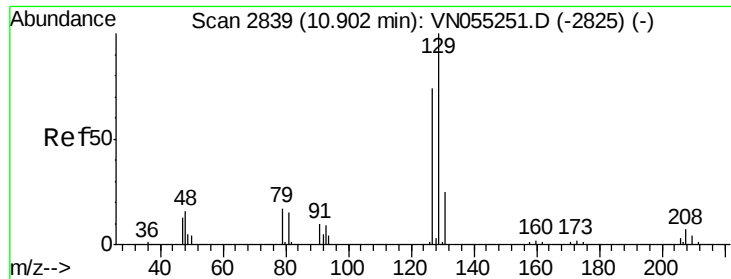
MMDadoda
4/26/2019 10:58:15 AM



#52
1,3-Dichloropropane
Concen: 19.887 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	63.0





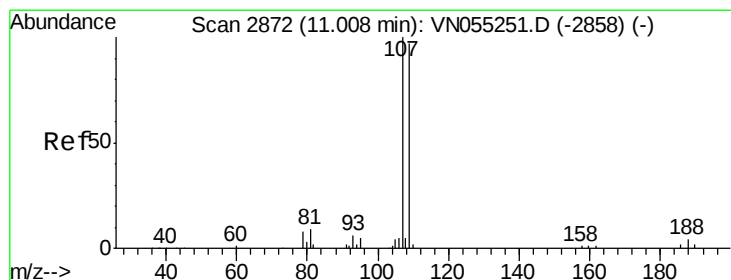
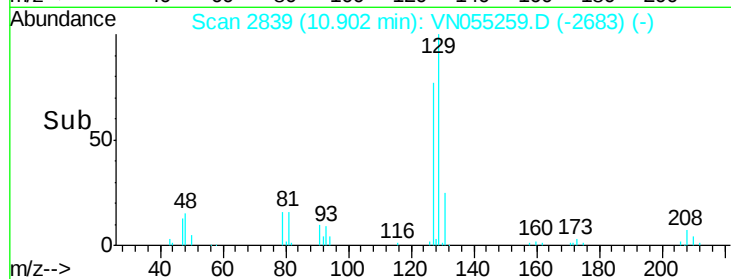
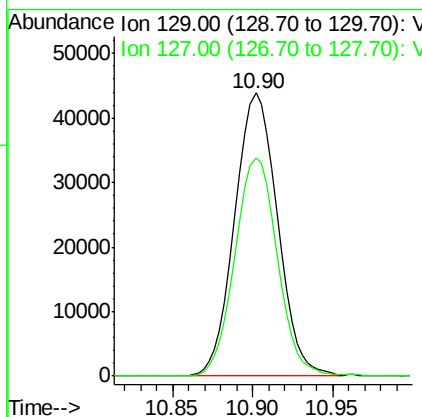
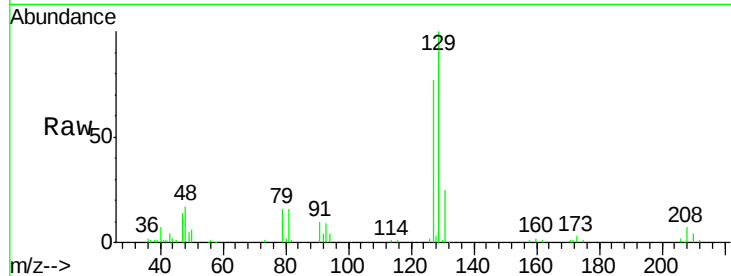
#53
 Dibromochloromethane
 Concen: 19.275 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion:129 Resp: 80363
 Ion Ratio Lower Upper
 129 100
 127 76.4 38.8 116.3

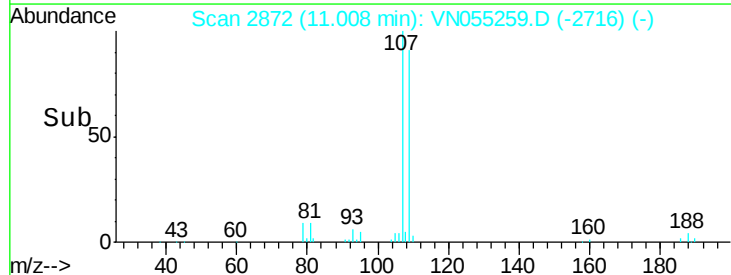
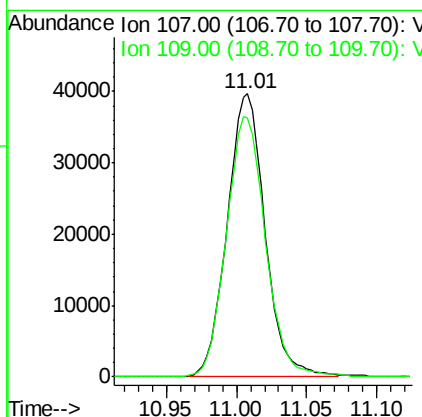
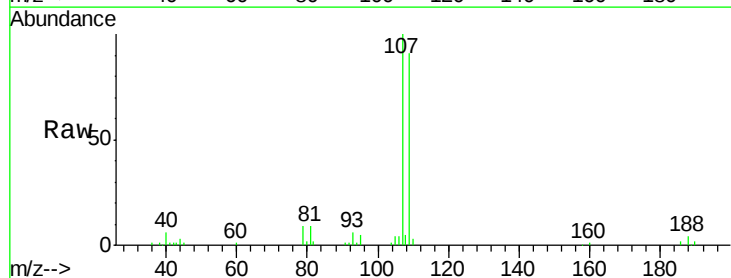
Manual Integrations
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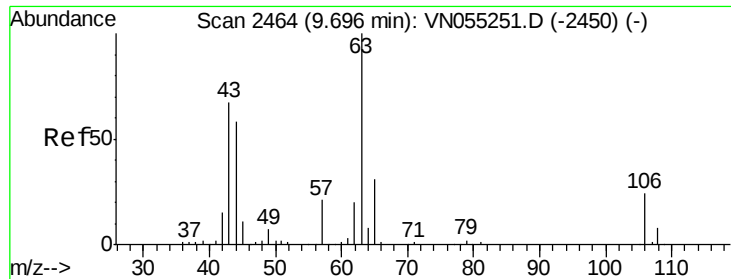
MMdadoda
 4/26/2019 10:58:15 AM



#54
 1,2-Dibromoethane
 Concen: 19.038 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion:107 Resp: 74470
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8





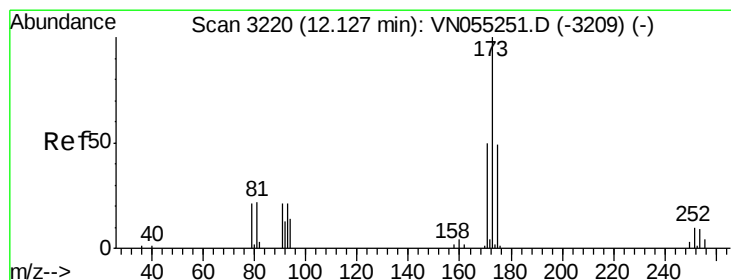
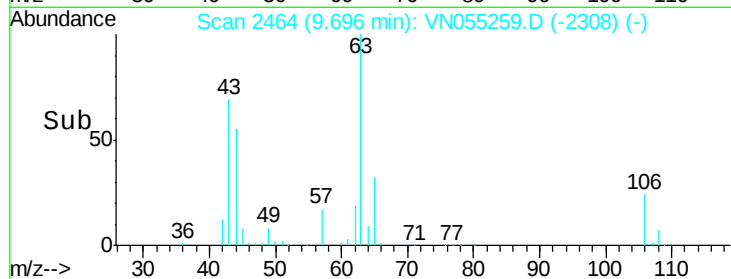
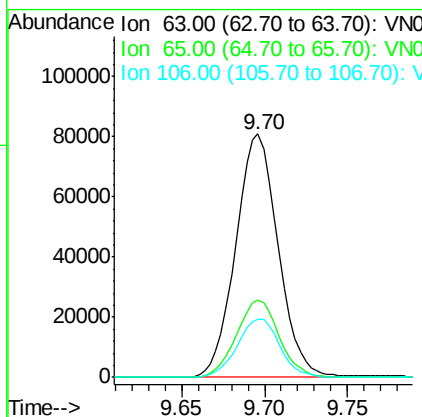
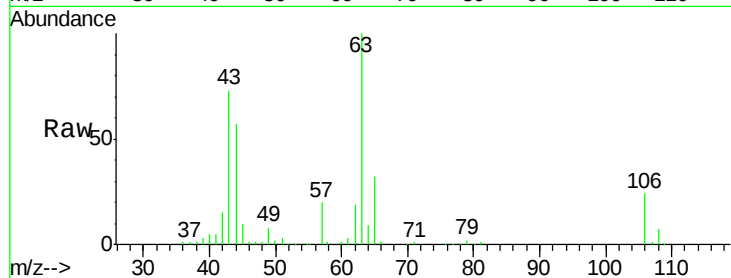
#55
2-Chloroethyl vinyl ether
Concen: 87.278 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleID :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.1	37.7
106	24.3	19.4	29.0

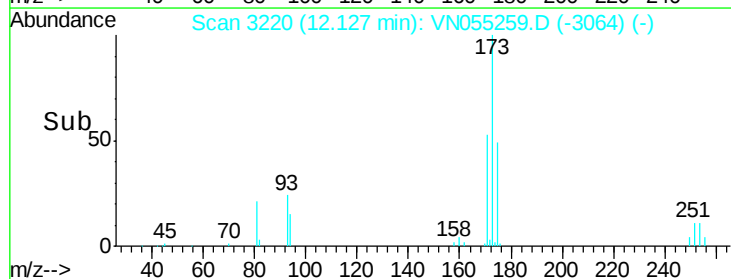
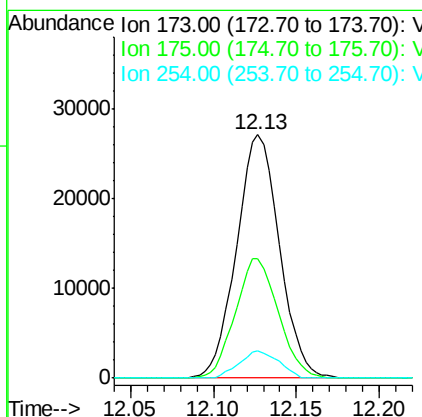
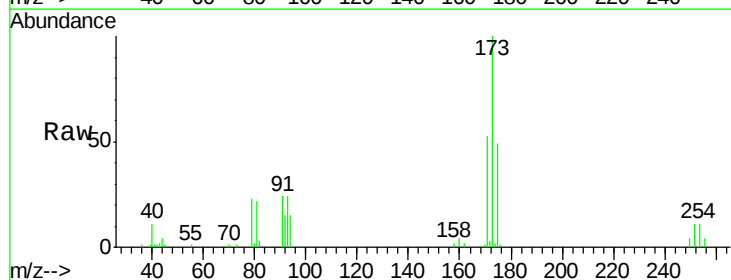
Manual Integrations
APPROVED

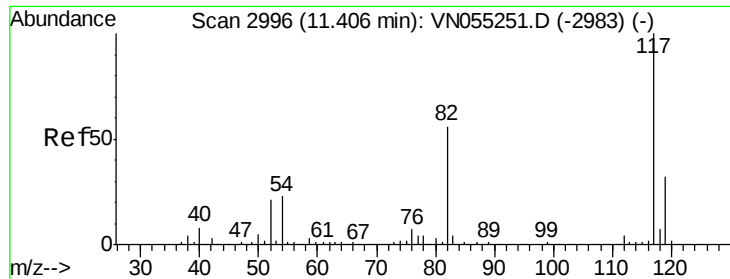
MMDadoda
4/26/2019 10:58:15 AM



#56
Bromoform
Concen: 17.879 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	37.7	56.5
254	10.2	7.8	11.6





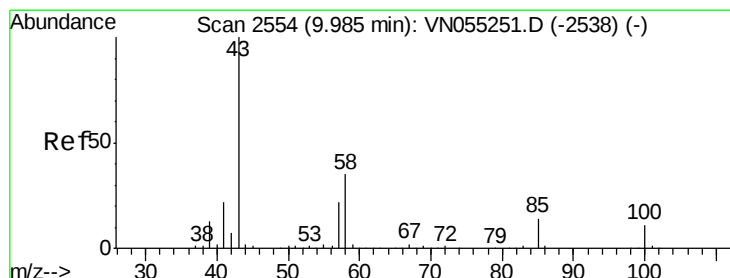
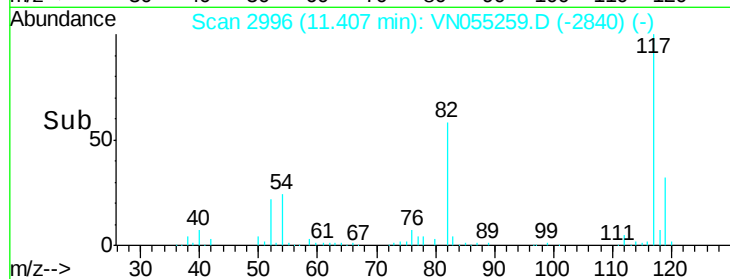
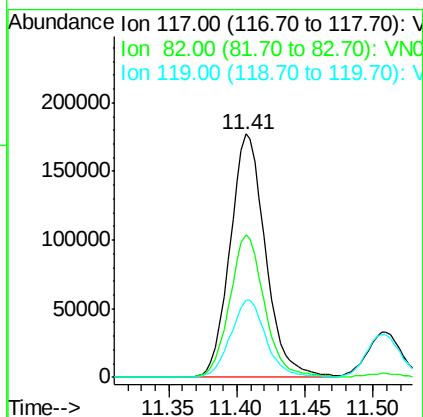
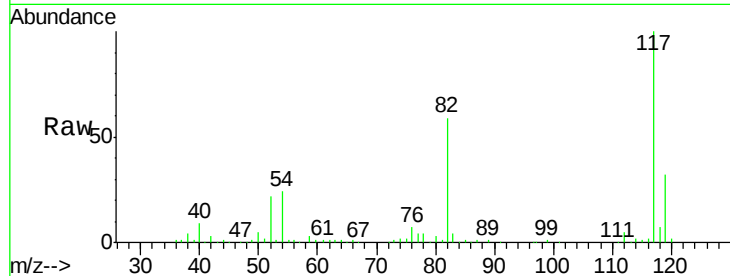
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.3	67.9
119	31.7	25.4	38.0

