

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056241.D
 Acq On : 12 Jun 2019 11:37
 Operator : JC/SP
 Sample : VN0612WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0612WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:42:20 AM

Quant Time: Jun 13 05:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49104	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	245053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	217806	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	90251	29.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.67%
60) 4-Bromofluorobenzene	12.40	95	95099	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	10.09	98	300771	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	56015	20.282	ug/l 97
3) Chloromethane	2.06	50	65918	20.428	ug/l 99
4) Vinyl Chloride	2.18	62	61967	18.835	ug/l 99
5) Bromomethane	2.54	94	39805	19.251	ug/l 97
6) Chloroethane	2.69	64	36313	19.513	ug/l 99
7) Trichlorofluoromethane	3.01	101	80304	19.728	ug/l 99
8) Diethyl Ether	3.40	74	30827	17.856	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49941	19.875	ug/l 100
10) 1,1-Dichloroethene	3.72	96	48690	18.996	ug/l 97
11) Methyl Iodide	3.94	142	73634	18.208	ug/l 96
12) Methyl Acetate	4.33	43	58935	19.134	ug/l 99
13) Acrolein	3.60	56	14794	98.542	ug/l 100
14) Acrylonitrile	4.99	53	129591	94.344	ug/l 100
15) Acetone	3.82	58	38377	85.329	ug/l 95
16) Carbon Disulfide	4.04	76	117126	19.205	ug/l 99
17) Allyl chloride	4.31	41	74990	18.882	ug/l 99
18) Methylene Chloride	4.54	84	58298	19.646	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	53294	19.478	ug/l 97
20) Diisopropyl ether	5.96	45	155820	18.937	ug/l 99
21) 1,1-Dichloroethane	5.84	63	91484	19.131	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	60085	18.815	ug/l 98
23) tert-Butyl Alcohol	4.81	59	37511	70.159	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	148777	18.213	ug/l 100
25) Chloroform	7.37	83	95287	19.956	ug/l 97
26) Cyclohexane	7.65	56	83129	18.738	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	68272	20.596	ug/l 98
30) 2-Butanone	6.84	43	173664	99.518	ug/l 99
31) 2,2-Dichloropropane	6.82	77	59088	19.162	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	77248	21.093	ug/l 98
33) Carbon Tetrachloride	7.77	117	67446	21.737	ug/l 98
34) Benzene	8.04	78	218263	20.666	ug/l 99
35) Methacrylonitrile	7.17	41	33426	22.683	ug/l 97
36) 1,2-Dichloroethane	8.12	62	70426	21.288	ug/l 98
37) Trichloroethene	8.83	130	61237	20.720	ug/l 98
38) Methylcyclohexane	9.08	83	83173	19.792	ug/l 99
39) 1,2-Dichloropropane	9.12	63	55763	20.615	ug/l 97
40) Dibromomethane	9.21	93	38032	21.205	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0612WBSD01

Manual Integrations
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MMDadoda
 6/13/2019 9:42:20 AM

Quant Time: Jun 13 05:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	69900	21.765	ug/l	97
42) Vinyl Acetate	5.90	43	628333	100.996	ug/l	99
43) Ethyl Acetate	6.93	43	68277	20.444	ug/l	93
44) Isopropyl Acetate	8.17	43	99691	19.225	ug/l	98
45) 1,4-Dioxane	9.20	88	22692	409.077	ug/l	97
46) Methyl methacrylate	9.20	41	49601	19.255	ug/l	95
47) n-amyl Acetate	12.07	43	81063	18.903	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	63084	18.665	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	78086	19.731	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	55320	20.767	ug/l	97
51) Ethyl methacrylate	10.43	69	76123	18.888	ug/l	97
52) 1,3-Dichloropropane	10.71	76	90002	20.840	ug/l	99
53) Dibromochloromethane	10.90	129	58417	22.402	ug/l	98
54) 1,2-Dibromoethane	11.01	107	57190	20.573	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	126110	89.336	ug/l	99
56) Bromoform	12.13	173	41703	22.106	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	334844	101.526	ug/l	99
59) 2-Hexanone	10.75	43	236027	100.125	ug/l	99
61) Tetrachloroethene	10.63	164	64260	21.169	ug/l	94
62) Toluene	10.16	91	239164	20.340	ug/l	100
64) Chlorobenzene	11.43	112	146070	20.481	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	54986	21.381	ug/l	99
66) Ethyl Benzene	11.51	91	249542	19.926	ug/l	99
67) m/p-Xylenes	11.62	106	192838	40.229	ug/l	99
68) o-Xylene	11.95	106	94738	20.188	ug/l	99
69) Styrene	11.96	104	150809	19.780	ug/l	98
70) Isopropylbenzene	12.25	105	249308	20.333	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	76706	20.750	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	65768m	20.551	ug/l	
73) Bromobenzene	12.53	156	66535	20.444	ug/l	98
74) n-propylbenzene	12.59	91	257388	19.892	ug/l	99
75) 2-Chlorotoluene	12.67	91	164113	20.448	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	204459	20.272	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15775	17.276	ug/l	96
78) 4-Chlorotoluene	12.77	91	146042	19.484	ug/l	100
79) tert-butylbenzene	12.99	119	183472	20.533	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	195101	19.886	ug/l	99
81) sec-Butylbenzene	13.17	105	231453	20.476	ug/l	100
82) p-Isopropyltoluene	13.29	119	202016	19.767	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	99375	19.593	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	88479	18.314	ug/l	99
85) n-Butylbenzene	13.61	91	129614	16.993	ug/l	99
86) Hexachloroethane	13.87	117	33538	21.050	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	101223	19.634	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10901	18.786	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	36082	18.533	ug/l	98
90) Hexachlorobutadiene	15.01	225	42151	22.397	ug/l	98
91) Naphthalene	15.13	128	91241	13.326	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	42845	15.877	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

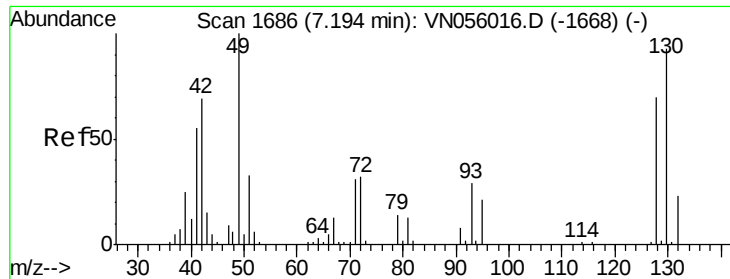
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



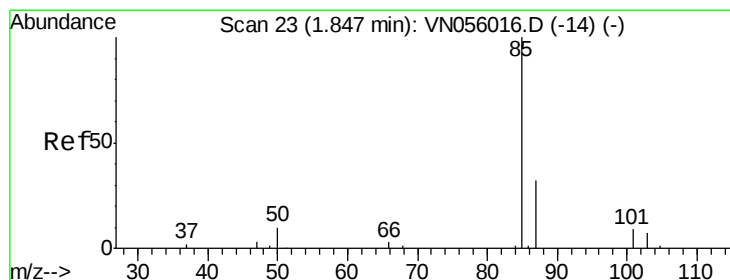
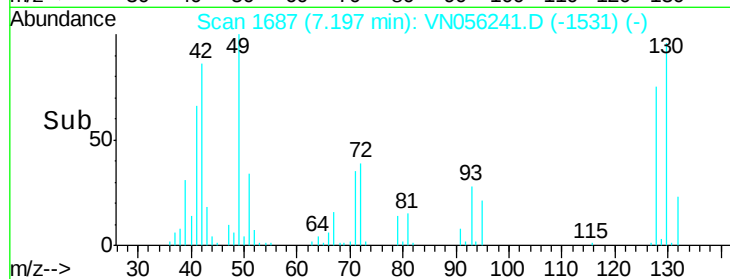
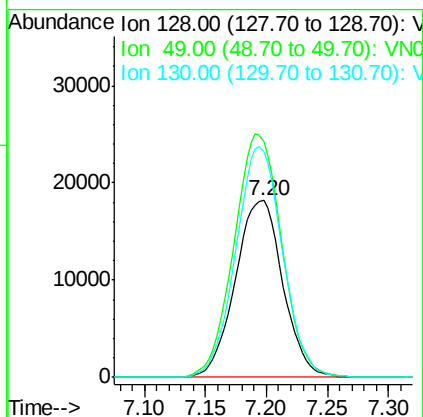
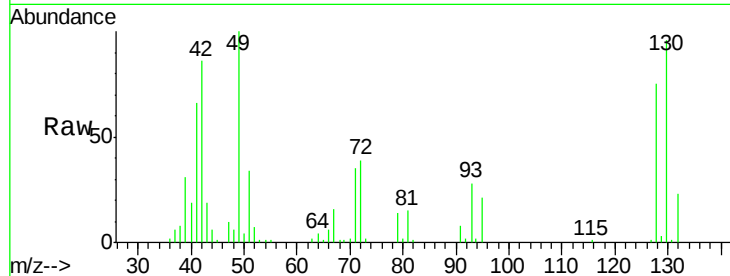
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.1	0.0	355.8
130	128.2	0.0	326.3

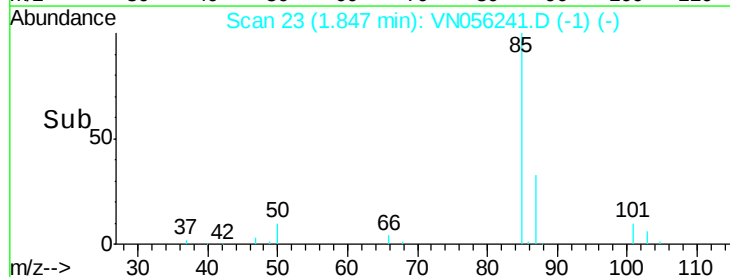
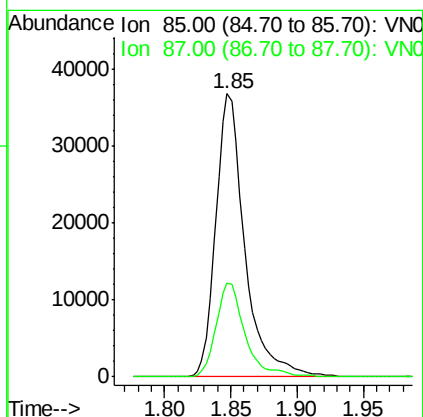
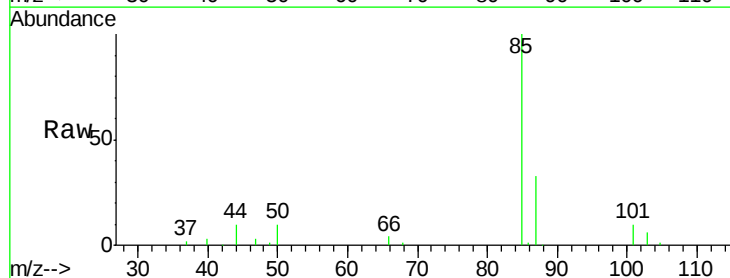
Manual Integrations
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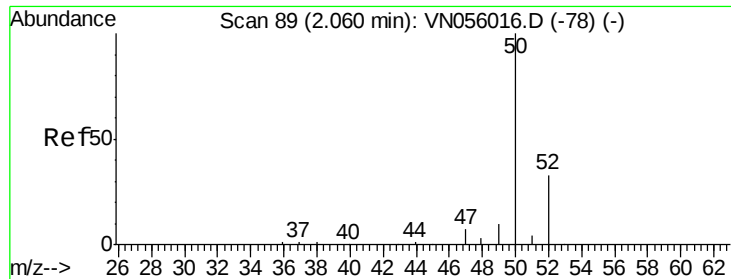
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#2
Dichlorodifluoromethane
Concen: 20.282 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.9	47.7





#3

Chloromethane

Concen: 20.428 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion: 50 Resp: 65918