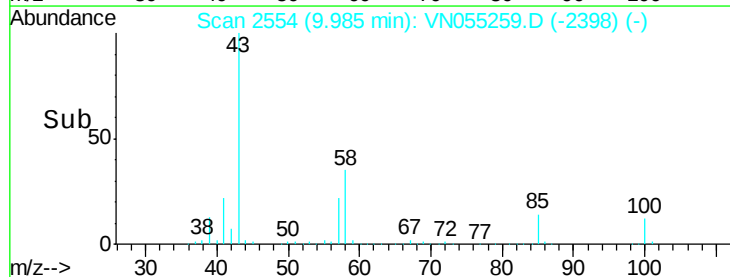
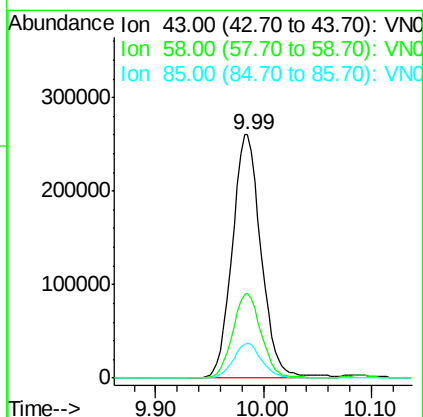
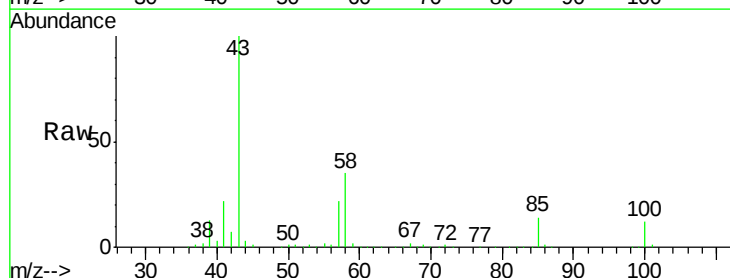
Manual Integrations
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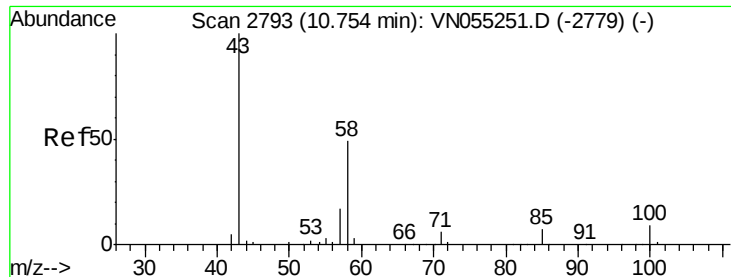
MMdadoda
4/26/2019 10:58:15 AM



#58
4-Methyl-2-Pentanone
Concen: 97.229 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.6	43.0
85	14.1	11.4	17.2





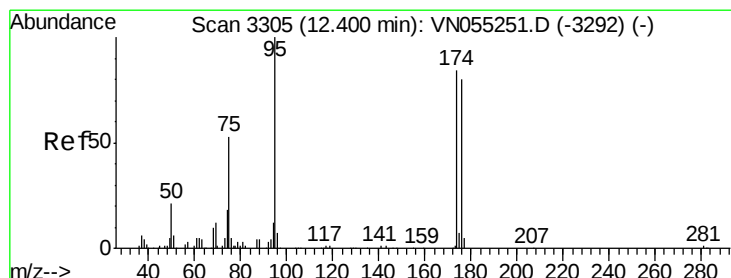
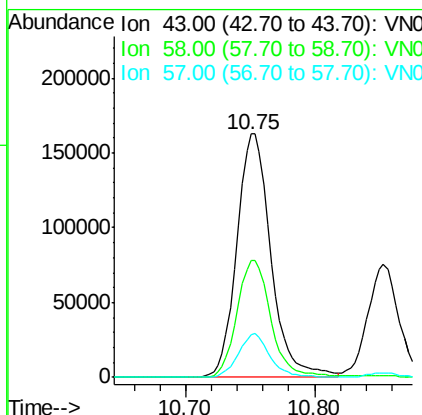
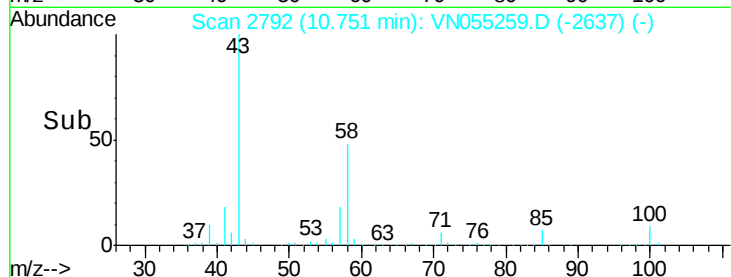
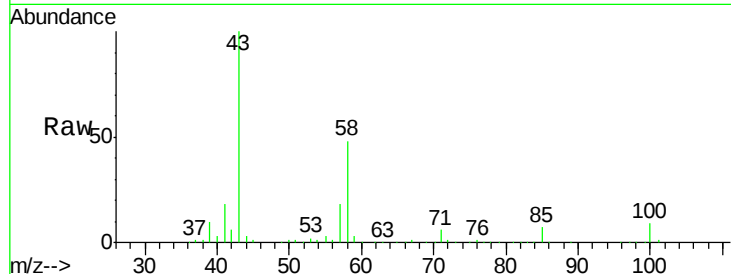
#59
2-Hexanone
Concen: 93.101 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	39.0	58.6
57	16.7	13.4	20.2

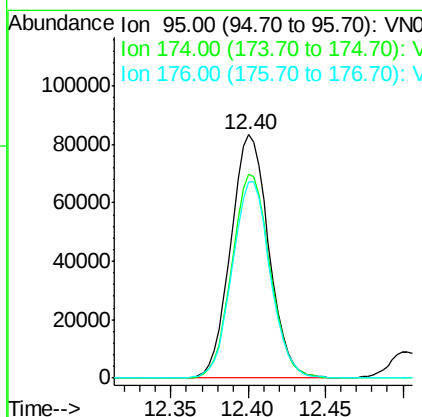
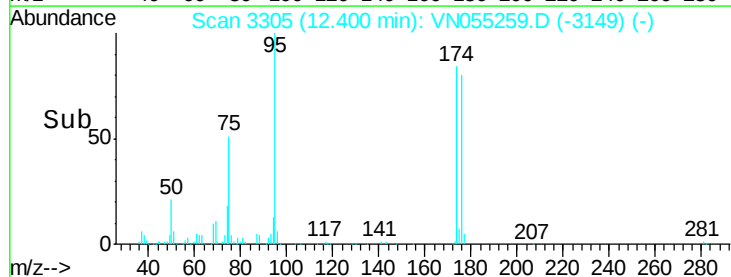
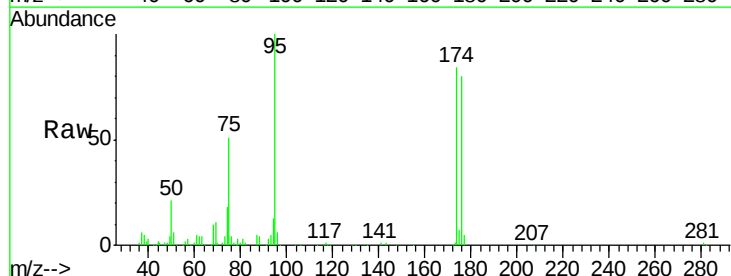
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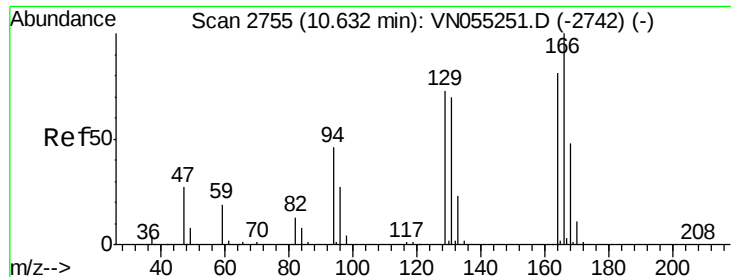
MMdadoda
4/26/2019 10:58:15 AM



#60
4-Bromofluorobenzene
Concen: 28.981 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	68.1	102.1
176	80.9	65.8	98.6





#61

Tetrachloroethene

Concen: 21.441 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion:164 Resp: 88936

Ion Ratio Lower Upper

164 100

166 124.7 98.6 147.8

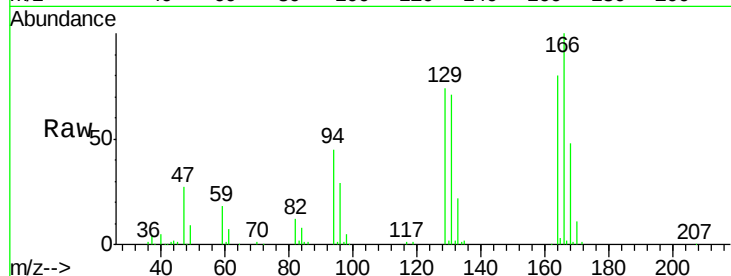
129 91.9 72.4 108.6

131 87.6 69.2 103.8

Manual Integrations
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MMdadoda

4/26/2019 10:58:15 AM

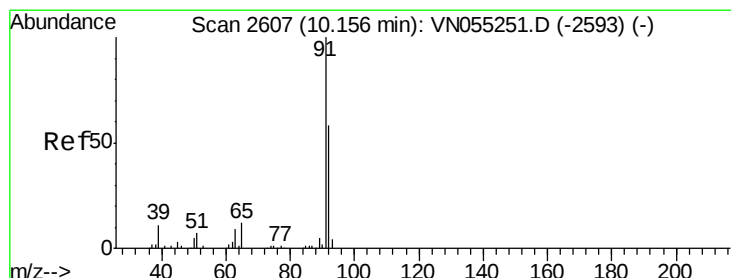
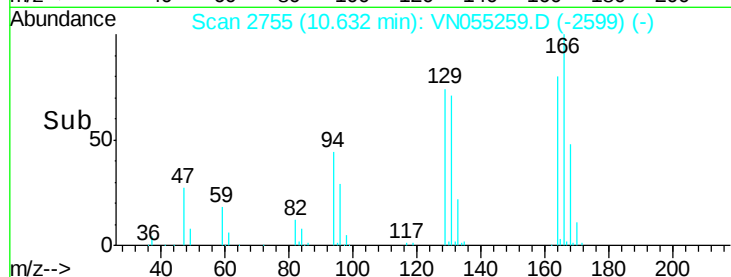
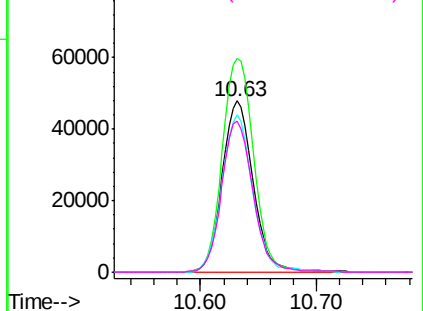


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055259.D

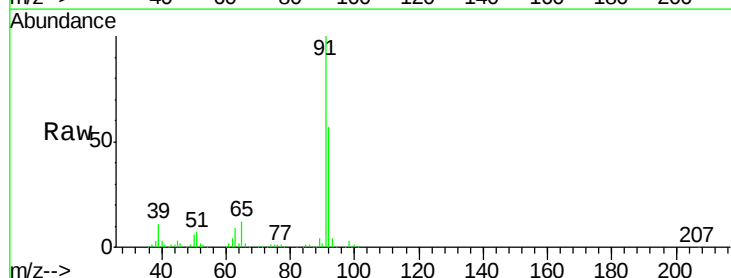
Acq: 25 Apr 2019 22:38

Tgt Ion: 91 Resp: 376117

Ion Ratio Lower Upper

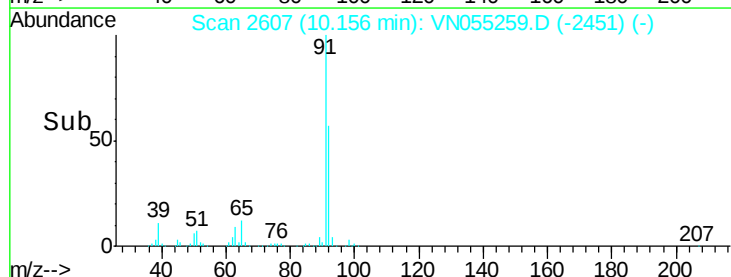
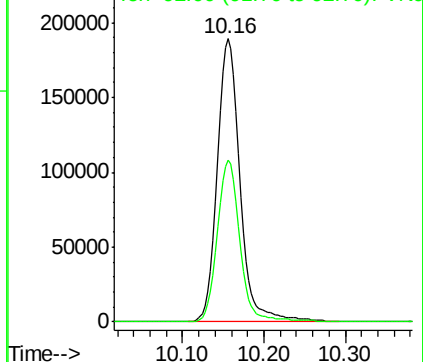
91 100