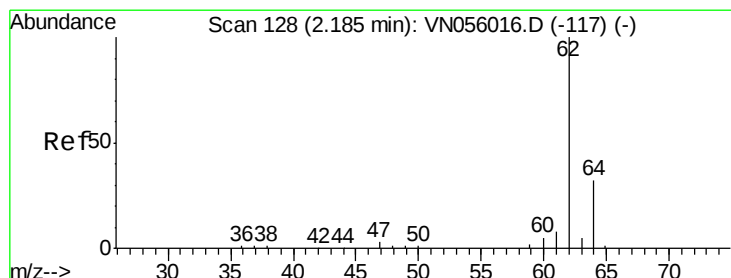
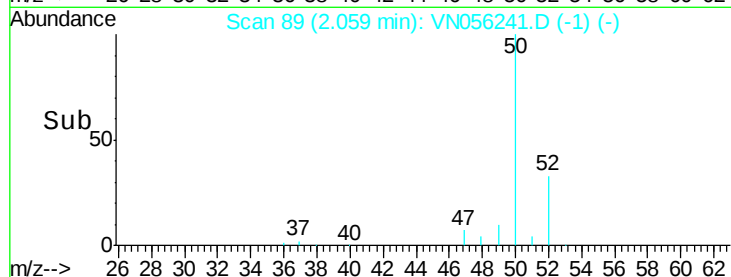
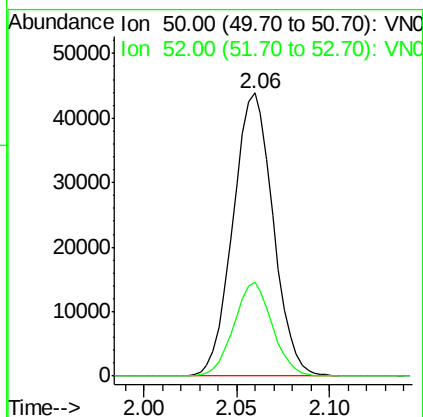
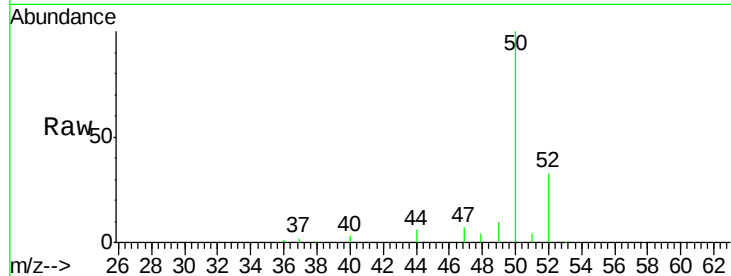
Ion Ratio Lower Upper

50 100

52 33.1 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.835 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056241.D

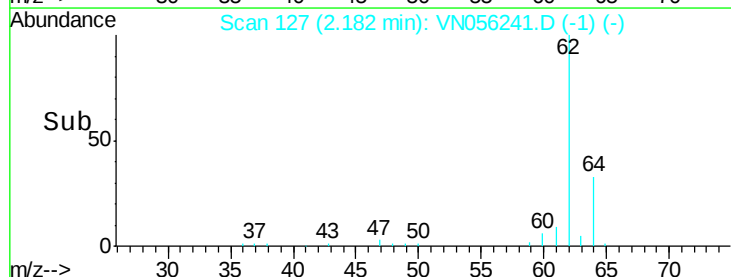
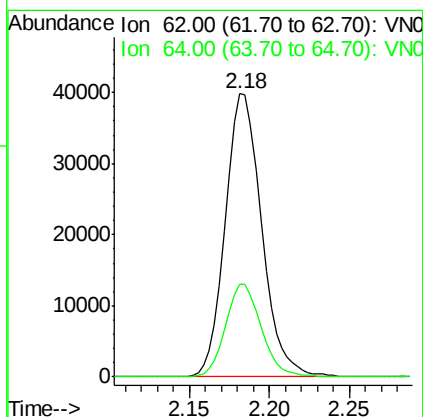
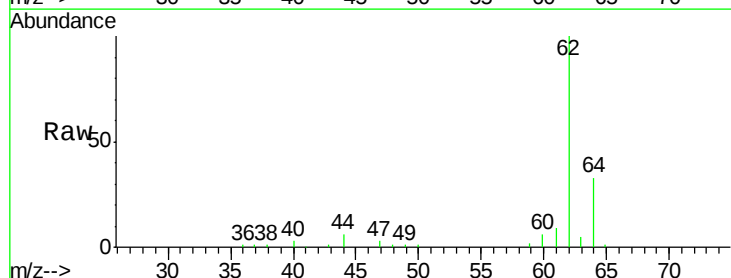
Acq: 12 Jun 2019 11:37

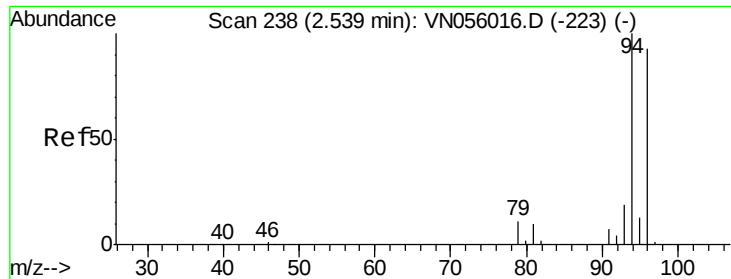
Tgt Ion: 62 Resp: 61967

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





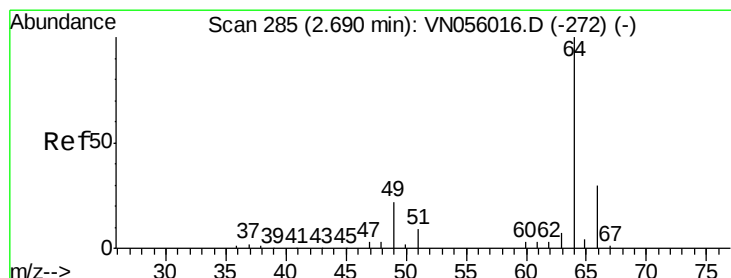
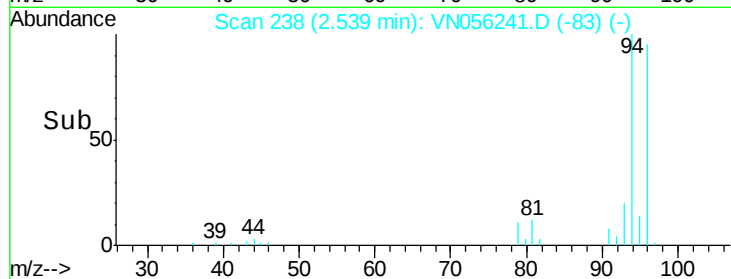
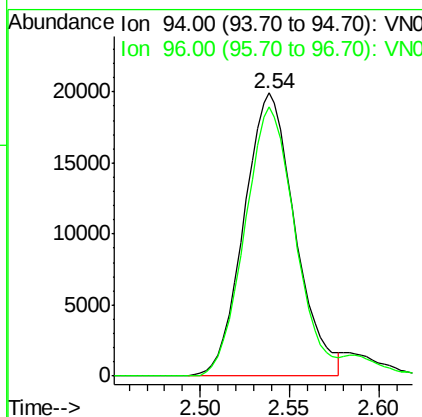
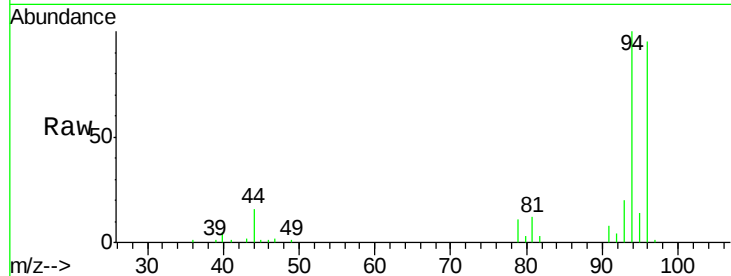
#5
Bromomethane
Concen: 19.251 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion: 94 Resp: 39805
Ion Ratio Lower Upper
94 100
96 95.3 74.1 111.1

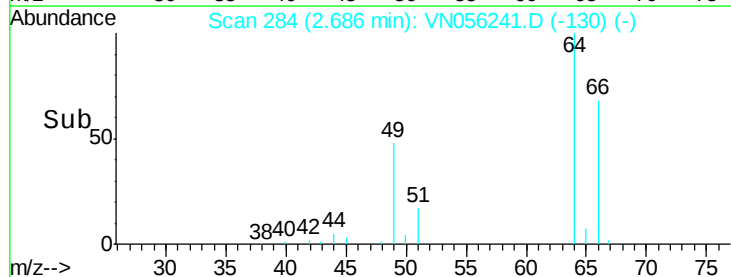
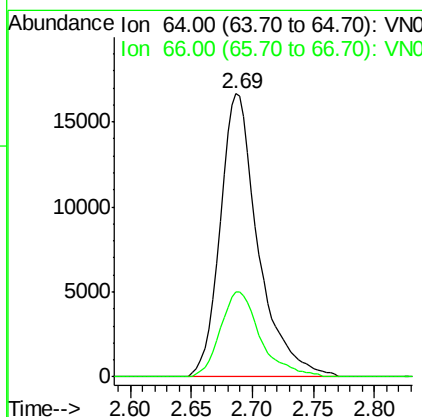
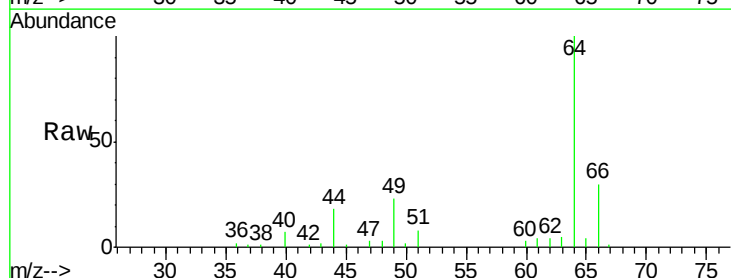
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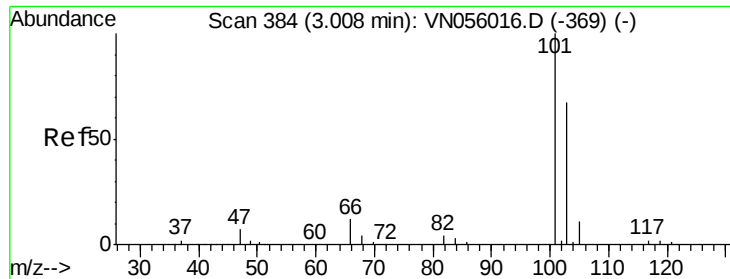
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#6
Chloroethane
Concen: 19.513 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion: 64 Resp: 36313
Ion Ratio Lower Upper
64 100
66 30.2 23.7 35.5





#7

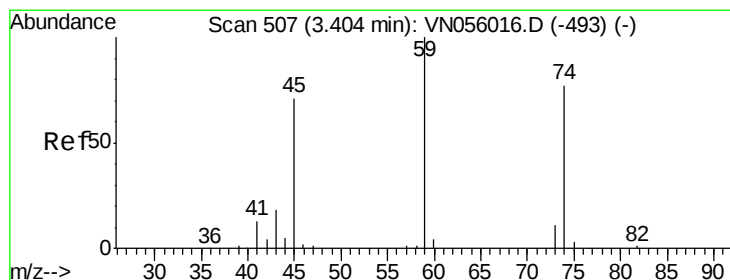
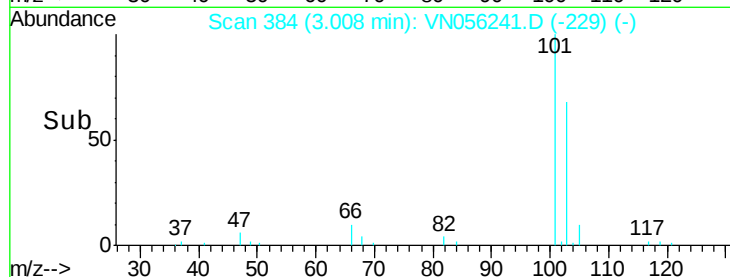
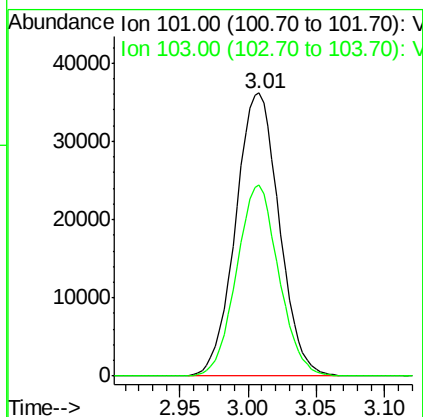
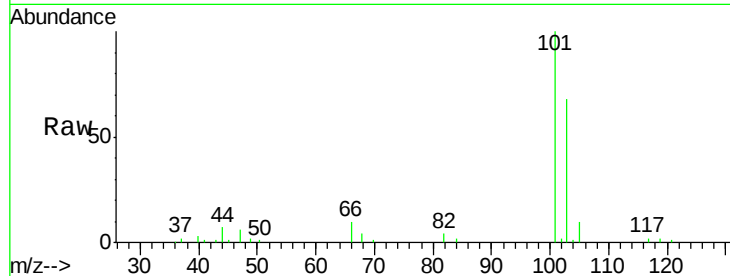
Trichlorofluoromethane
 Concen: 19.728 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	53.4	80.0