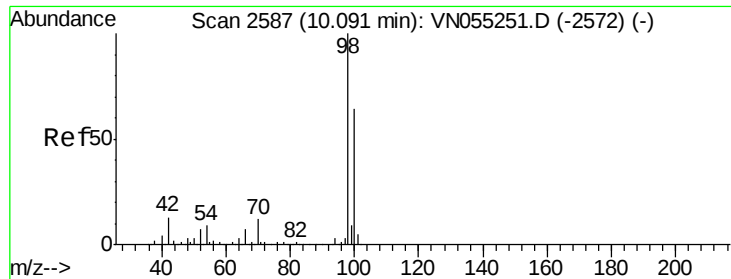
92 56.4 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





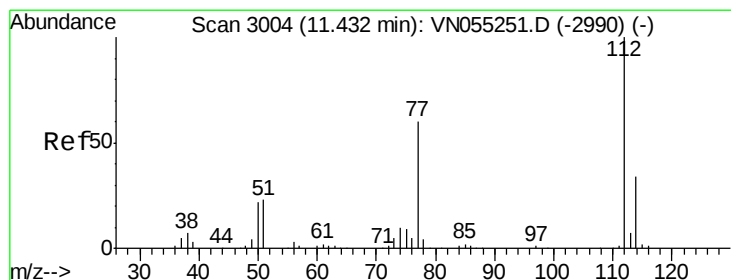
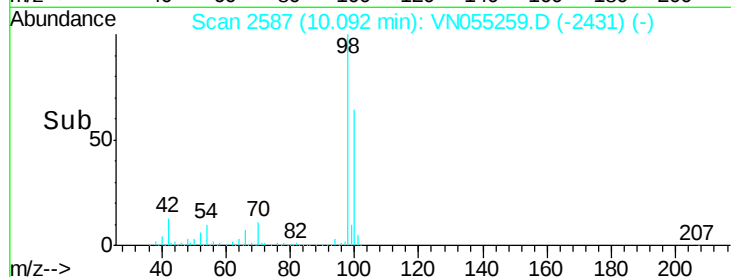
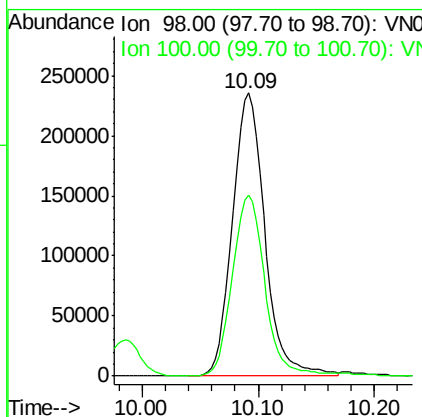
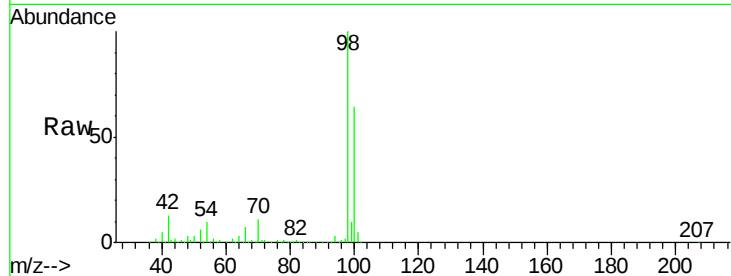
#63
Toluene-d8
Concen: 30.034 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion: 98 Resp: 456129
Ion Ratio Lower Upper
98 100
100 63.5 50.0 75.0

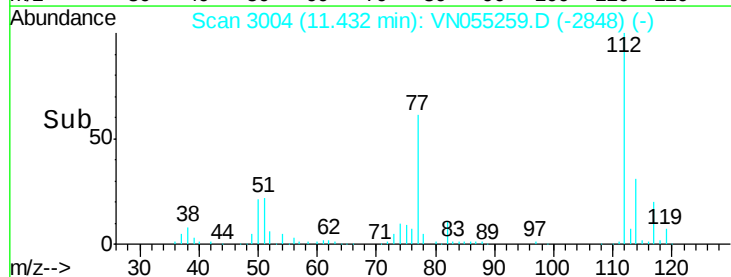
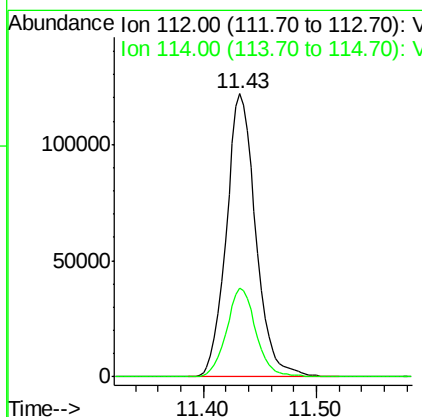
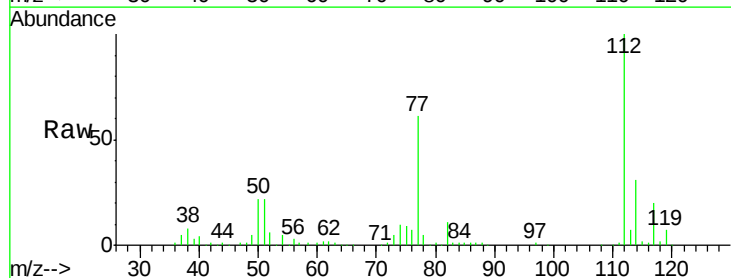
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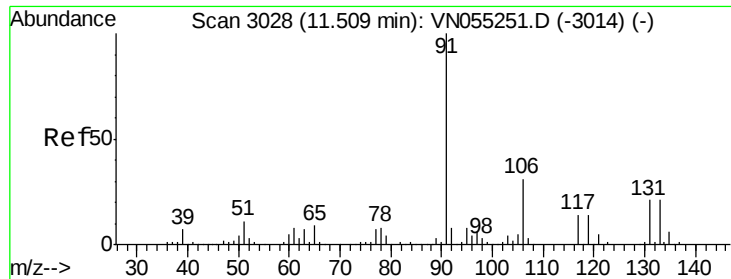
MMdadoda
4/26/2019 10:58:15 AM



#64
Chlorobenzene
Concen: 20.542 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 112 Resp: 220099
Ion Ratio Lower Upper
112 100
114 31.4 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.488 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

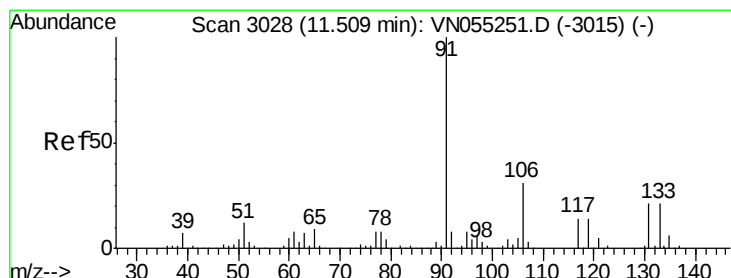
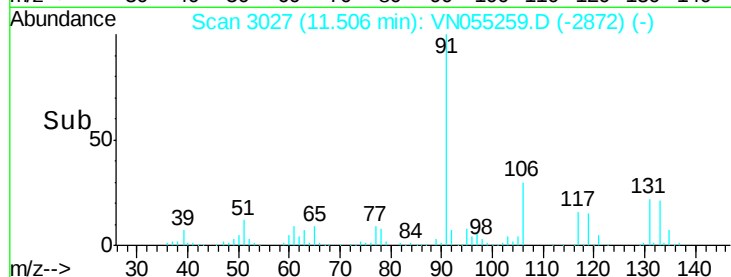
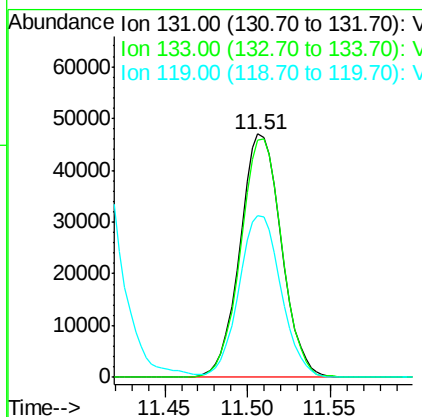
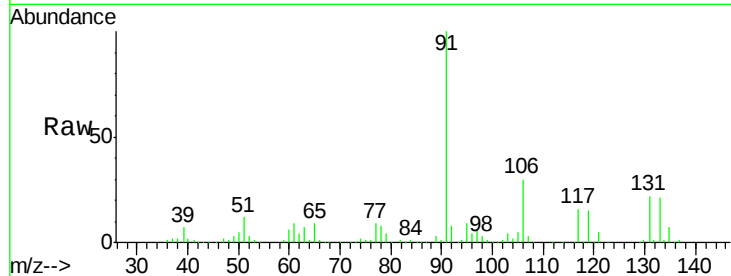
ClientSampled :

VN0426WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.2	0.0	195.6
119	67.5	0.0	135.0

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4/26/2019 10:58:15 AM



#66

Ethyl Benzene

Concen: 20.406 ug/l

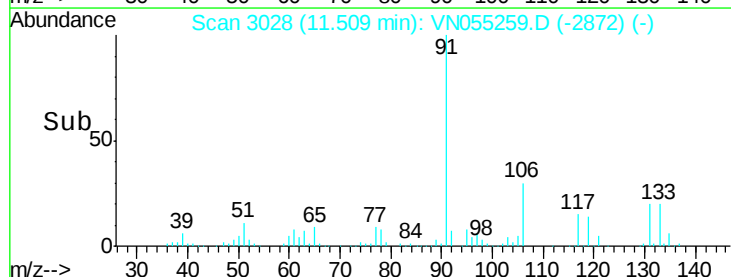
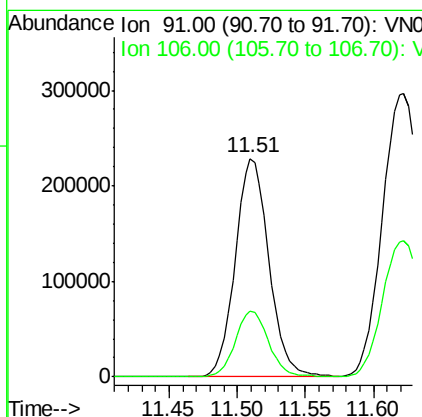
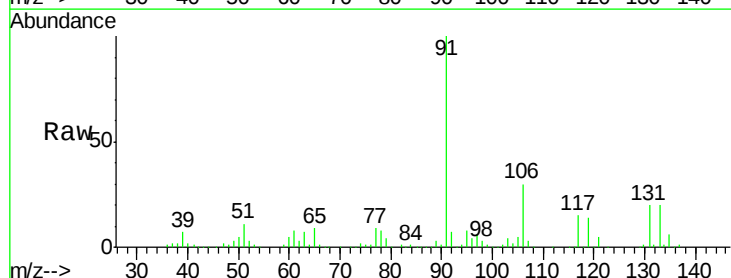
RT: 11.51 min Scan# 3028

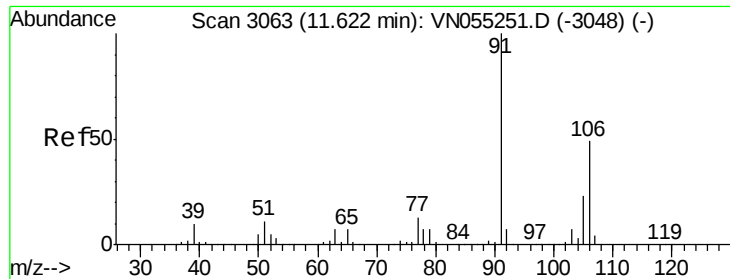
Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7





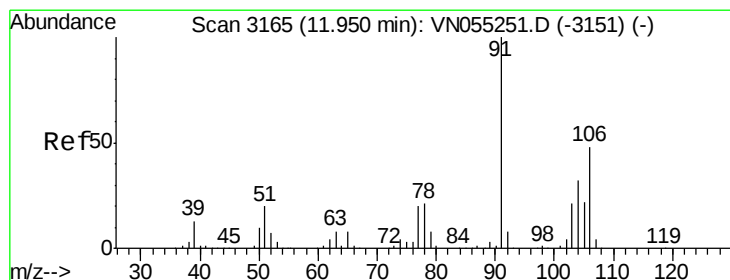
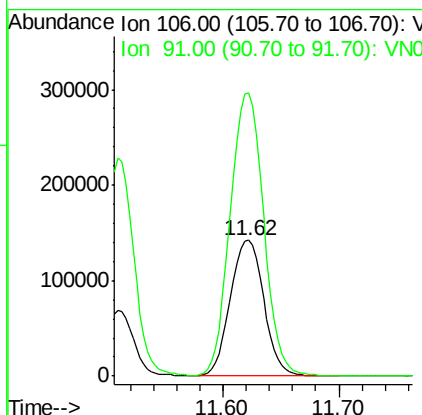
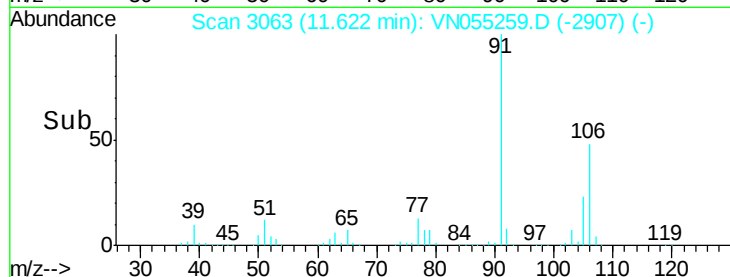
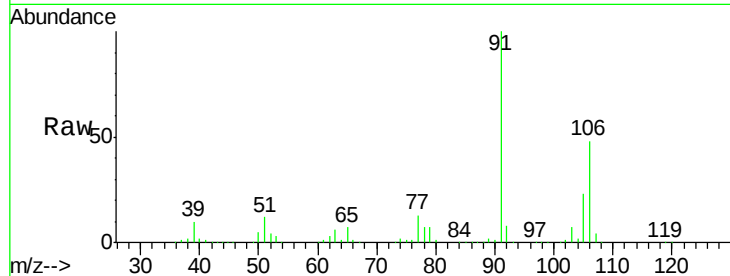
#67
m/p-Xvlenes
Concen: 40.722 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion:106 Resp: 286645
Ion Ratio Lower Upper
106 100
91 207.4 165.4 248.2

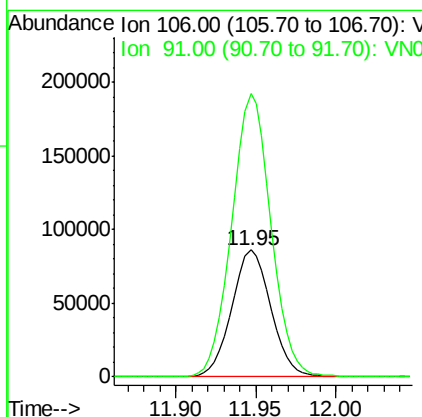
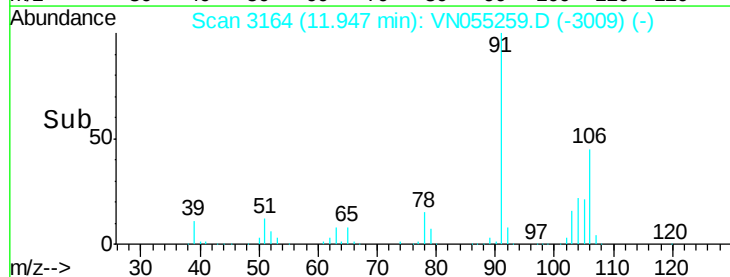
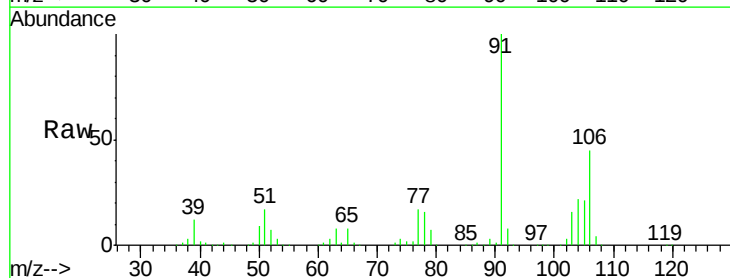
Manual Integrations
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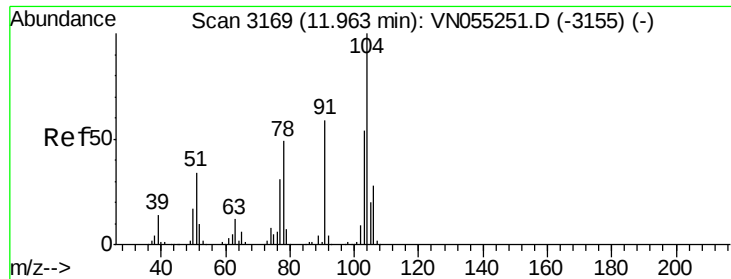
MMDadoda
4/26/2019 10:58:15 AM



#68
o-Xylene
Concen: 20.476 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion:106 Resp: 143852
Ion Ratio Lower Upper
106 100
91 222.8 106.8 320.4





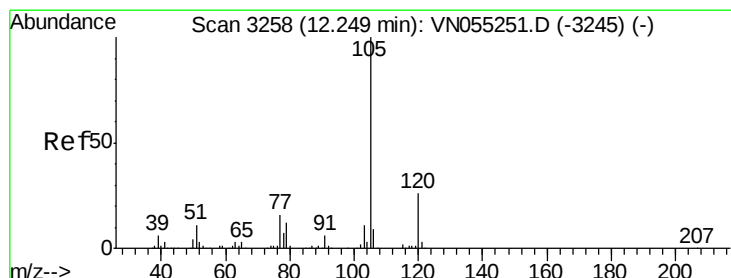
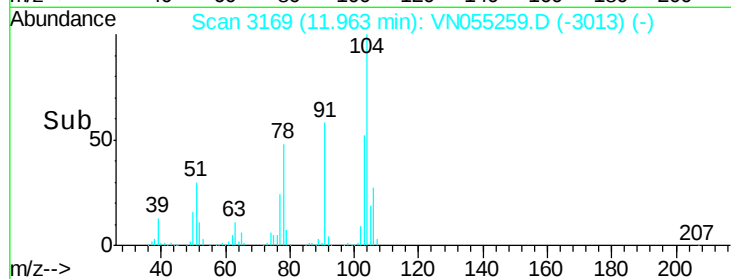
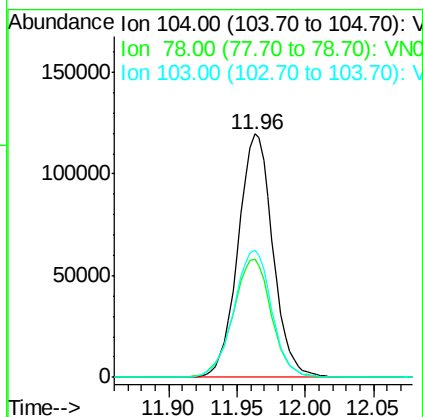
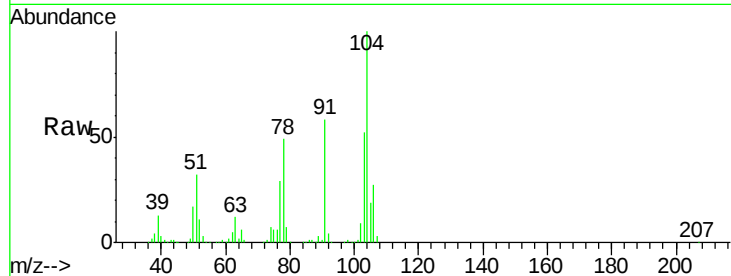
#69
Stvrene
Concen: 19.465 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.4	63.6
103	56.7	45.3	67.9

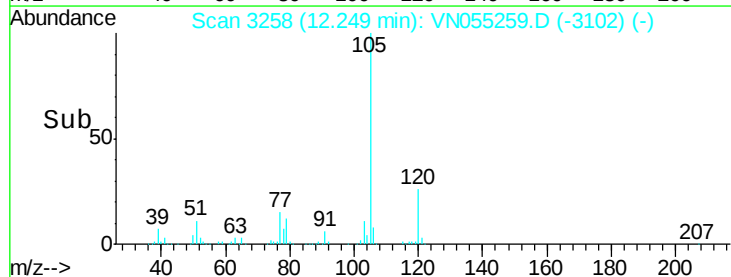
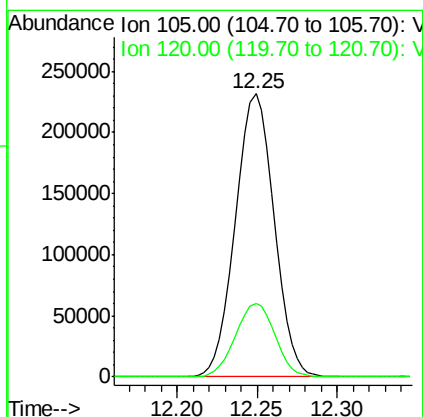
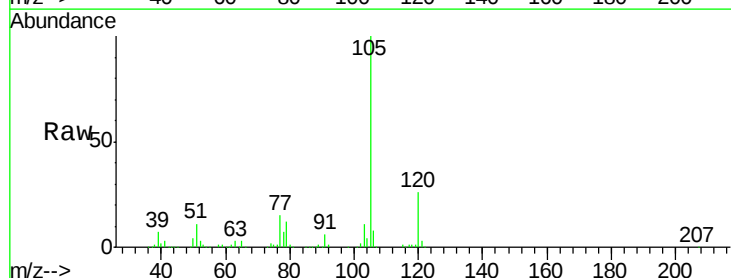
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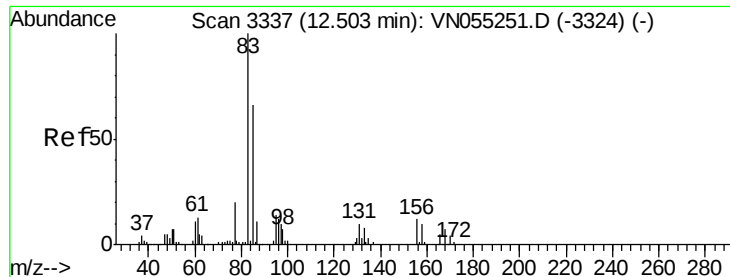
MMDadoda
4/26/2019 10:58:15 AM



#70
Isopropylbenzene
Concen: 20.690 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.1	33.7





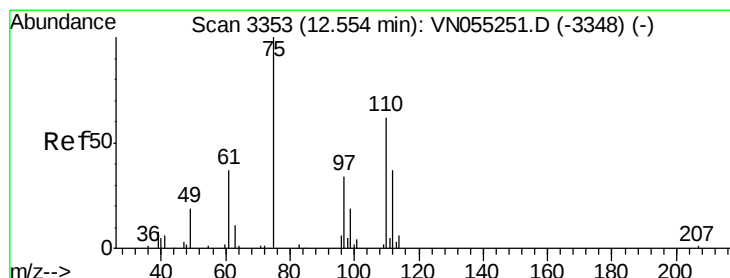
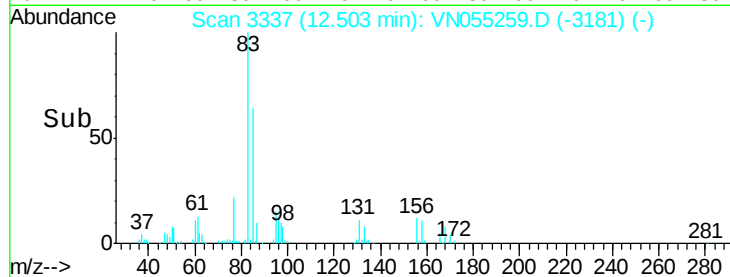
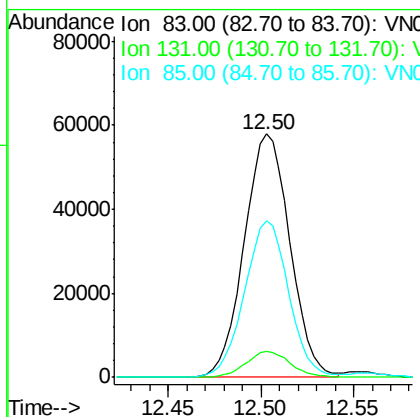
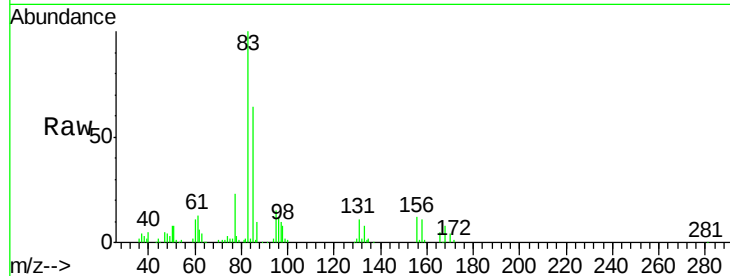
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.565 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	83	Resp	99720
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.0	14.9
85	62.2	32.3	96.8