Manual Integrations
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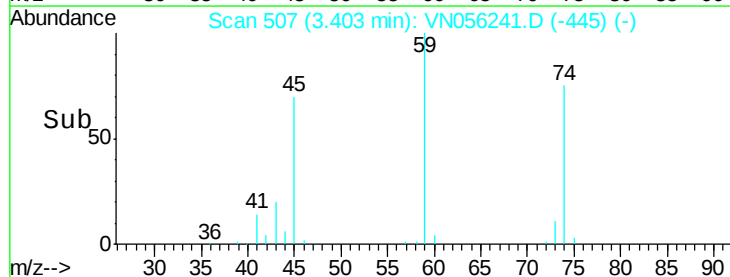
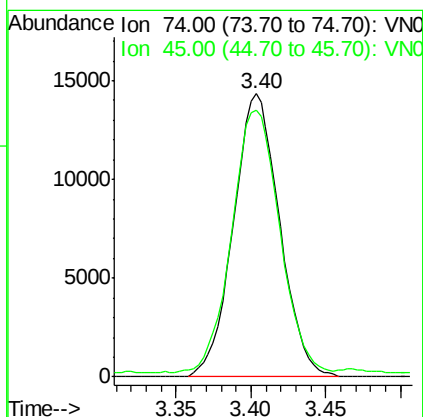
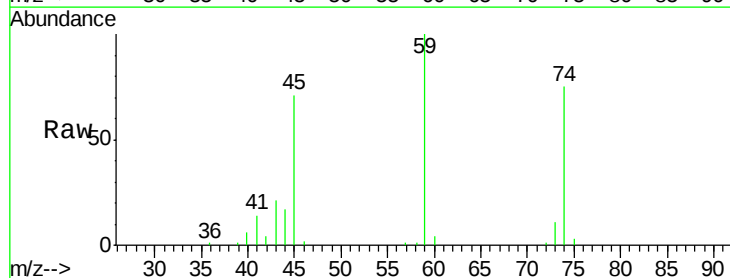
MMDadoda
 6/13/2019 9:42:20 AM

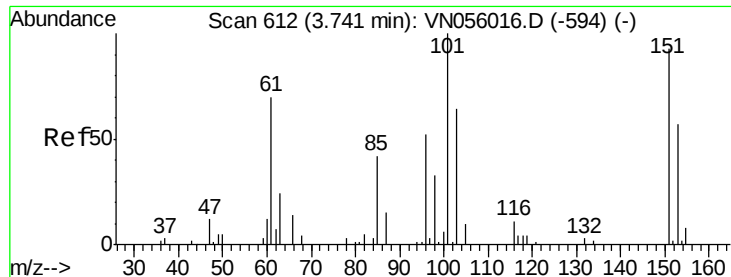


#8

Diethyl Ether
 Concen: 17.856 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.875 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

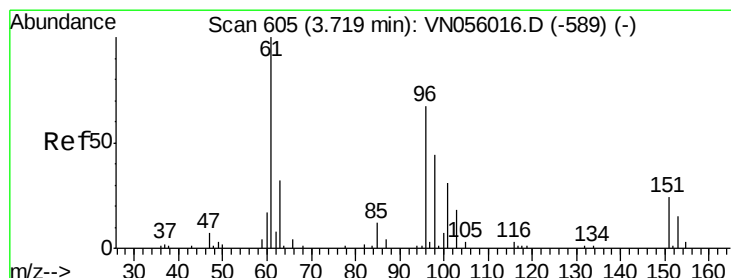
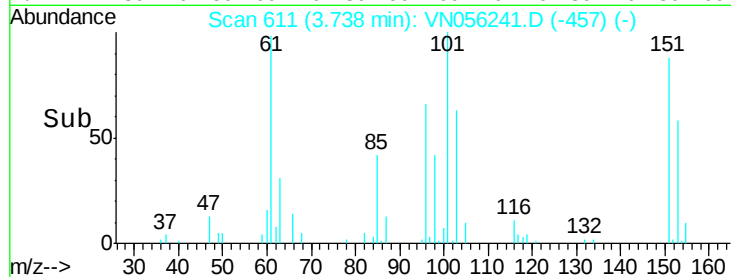
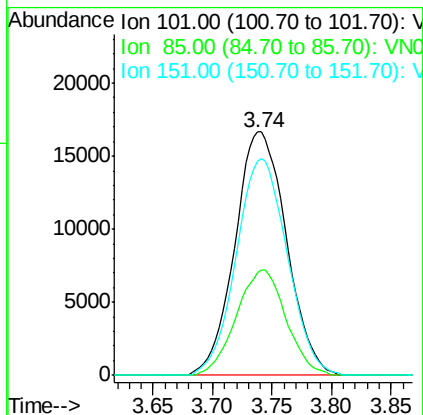
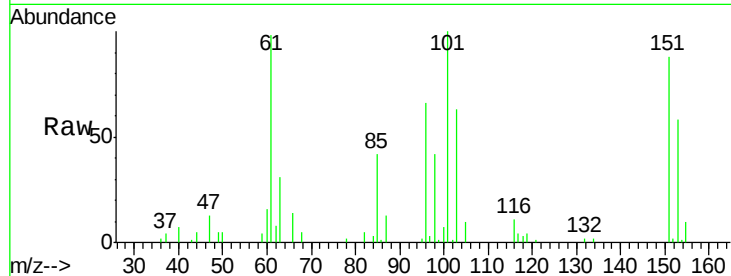
ClientSampleId :

VN0612WBSD01

Tot Ion:	101	Resp:	49941
Ion Ratio	Lower	Upper	
101	100		
85	41.7	0.0	82.0
151	88.4	0.0	177.0

Manual Integrations
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6/13/2019 9:42:20 AM



#10

1,1-Dichloroethene

Concen: 18.996 ug/l

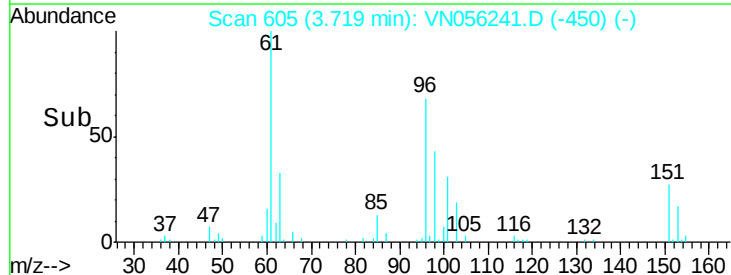
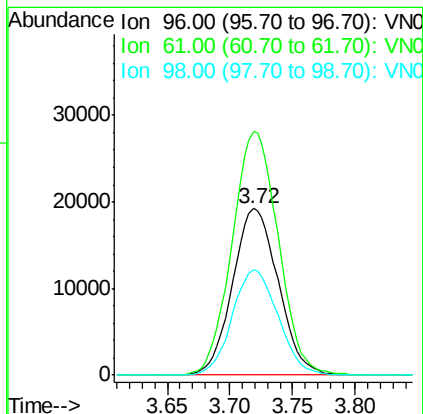
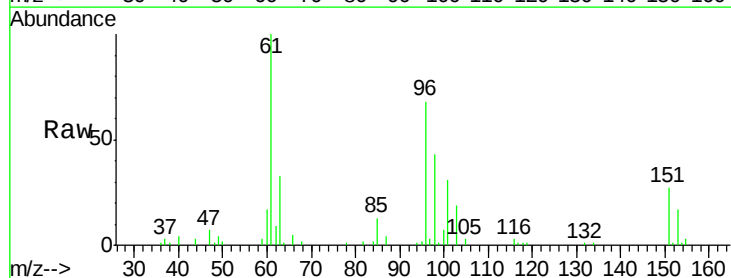
RT: 3.72 min Scan# 605

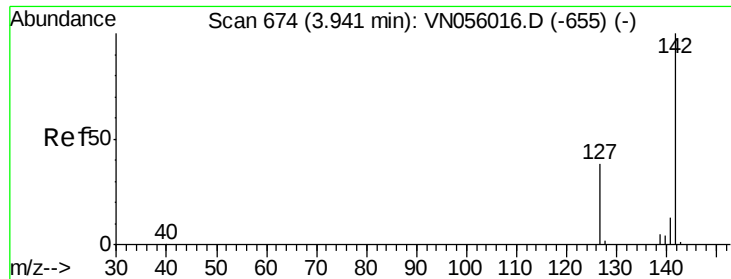
Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Tgt Ion:	96	Resp:	48690
Ion Ratio	Lower	Upper	
96	100		
61	145.6	119.7	179.5
98	63.2	52.3	78.5





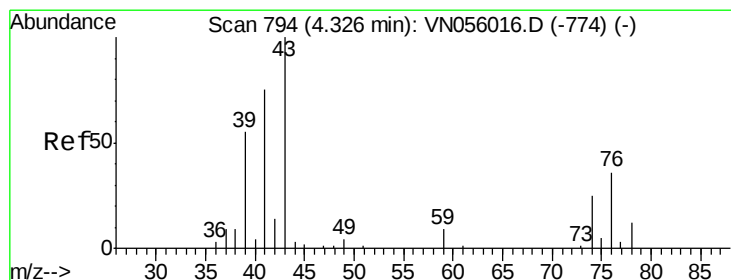
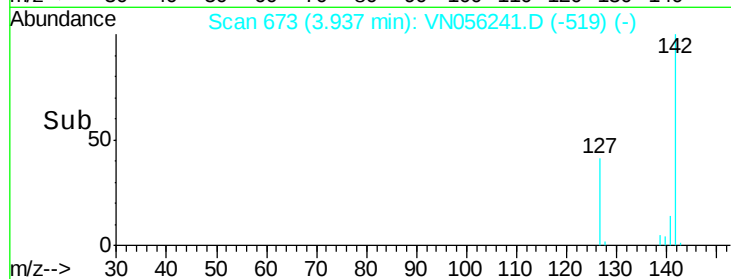
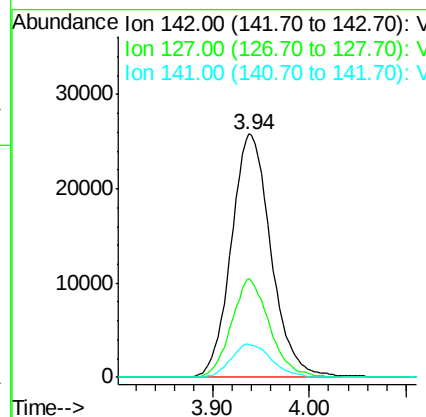
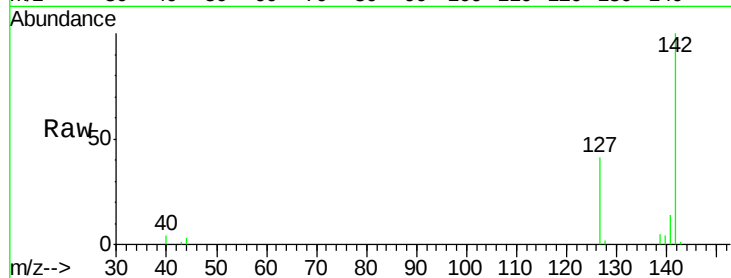
#11
Methvl Iodide
Concen: 18.208 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.0	19.0	57.0
141	13.6	6.7	20.0

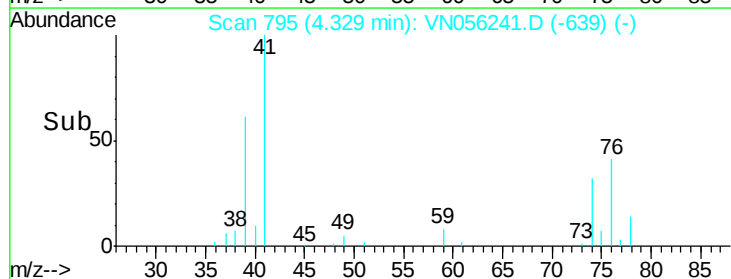
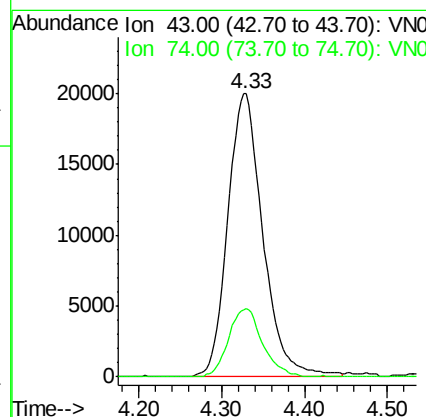
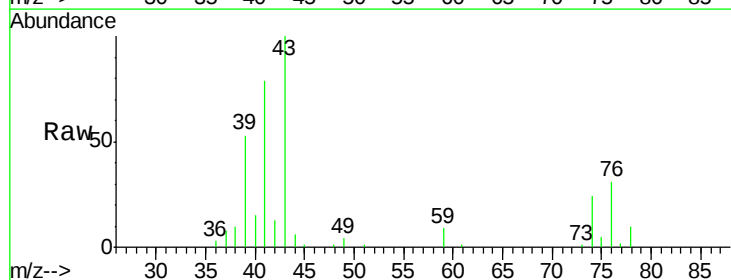
Manual Integrations
APPROVED

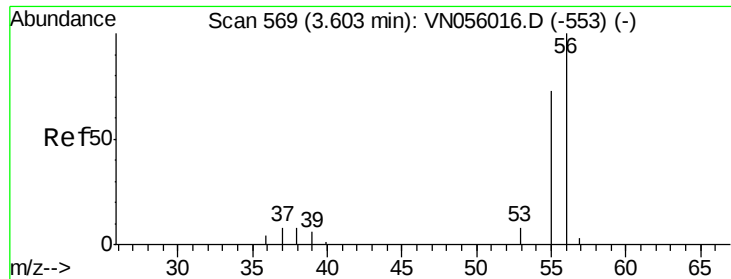
MMDadoda
6/13/2019 9:42:20 AM



#12
Methyl Acetate
Concen: 19.134 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.9	29.9