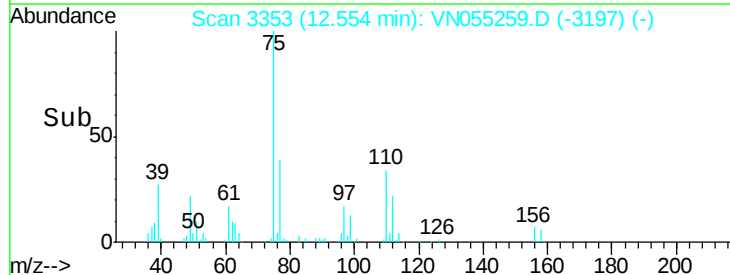
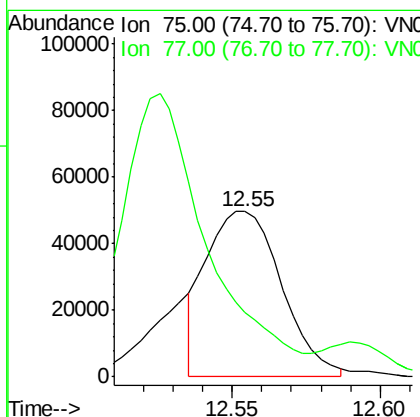
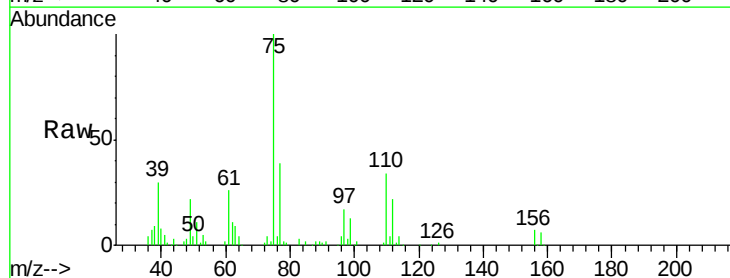
Manual Integrations
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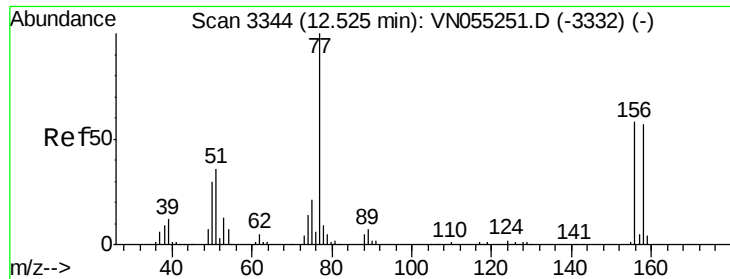
MMDadoda
 4/26/2019 10:58:15 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.978 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	75	Resp	88271
Ion Ratio	100	Lower	Upper
75	100		
77	198.5	0.0	410.2





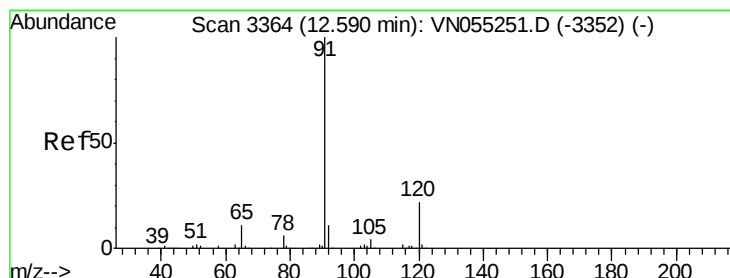
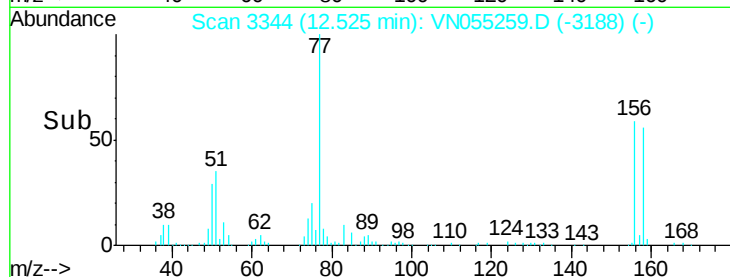
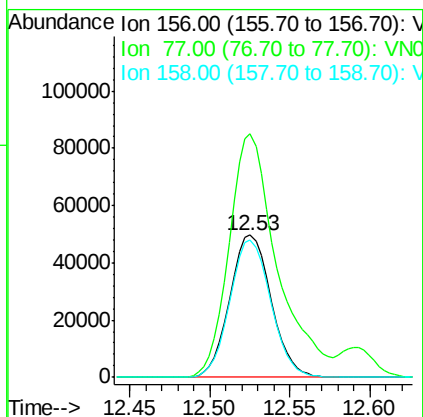
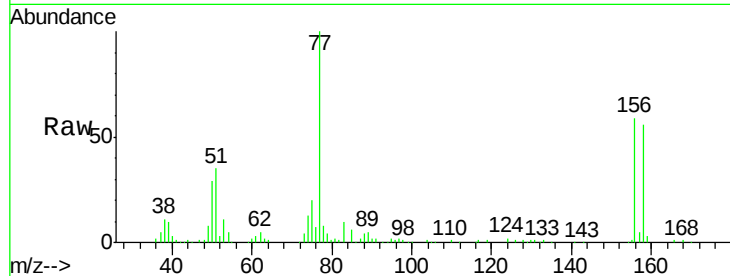
#73
Bromobenzene
Concen: 19.976 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.5	0.0	403.2
158	95.4	0.0	195.8

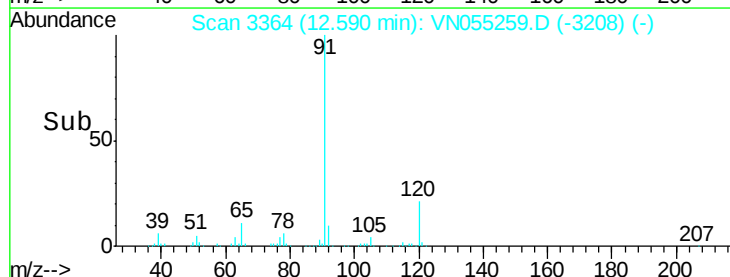
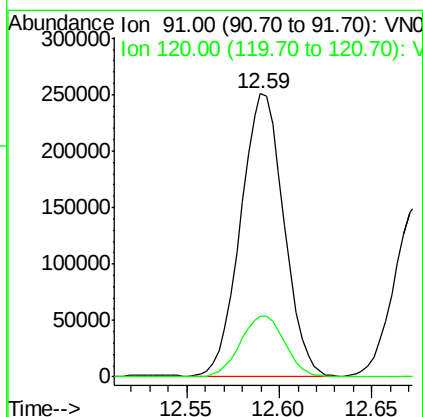
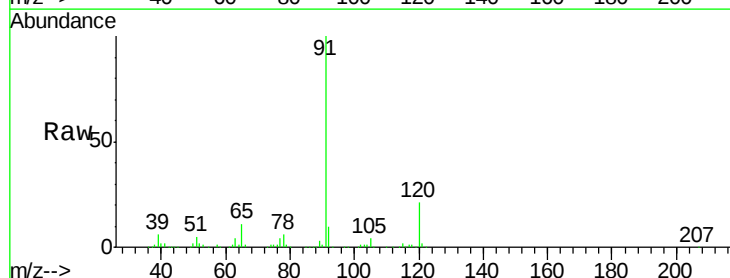
Manual Integrations
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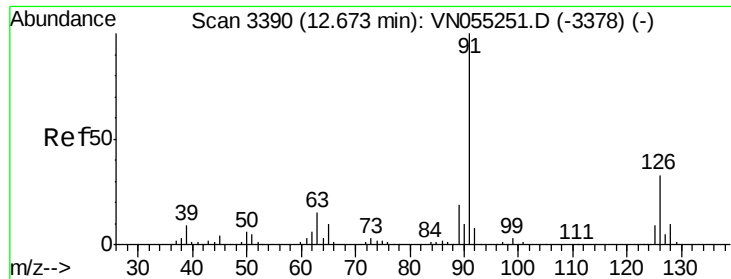
MMDadoda
4/26/2019 10:58:15 AM



#74
n-propylbenzene
Concen: 19.723 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.257 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

VN0426WBS01

Tot Ion: 91 Resp: 256442

Ion Ratio Lower Upper

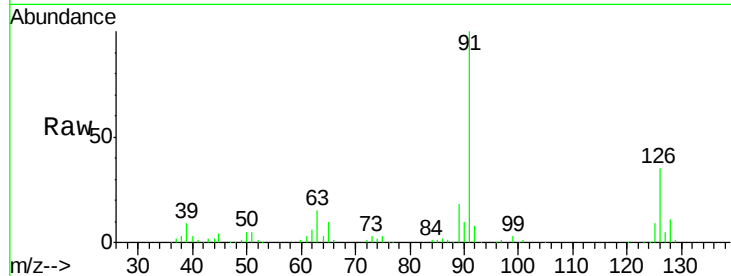
91 100

126 34.1 0.0 65.8

Manual Integrations
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MMdadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN055259.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055259.D (-3378) (-)

250000

200000

150000

100000

50000

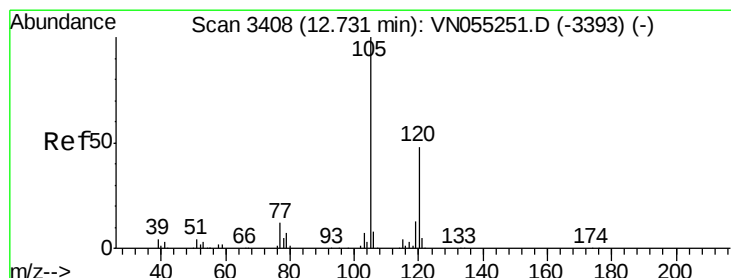
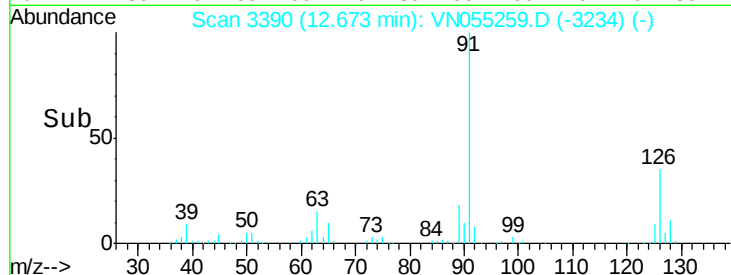
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.879 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055259.D

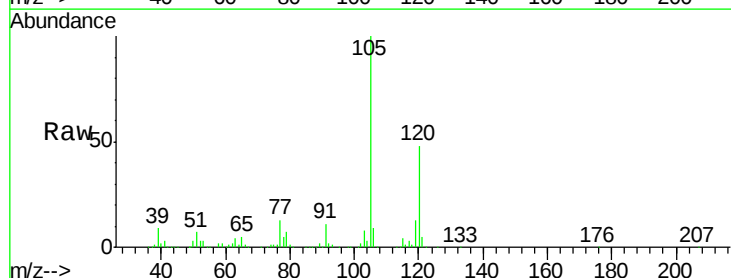
Acq: 25 Apr 2019 22:38

Tgt Ion: 105 Resp: 301689

Ion Ratio Lower Upper

105 100

120 48.1 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055259.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055259.D (-3393) (-)

200000

150000

100000

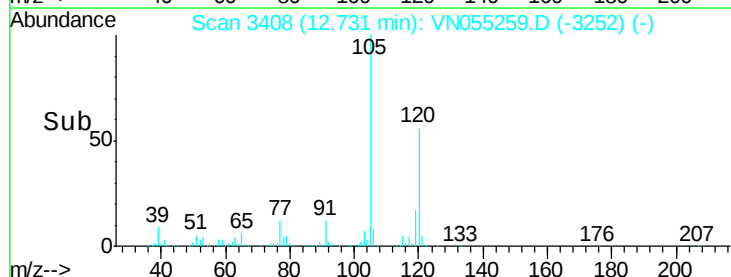
50000

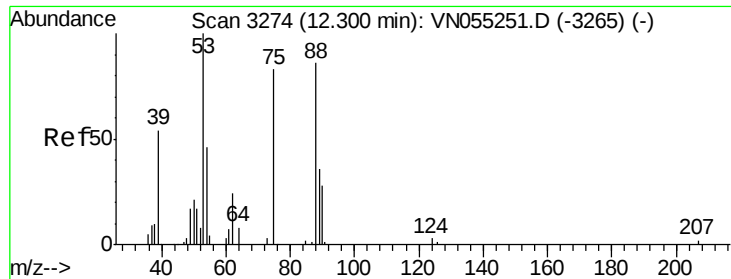
0

12.70

12.80

Time-->





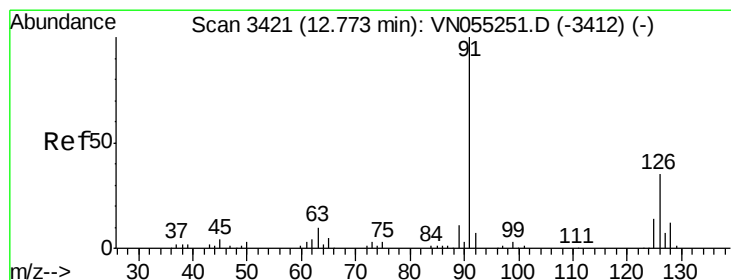
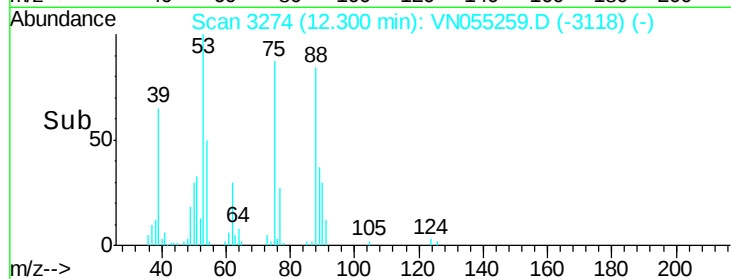
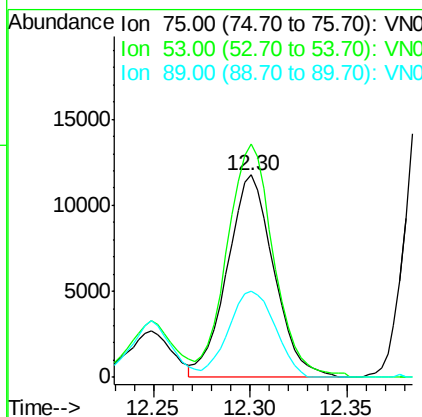
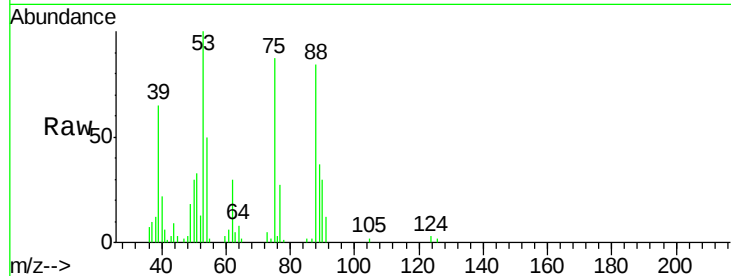
#77
t-1,4-Dichloro-2-butene
Concen: 16.784 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	59.5	178.5
89	42.3	23.1	69.2