#13

Acrolein

Concen: 98.542 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion: 56 Resp: 14794

Ion Ratio Lower Upper

56 100

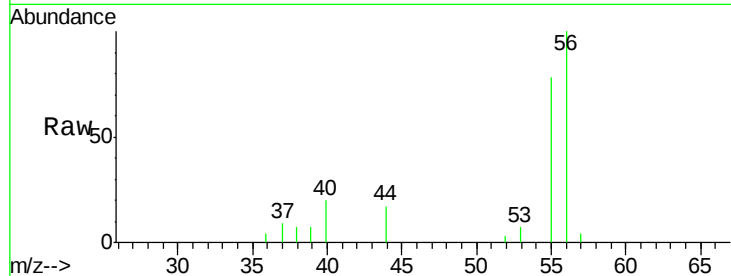
55 72.7 57.9 86.9

Manual Integrations

APPROVED

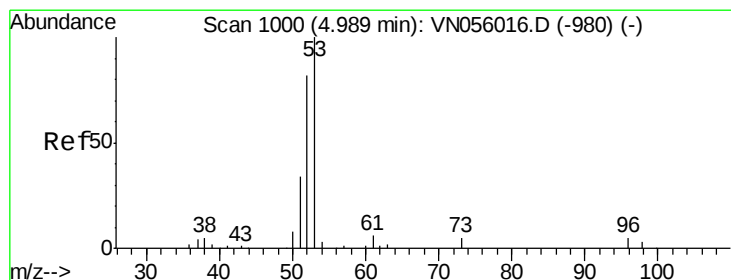
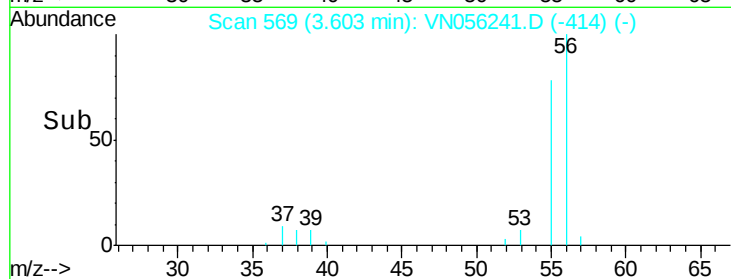
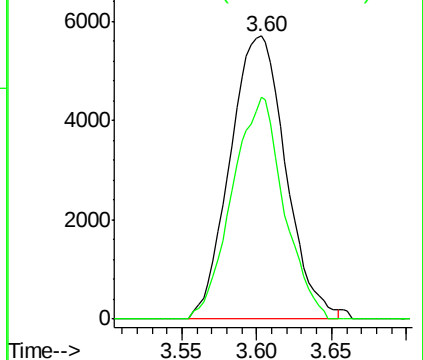
MMDadoda

6/13/2019 9:42:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 94.344 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

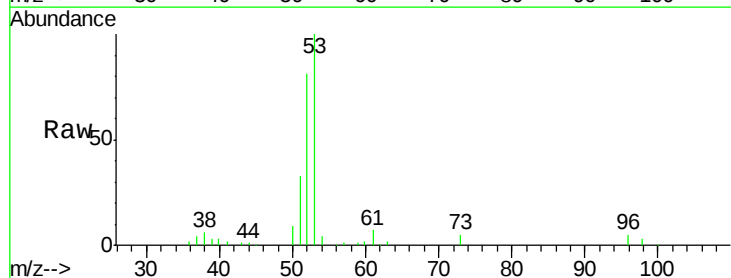
Tgt Ion: 53 Resp: 129591

Ion Ratio Lower Upper

53 100

52 81.8 40.8 122.2

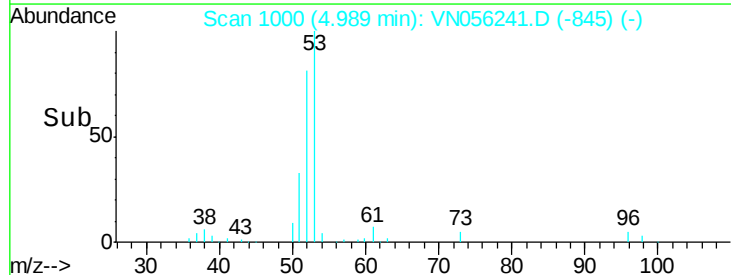
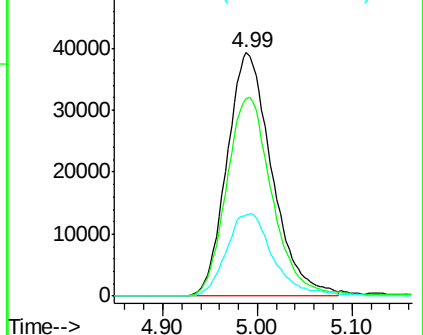
51 35.2 17.3 52.0

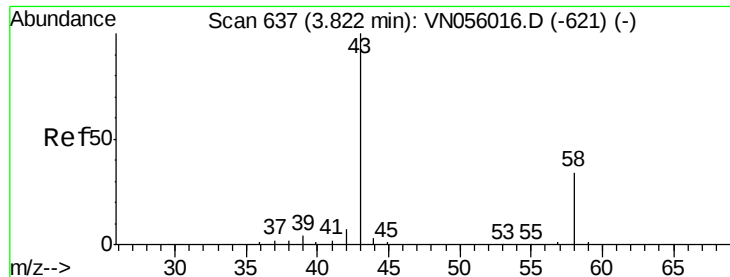


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





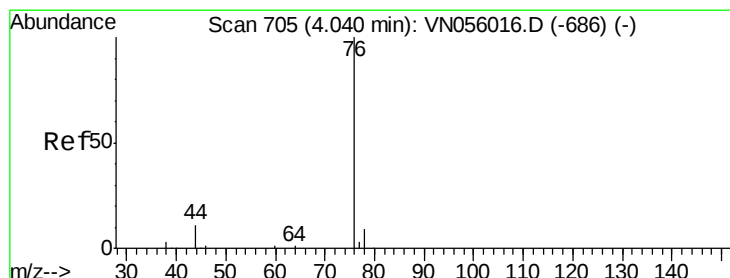
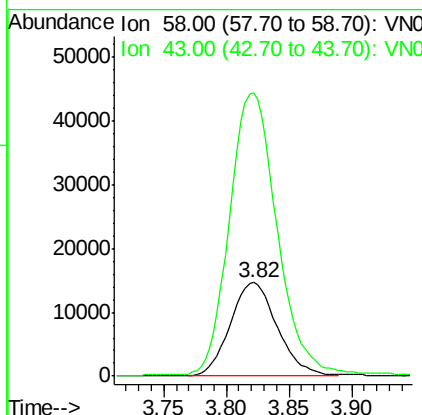
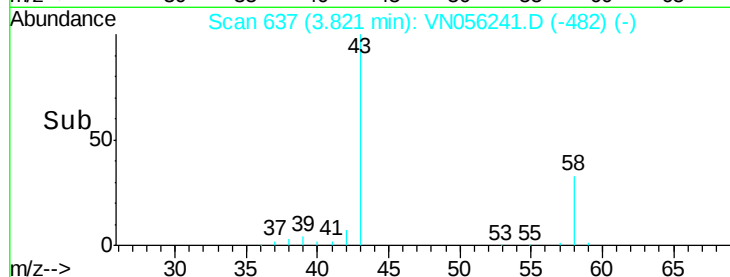
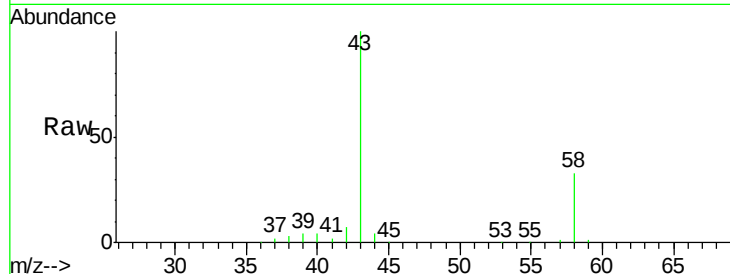
#15
Acetone
Concen: 85.329 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion: 58 Resp: 38377
Ion Ratio Lower Upper
58 100
43 299.8 232.5 348.7

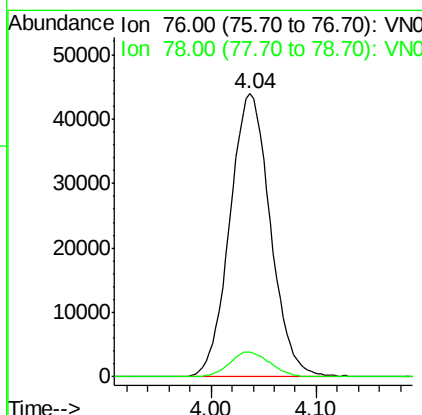
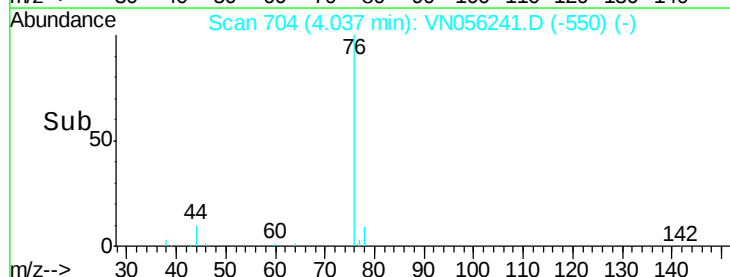
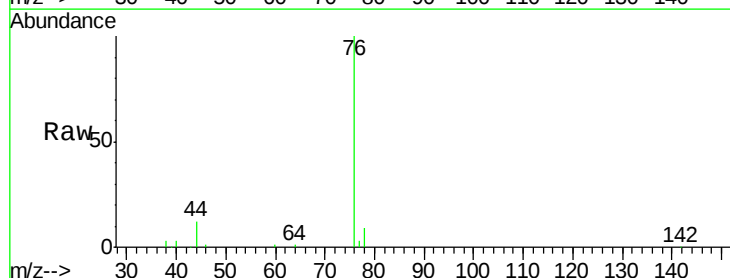
Manual Integrations
APPROVED

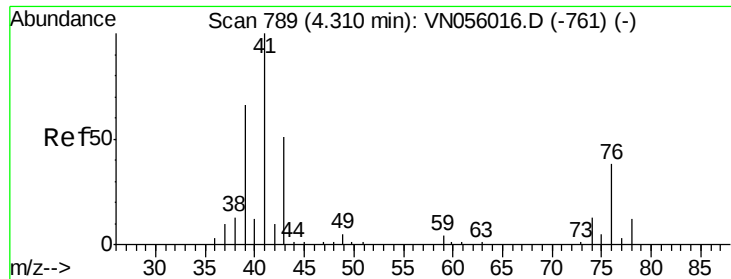
MMDadoda
6/13/2019 9:42:20 AM



#16
Carbon Disulfide
Concen: 19.205 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion: 76 Resp: 117126
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9





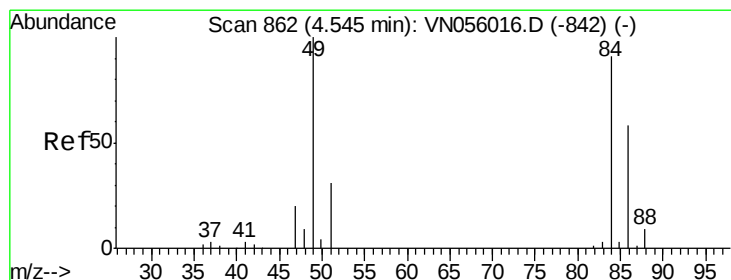
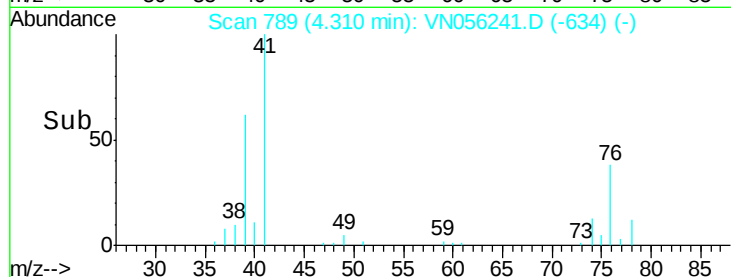
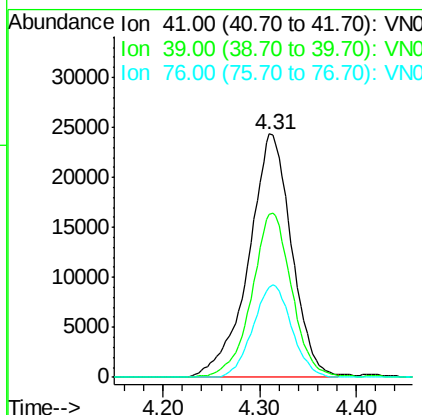
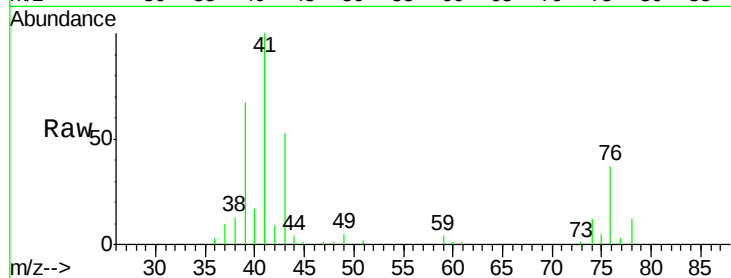
#17
Allvl chloride
Concen: 18.882 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.9	33.0	99.0
76	36.9	18.9	56.9

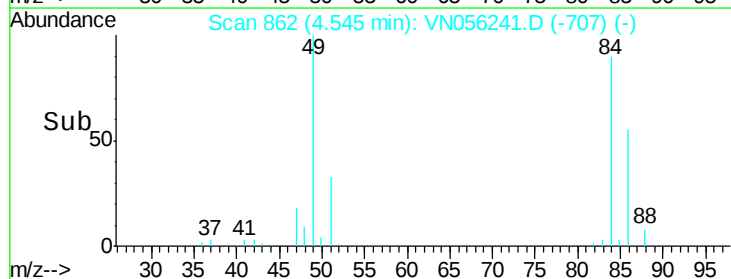
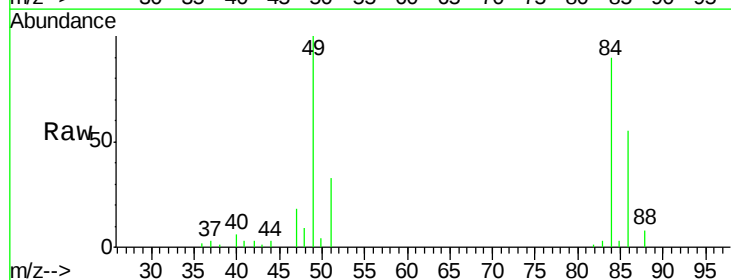
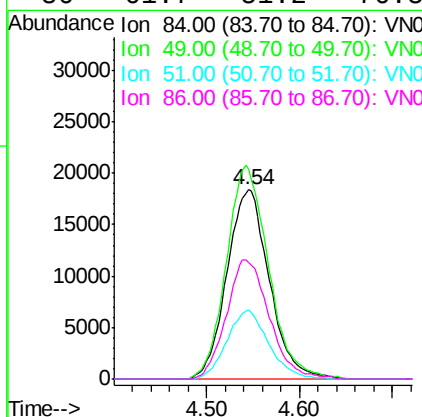
Manual Integrations
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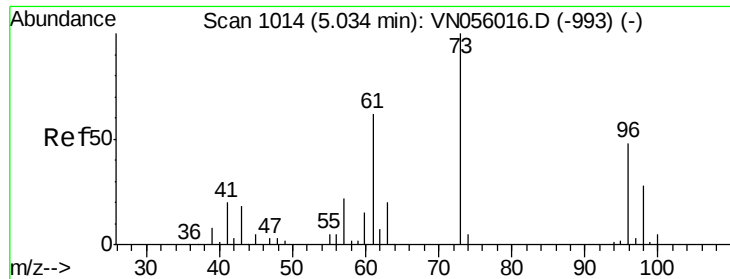
MMDadoda
6/13/2019 9:42:20 AM



#18
Methylene Chloride
Concen: 19.646 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.2	87.6	131.4
51	36.4	27.0	40.4
86	61.7	51.2	76.8





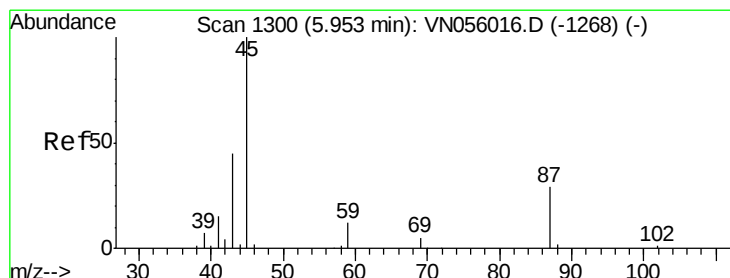
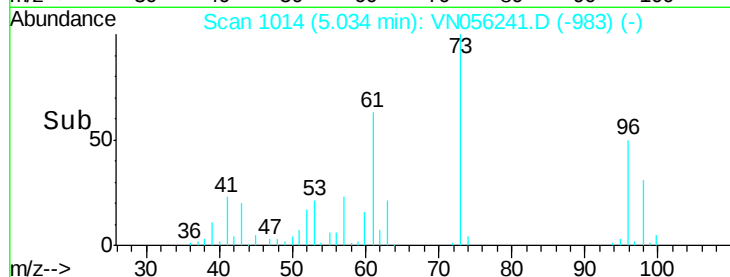
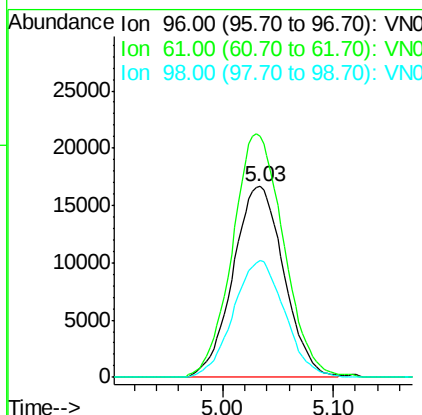
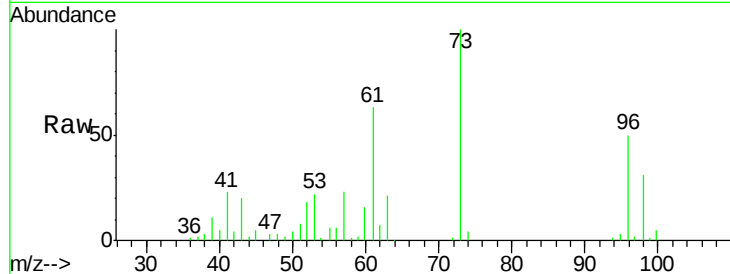
#19
trans-1,2-Dichloroethene
Concen: 19.478 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	124.7	102.5	153.7	
98	61.5	46.9	70.3	

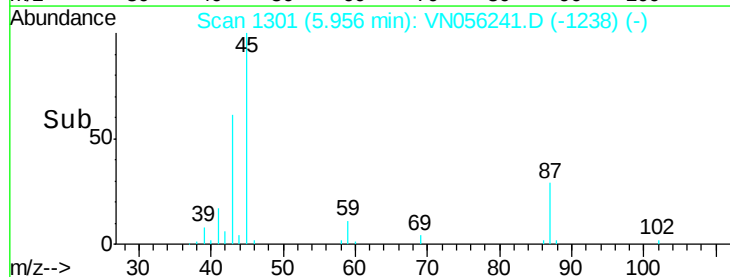
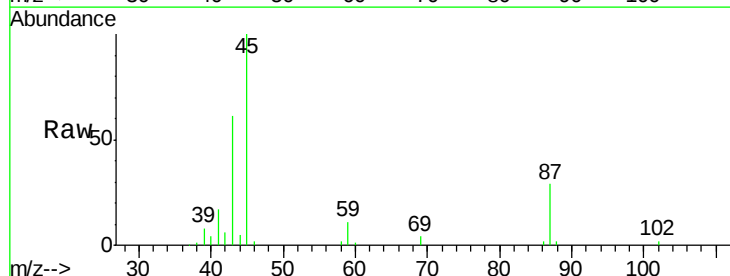
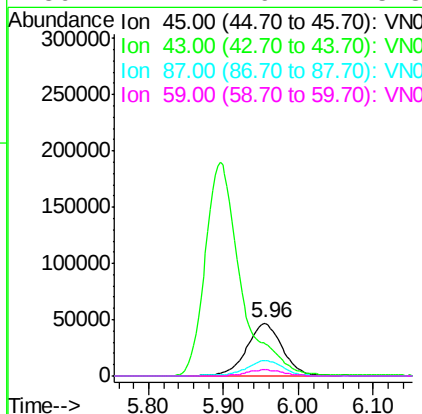
Manual Integrations
APPROVED

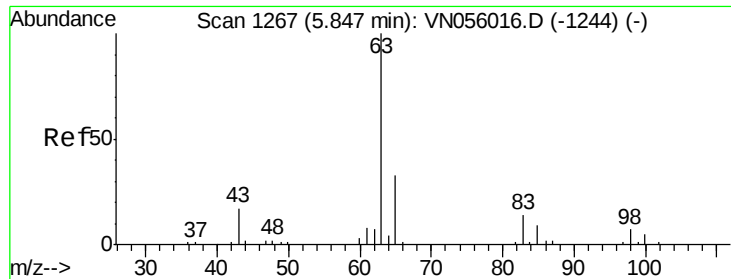
MMDadoda
6/13/2019 9:42:20 AM



#20
Diisopropyl ether
Concen: 18.937 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.7	48.0	72.0	
87	28.7	23.4	35.2	
59	11.1	9.2	13.8	





#21

1,1-Dichloroethane

Concen: 19.131 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

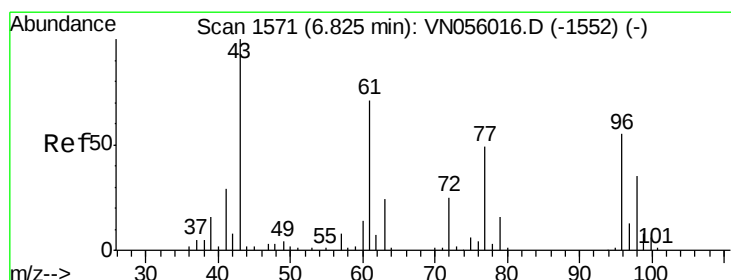
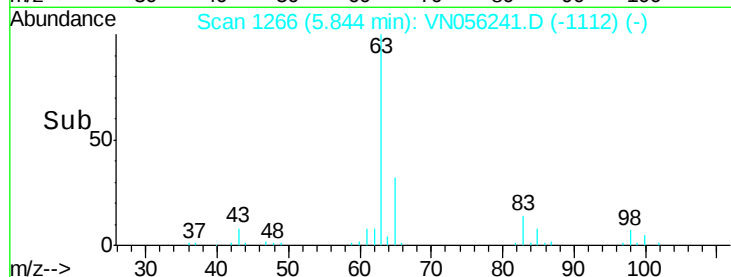
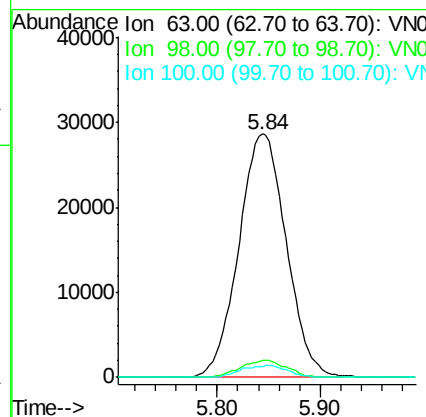
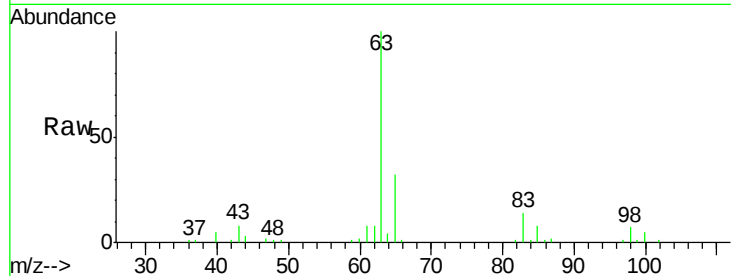
ClientSampleId :

VN0612WBSD01

Tot Ion:	63	Resp:	91484
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.5	10.5
100	4.6	2.3	6.9