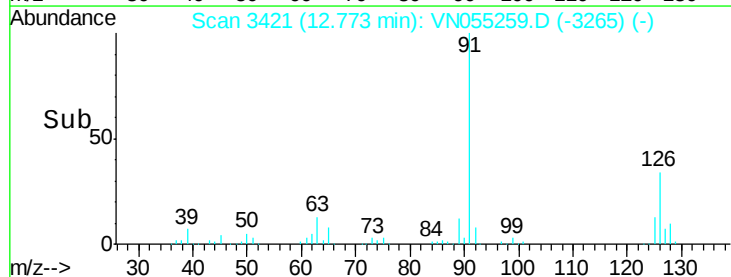
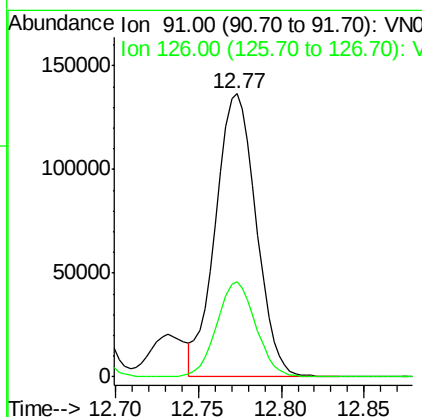
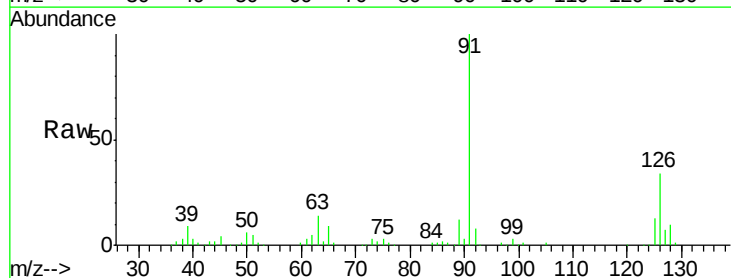
Manual Integrations
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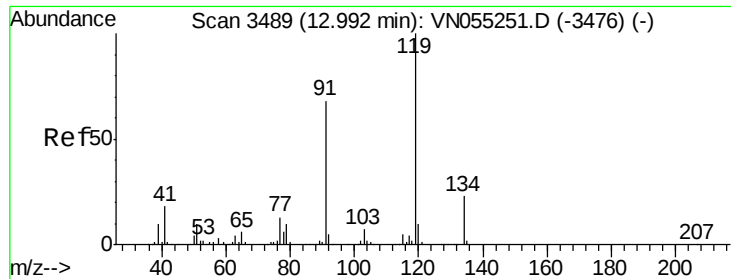
MMDadoda
4/26/2019 10:58:15 AM



#78
4-Chlorotoluene
Concen: 19.344 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	66.8





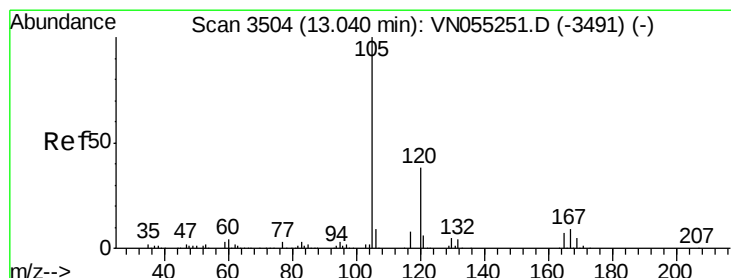
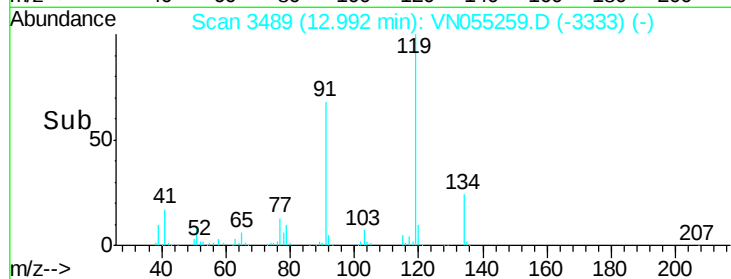
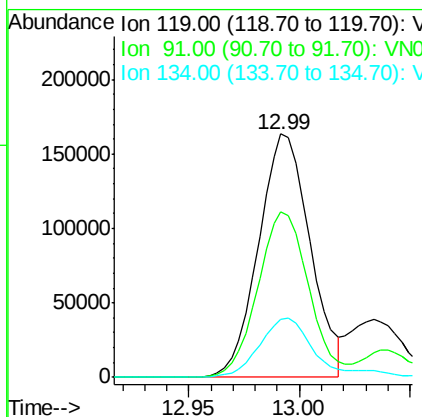
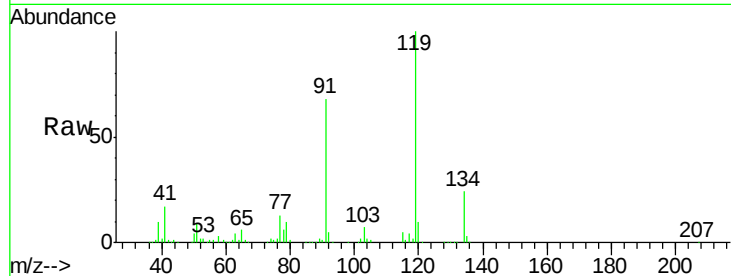
#79
tert-butylbenzene
Concen: 20.272 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265000		
91	66.9	0.0	135.6	
134	24.6	0.0	47.8	

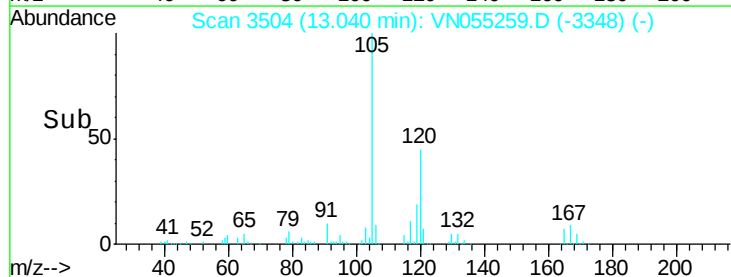
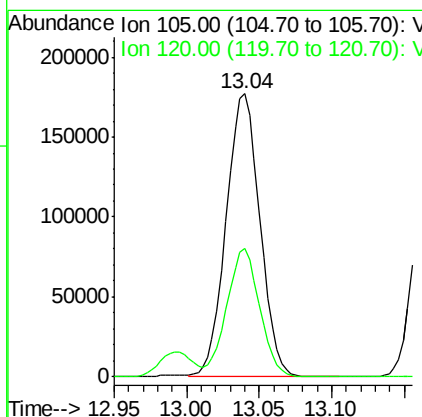
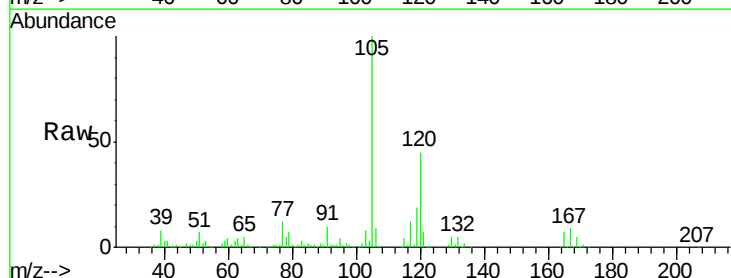
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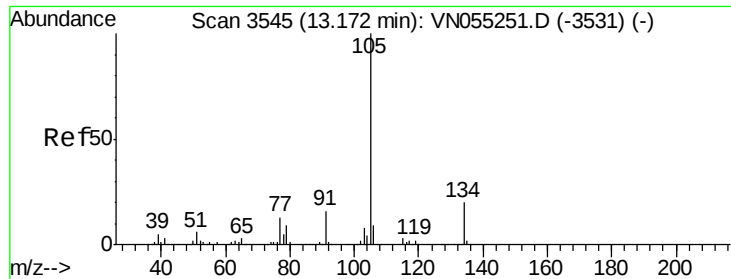
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.531 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285795		
120	43.9	0.0	88.6	





#81

sec-Butylbenzene

Concen: 19.633 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion:105 Resp: 339267

Ion Ratio Lower Upper

105 100

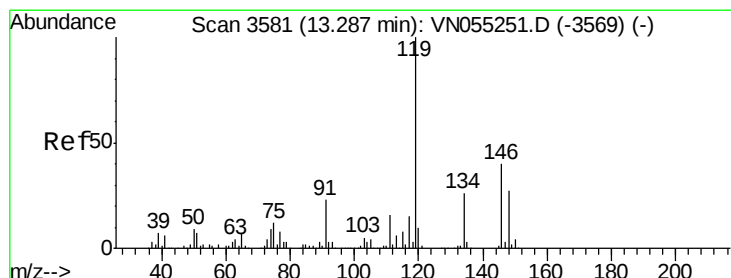
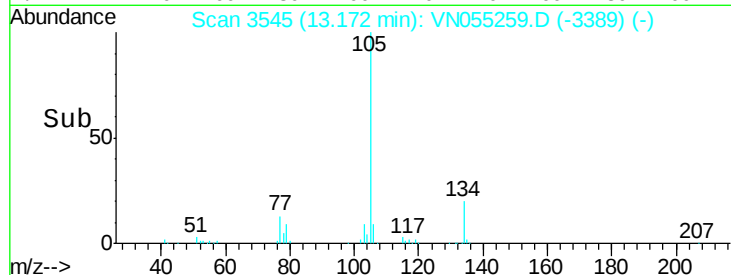
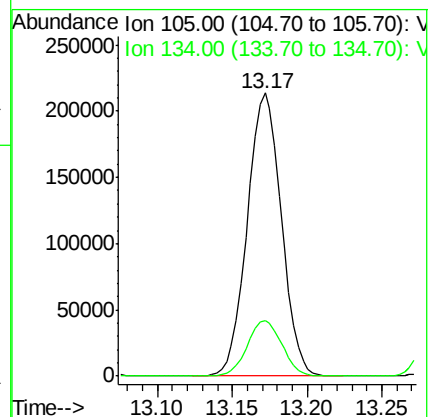
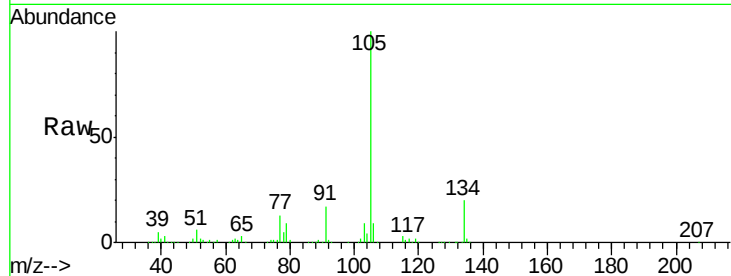
134 19.8 0.0 39.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.121 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

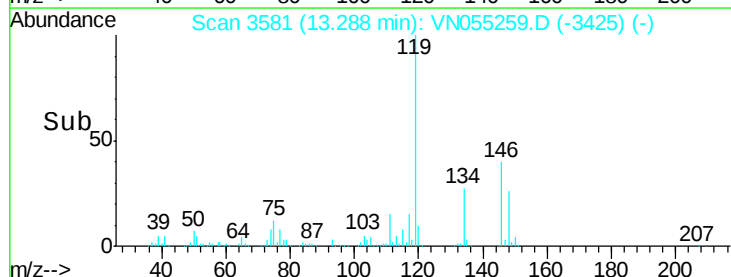
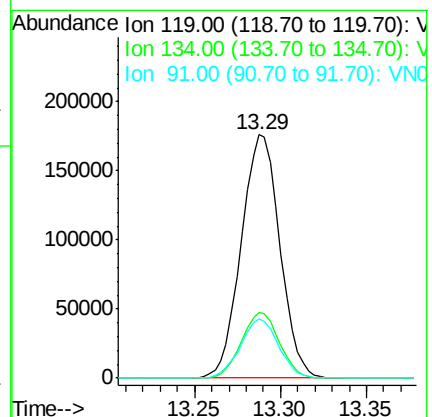
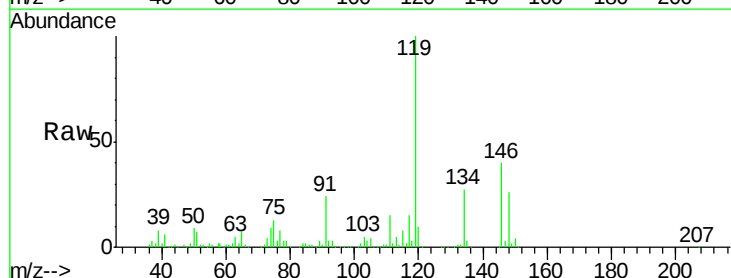
Tgt Ion:119 Resp: 274096

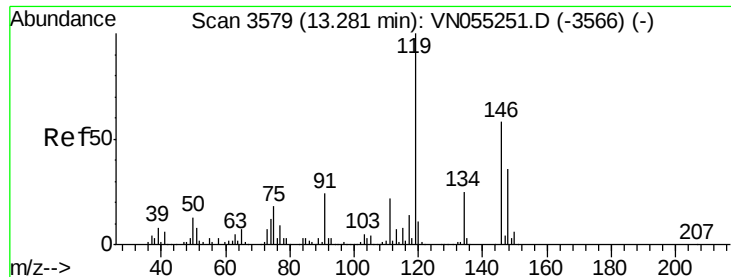
Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.2

91 24.0 0.0 47.6





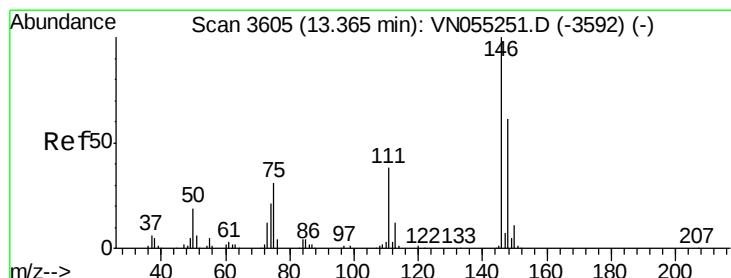
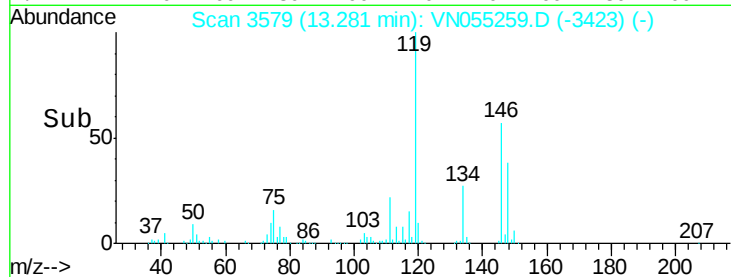
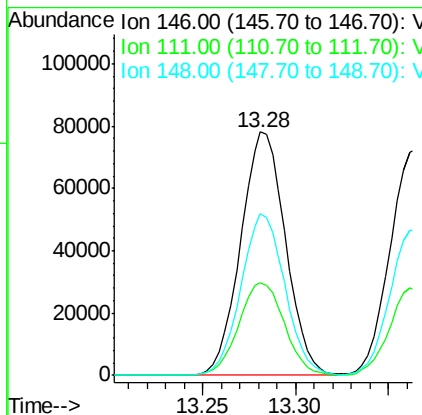
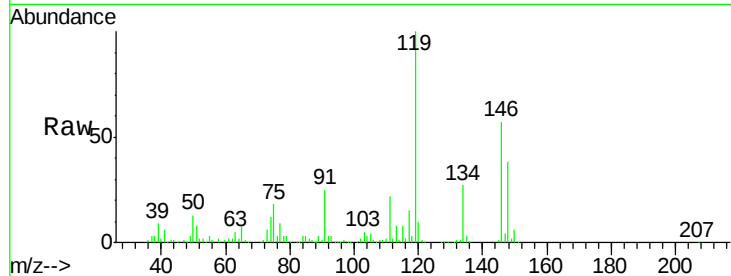
#83
 1,3-Dichlorobenzene
 Concen: 18.436 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0426WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.7
148	65.1	32.8	98.3

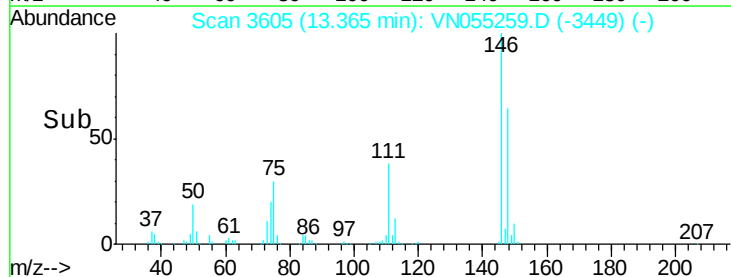
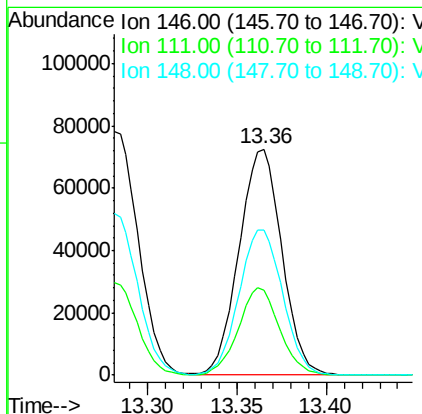
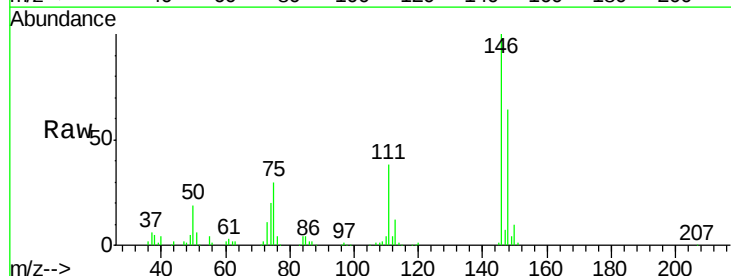
Manual Integrations
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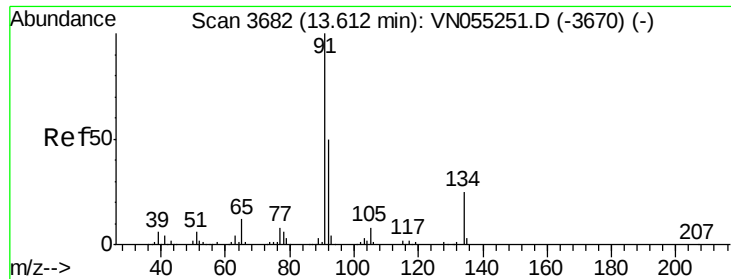
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 17.938 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	66.2	31.4	94.3





#85

n-Butylbenzene

Concen: 16.977 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

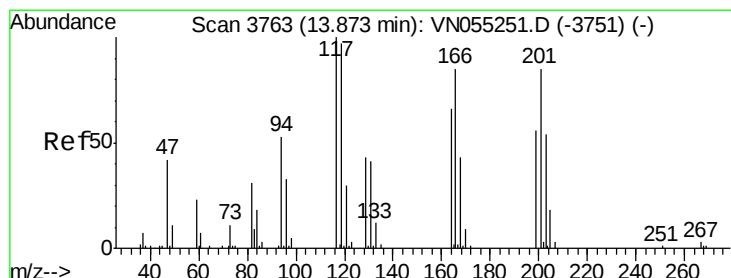
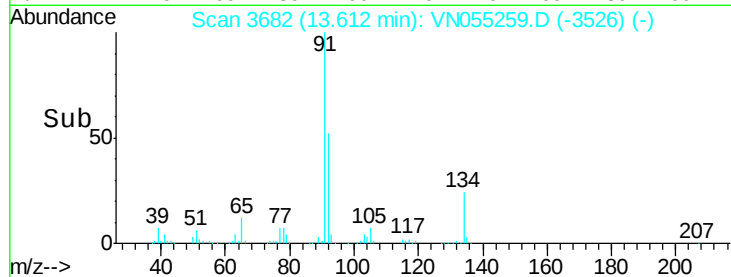
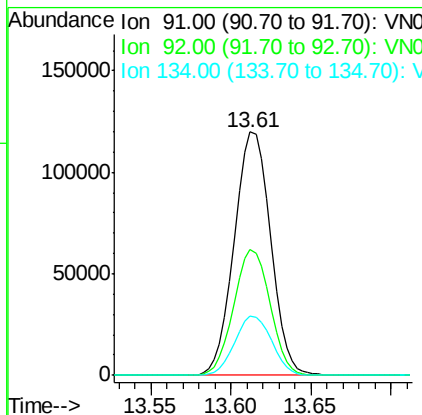
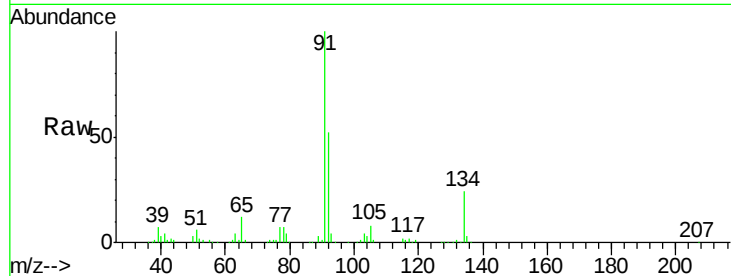
ClientSampleId :

VN0426WBS01

Tot Ion:	91	Resp:	185546
Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	102.8
134	24.7	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 19.115 ug/l

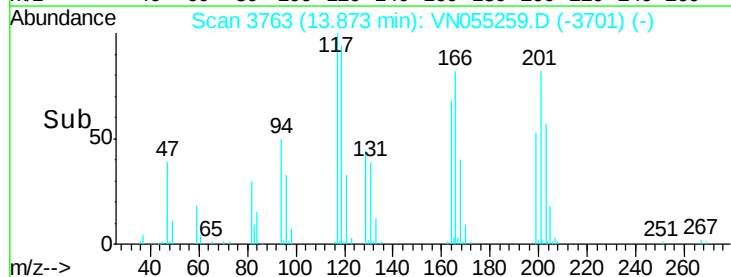
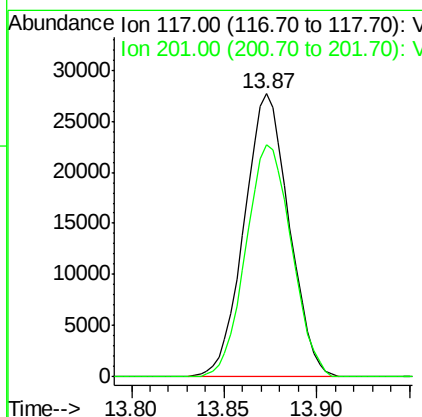
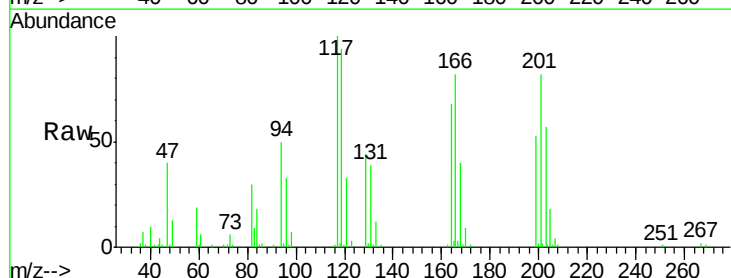
RT: 13.87 min Scan# 3763

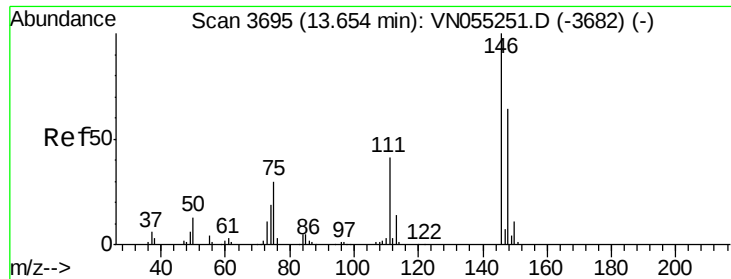
Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion:	117	Resp:	46741
Ion	Ratio	Lower	Upper
117	100		
201	83.5	44.5	133.7