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:20 AM



#22

cis-1,2-Dichloroethene

Concen: 18.815 ug/l

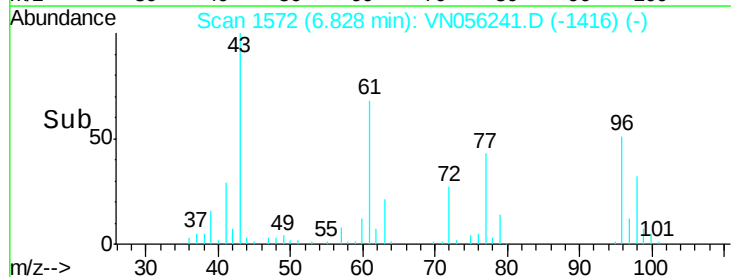
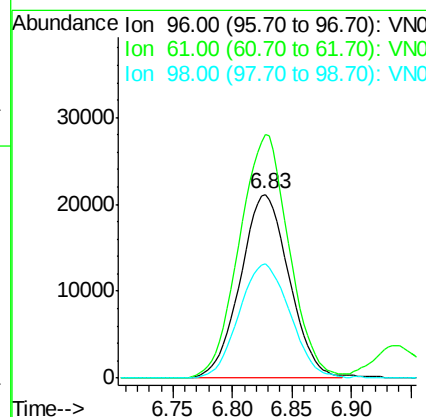
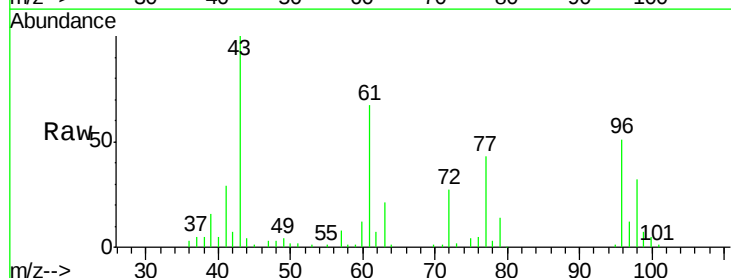
RT: 6.83 min Scan# 1572

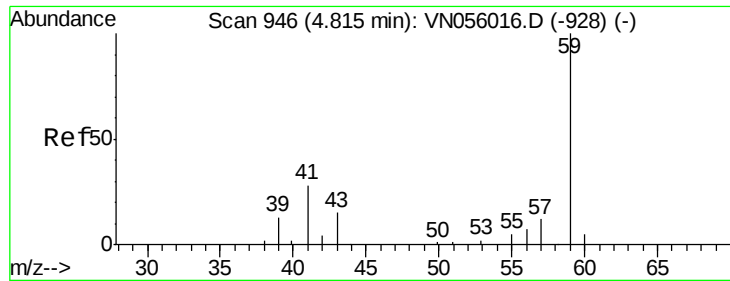
Delta R.T. 0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Tgt Ion:	96	Resp:	60085
Ion Ratio	Lower	Upper	
96	100		
61	134.7	105.7	158.5
98	64.9	52.0	78.0





#23

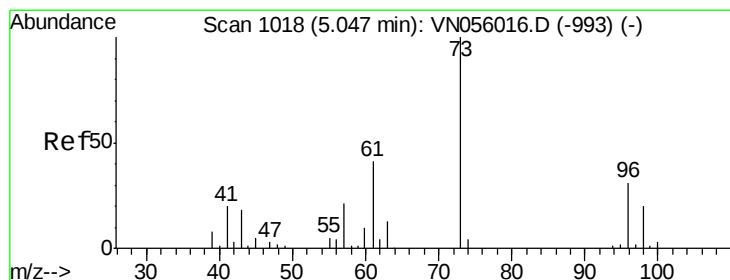
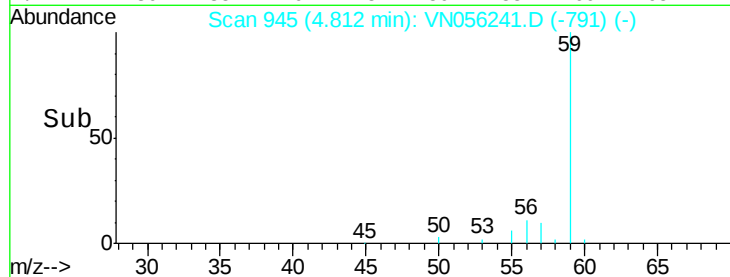
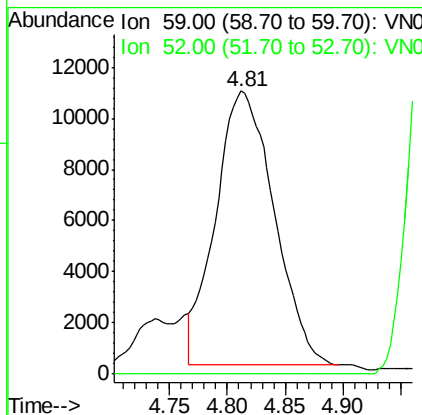
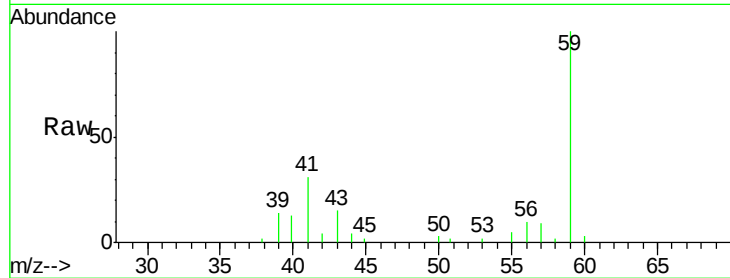
tert-Butyl Alcohol
 Concen: 70.159 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

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

Manual Integrations
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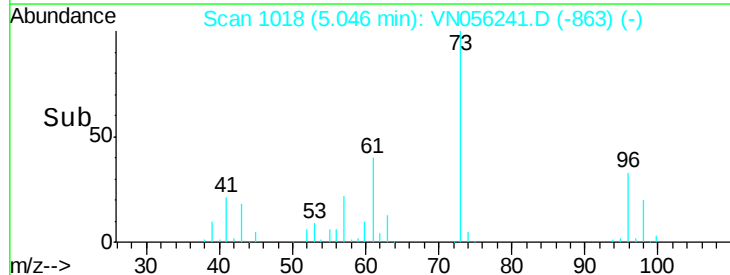
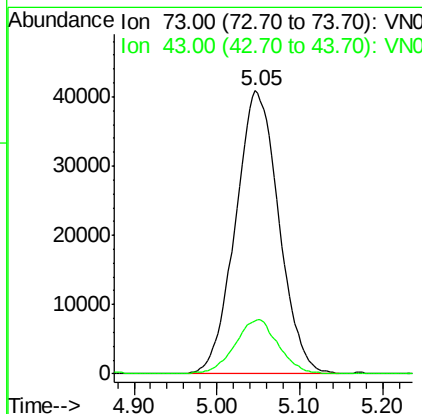
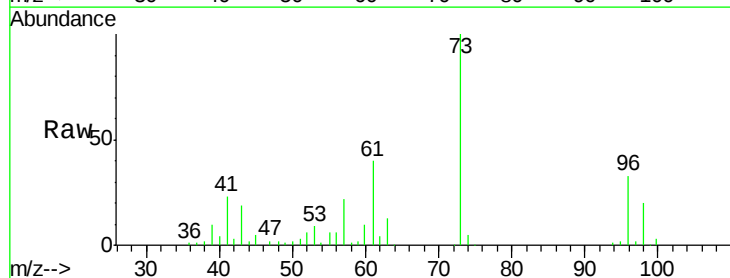
MMDadoda
 6/13/2019 9:42:20 AM

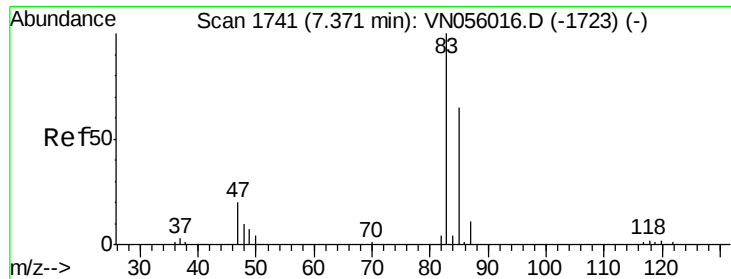


#24

Methyl tert-Butyl Ether
 Concen: 18.213 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	19.3	15.4	23.0





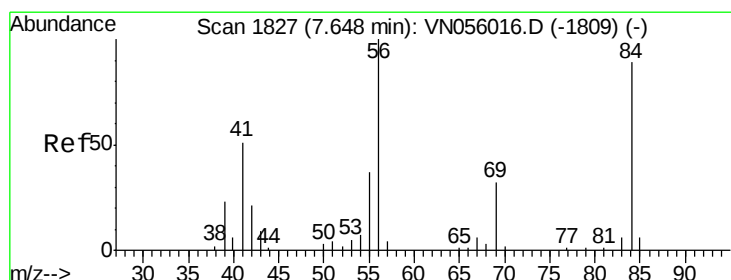
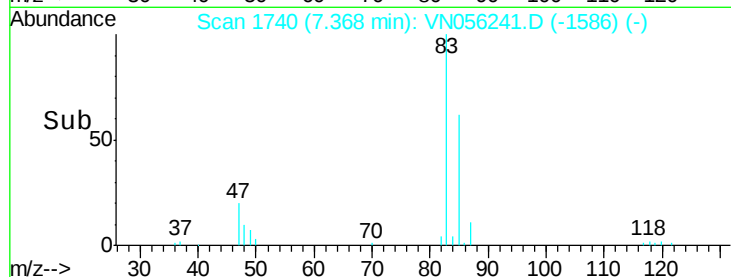
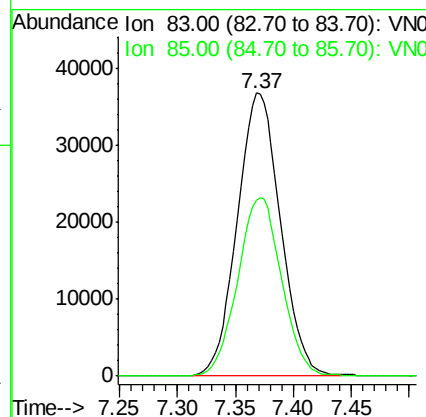
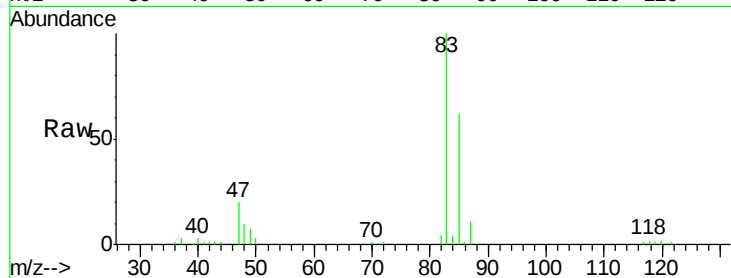
#25
Chloroform
Concen: 19.956 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion: 83 Resp: 95287
Ion Ratio Lower Upper
83 100
85 62.3 52.0 78.0

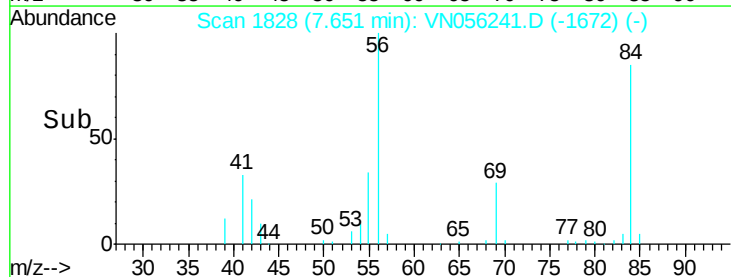
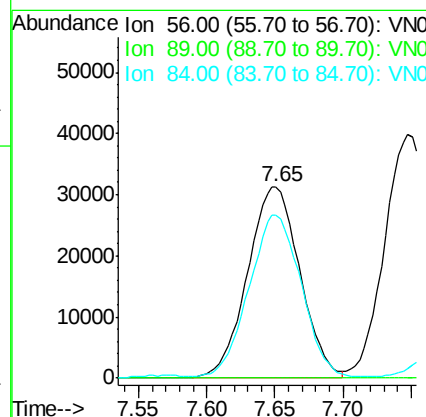
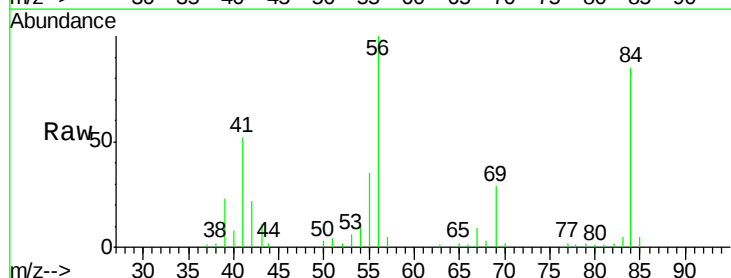
Manual Integrations
APPROVED

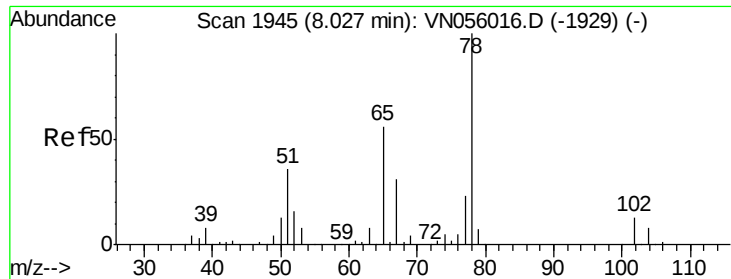
MMDadoda
6/13/2019 9:42:20 AM



#26
Cyclohexane
Concen: 18.738 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion: 56 Resp: 83129
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.3 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 29.597 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion: 65 Resp: 90251

Ion Ratio Lower Upper

65 100

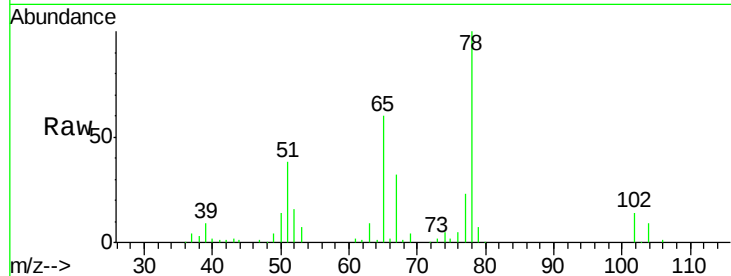
67 54.4 43.4 65.2

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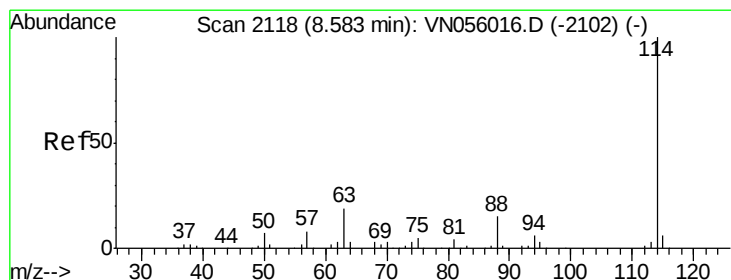
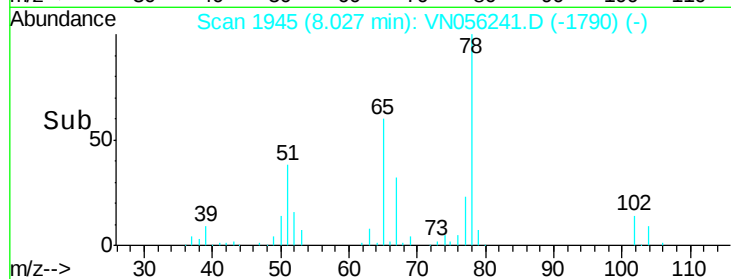
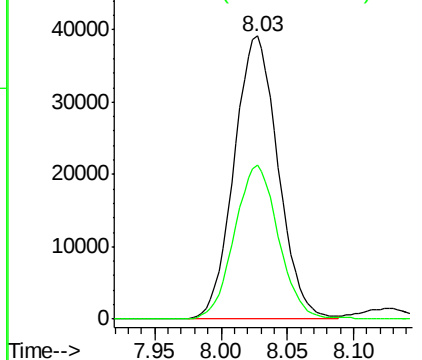
MMDadoda

6/13/2019 9:42:20 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

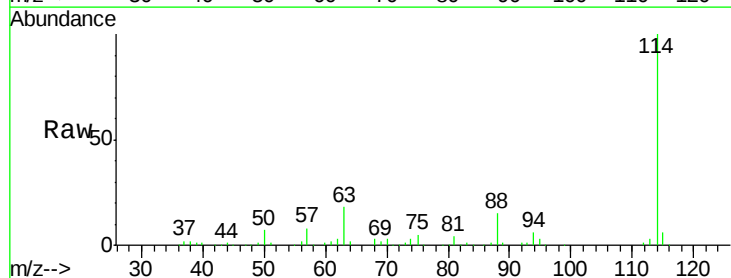
Tgt Ion: 114 Resp: 245053

Ion Ratio Lower Upper

114 100

63 18.4 14.7 22.1

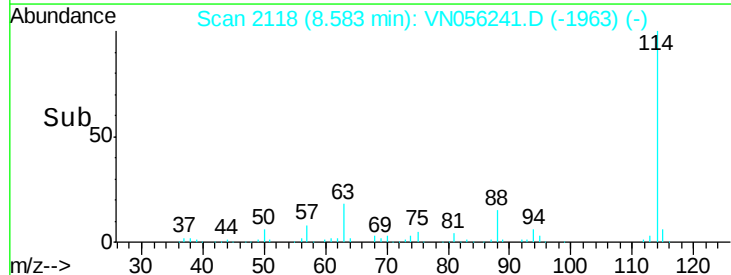
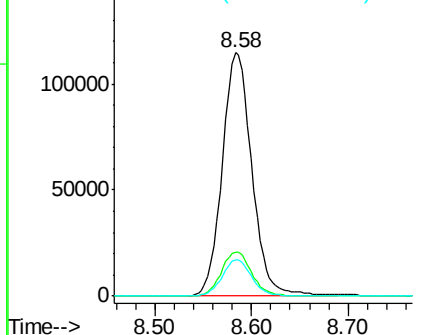
88 14.7 11.9 17.9

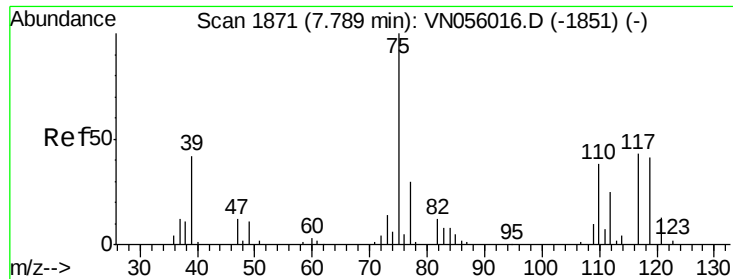


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





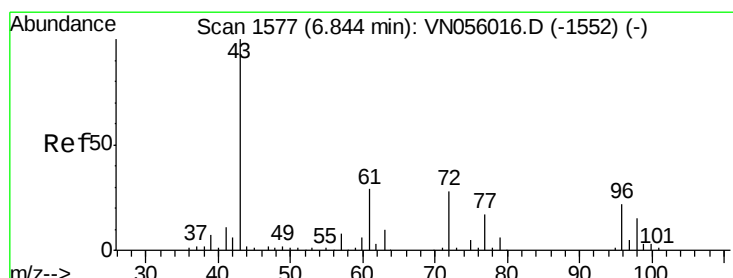
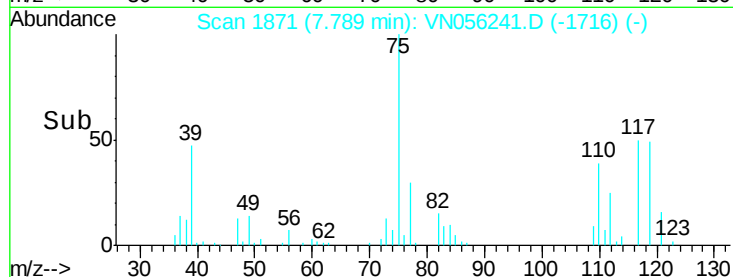
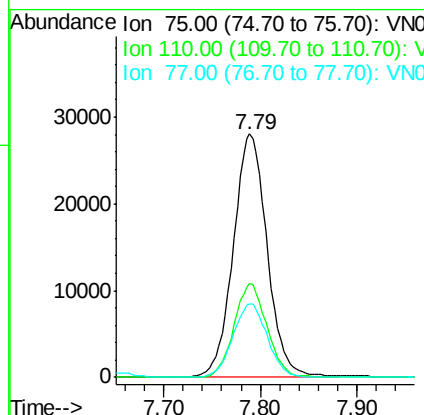
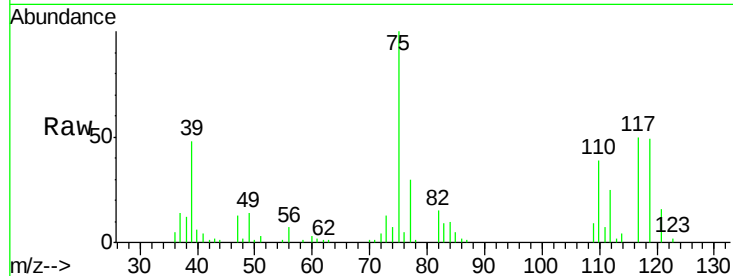
#29
 1,1-Dichloropropene
 Concen: 20.596 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.2	0.0	77.0
77	30.5	0.0	62.4

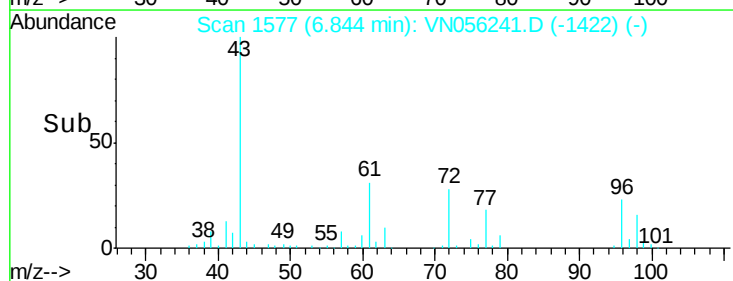
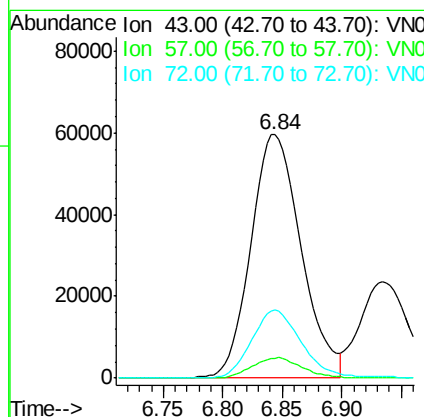
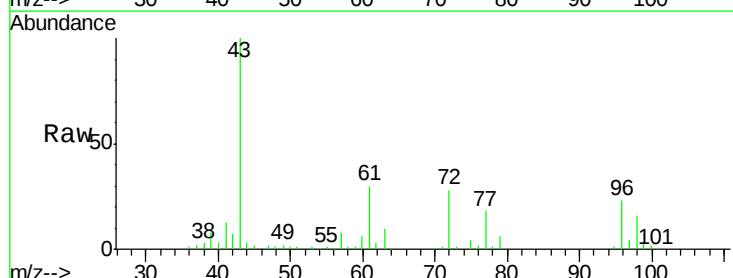
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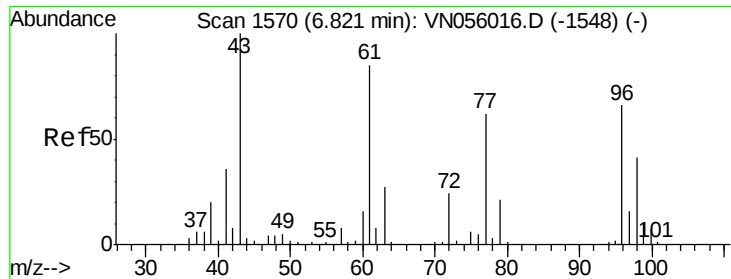
MMDadoda
 6/13/2019 9:42:20 AM



#30
 2-Butanone
 Concen: 99.518 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	27.6	22.4	33.6





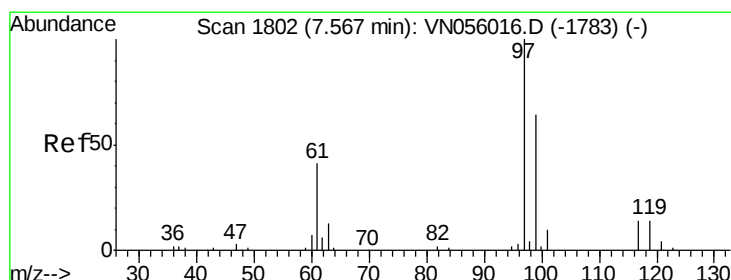
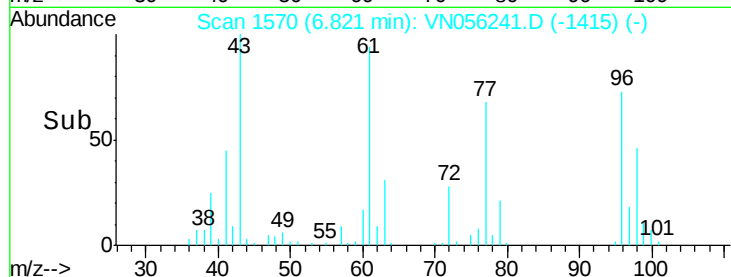
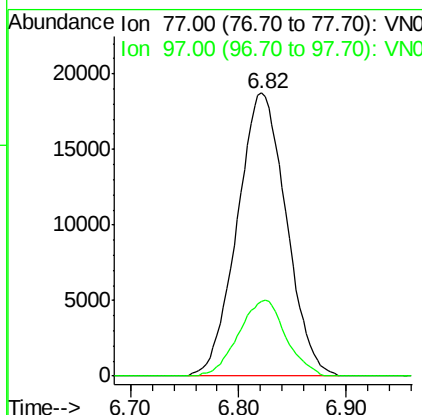
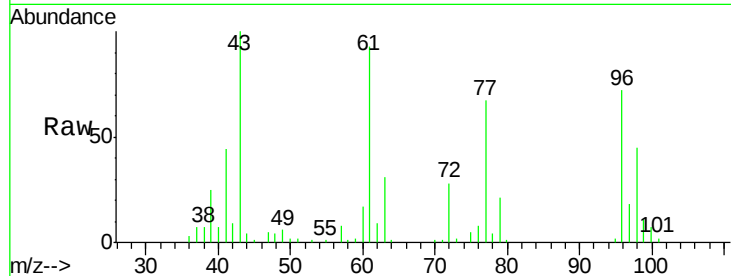
#31
 2,2-Dichloropropane
 Concen: 19.162 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion: 77 Resp: 59088
 Ion Ratio Lower Upper
 77 100
 97 25.9 20.8 31.2