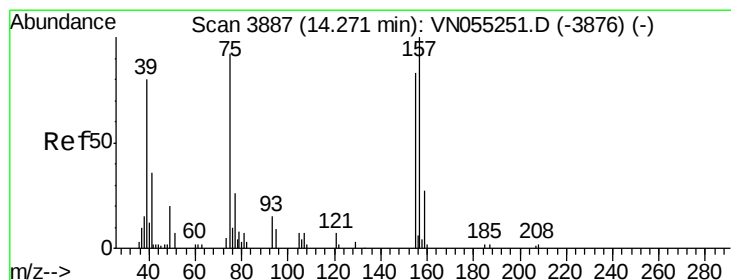
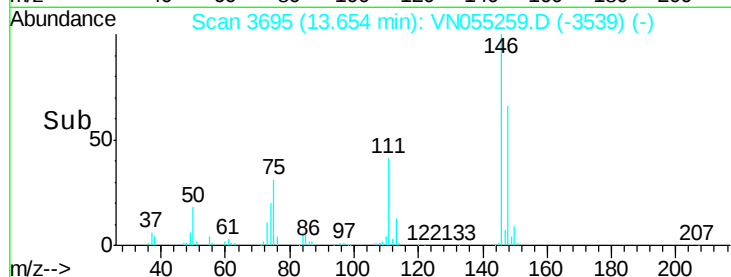
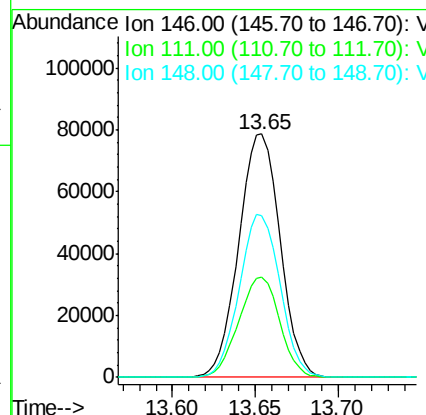
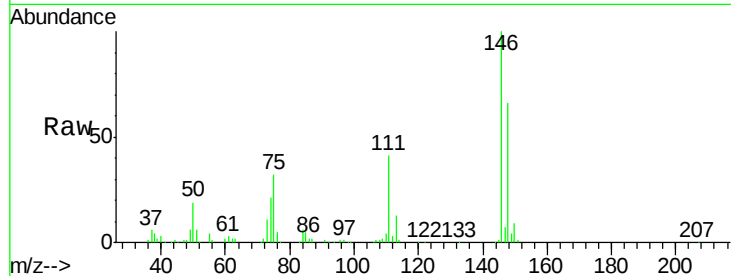
#87
 1,2-Dichlorobenzene
 Concen: 19.179 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.2
148	65.7	31.9	95.5

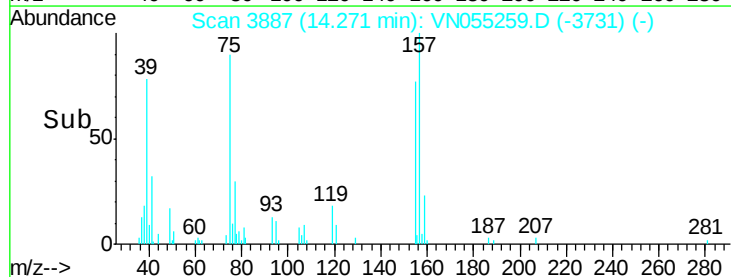
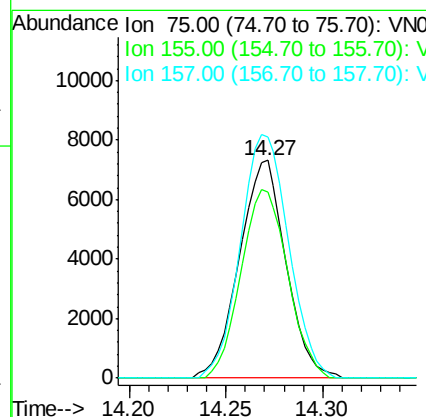
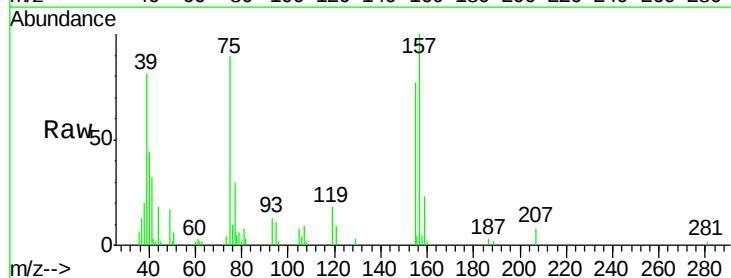
Manual Integrations
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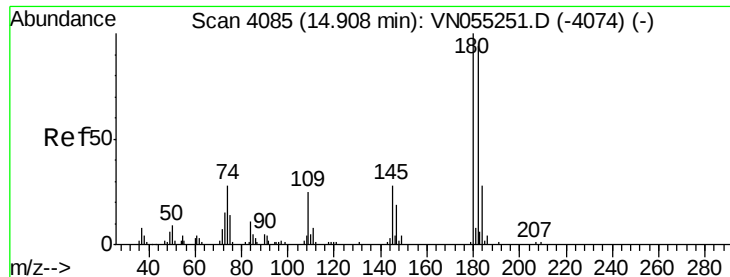
MMDadoda
 4/26/2019 10:58:15 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.436 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	70.4	105.6
157	115.7	88.5	132.7





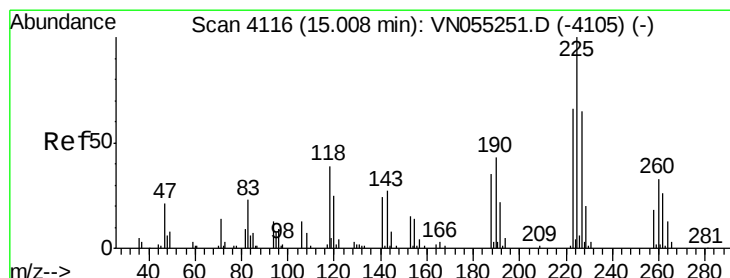
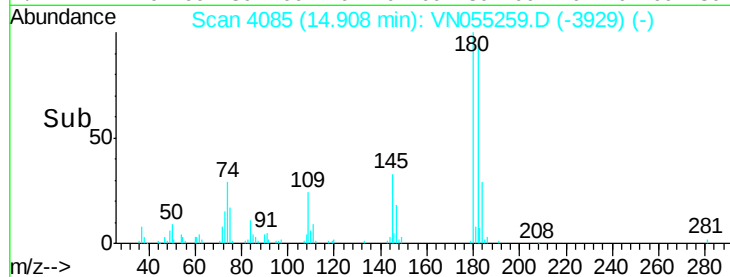
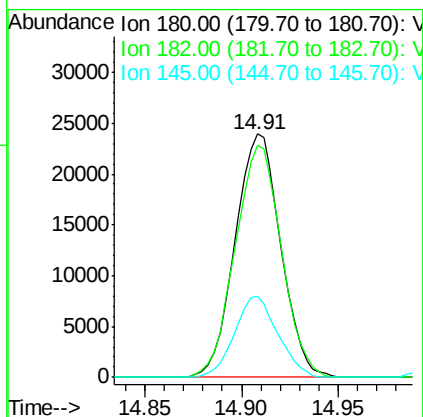
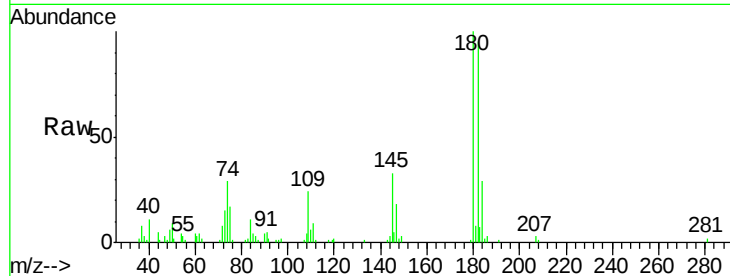
#89
 1,2,4-Trichlorobenzene
 Concen: 13.871 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	74.8	112.2
145	31.7	23.2	34.8

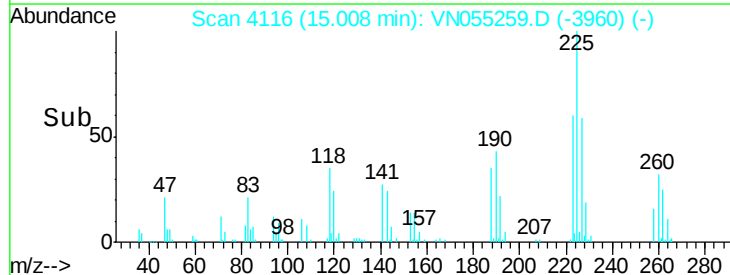
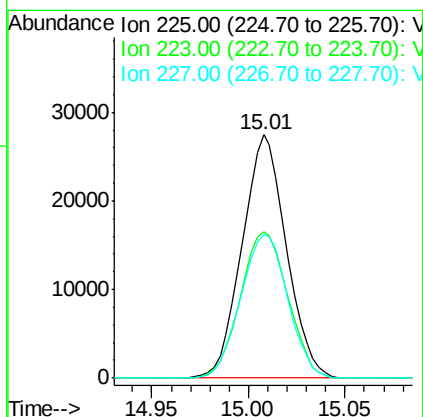
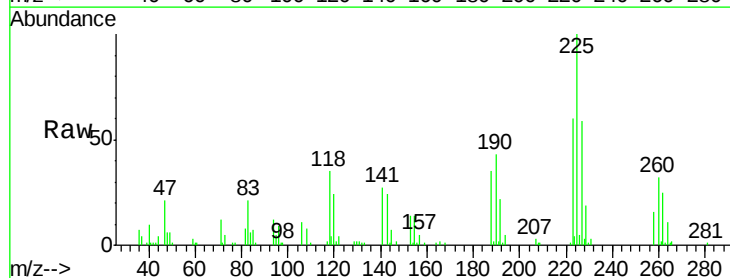
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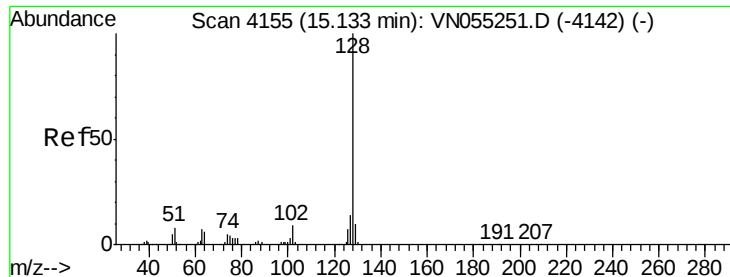
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 4/26/2019 10:58:15 AM



#90
 Hexachlorobutadiene
 Concen: 18.230 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	0.0	125.2
227	62.9	0.0	128.4





#91

Naphthalene

Concen: 13.250 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

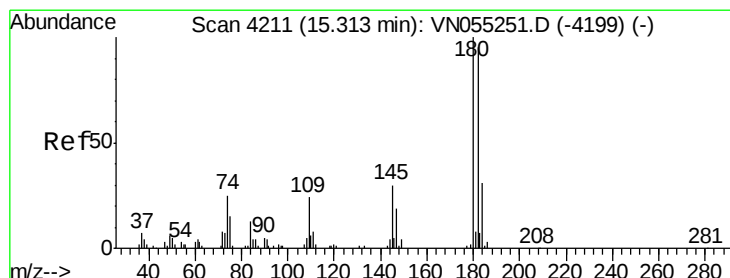
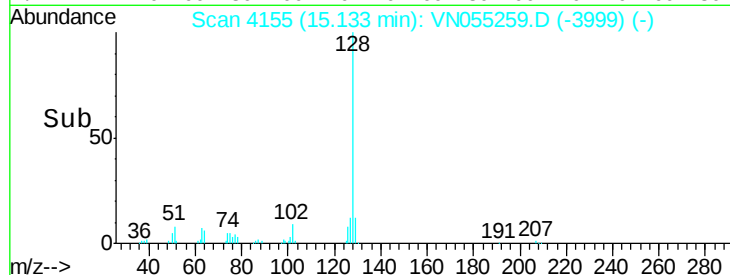
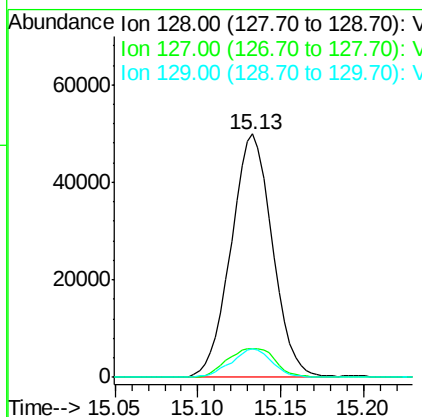
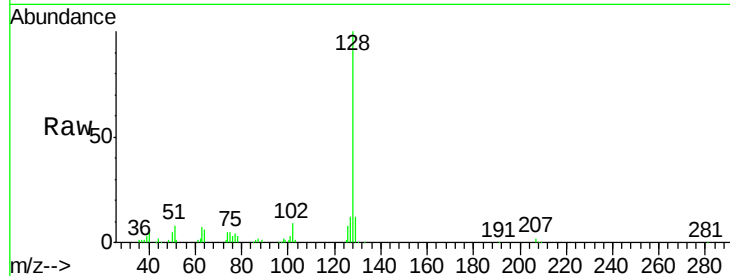
ClientSampleId :

VN0426WBS01

Tot Ion:	128	Resp:	86443
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.5	8.0	12.0

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#92

1,2,3-Trichlorobenzene

Concen: 15.417 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion:	180	Resp:	45413
Ion Ratio	Lower	Upper	
180	100		
182	94.8	0.0	188.0
145	30.0	0.0	60.0