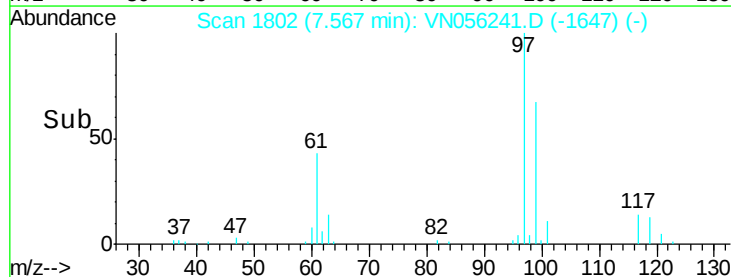
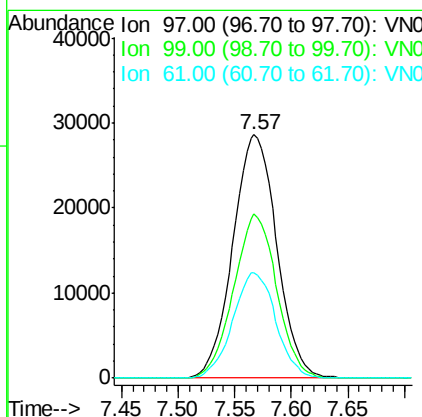
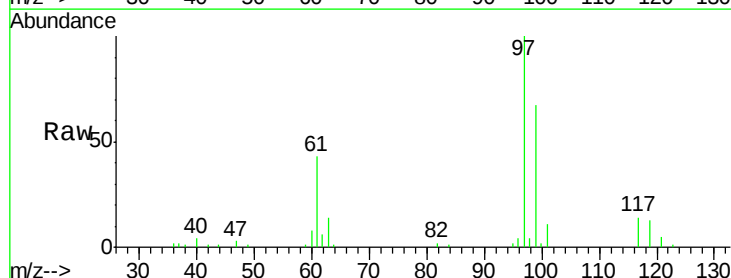
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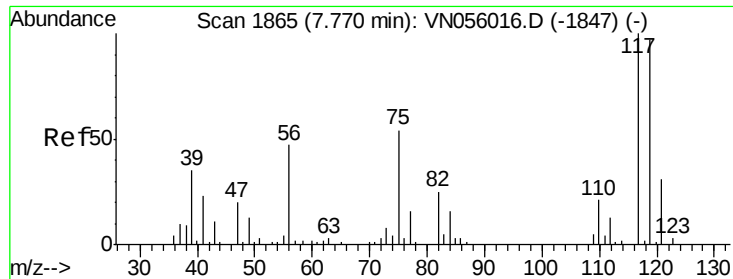
MMDadoda
 6/13/2019 9:42:20 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.093 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion: 97 Resp: 77248
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.5 77.3
 61 42.4 32.9 49.3





#33

Carbon Tetrachloride

Concen: 21.737 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion:117 Resp: 67446

Ion Ratio Lower Upper

117 100

119 94.4 77.3 115.9

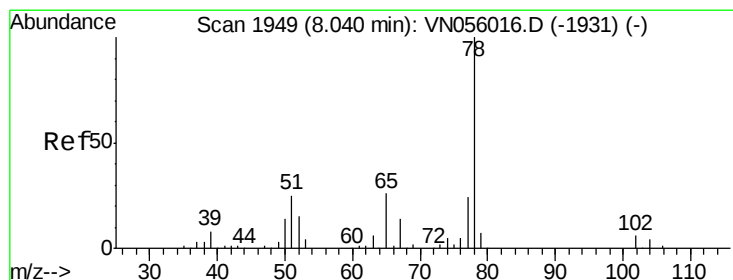
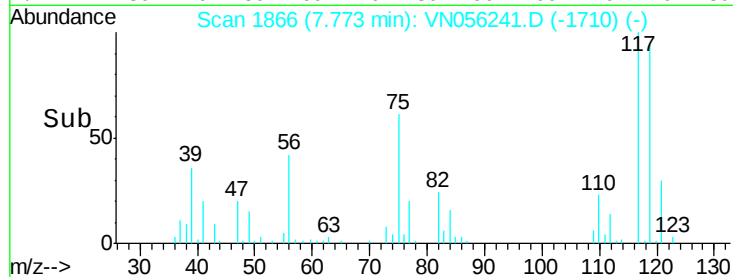
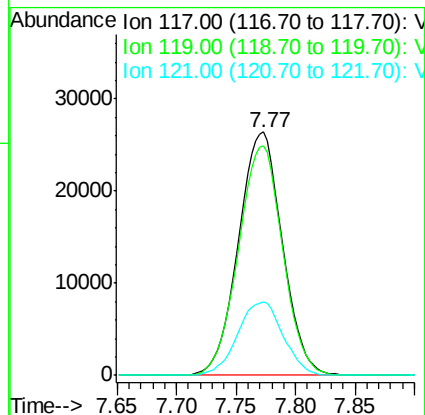
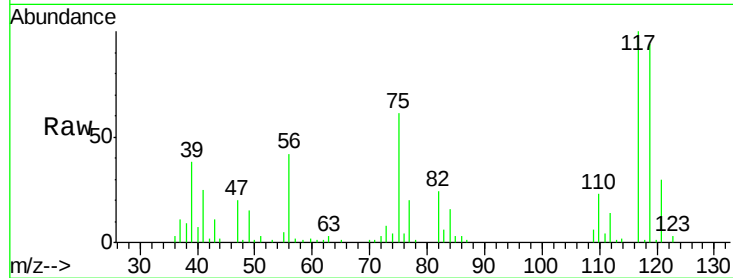
121 29.9 25.0 37.4

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#34

Benzene

Concen: 20.666 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

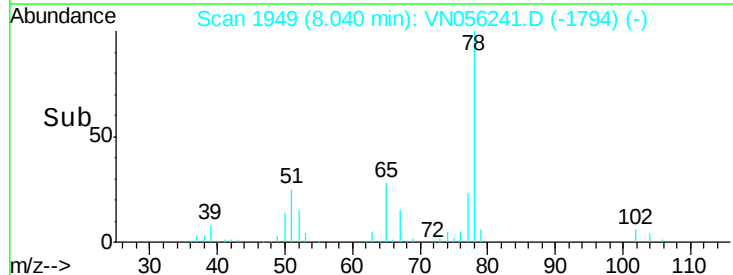
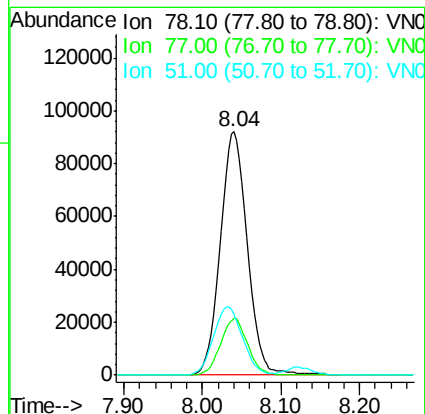
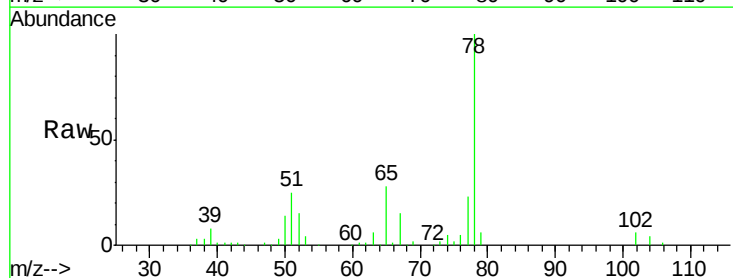
Tgt Ion: 78 Resp: 218263

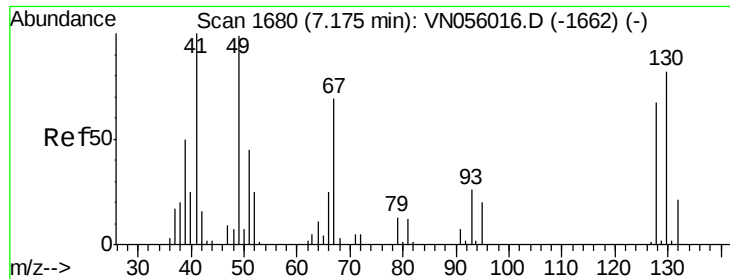
Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

51 24.9 19.8 29.8





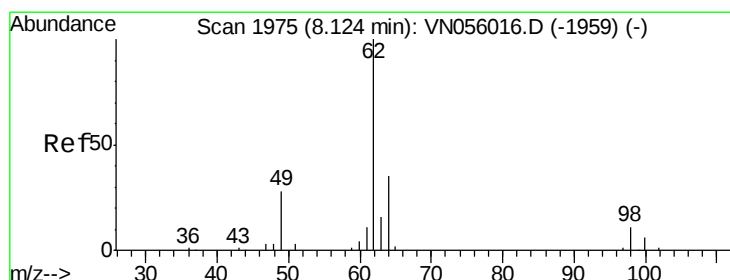
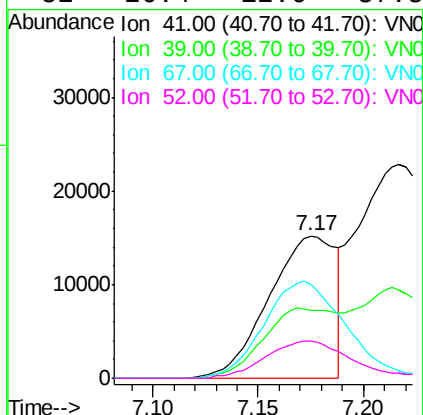
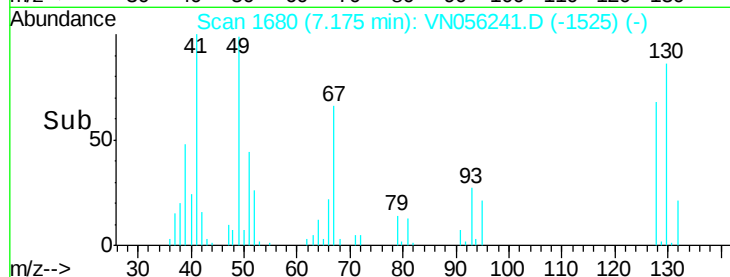
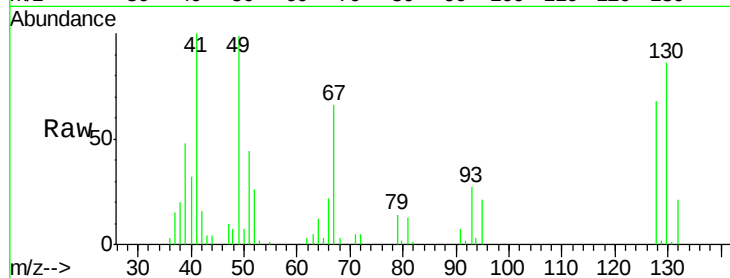
#35
Methacrylonitrile
Concen: 22.683 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.6	24.8	74.3	
67	66.0	34.3	102.9	
52	26.4	12.6	37.8	

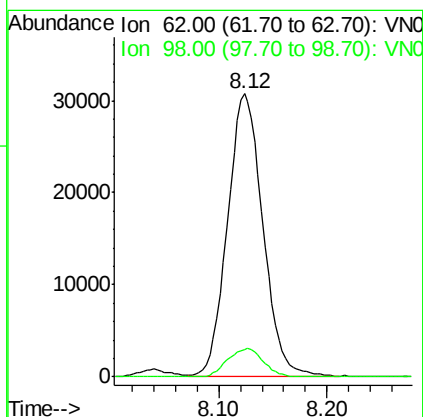
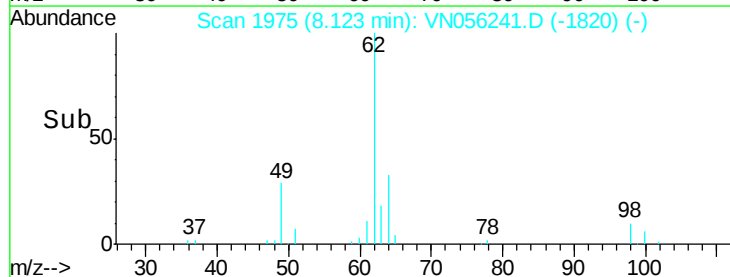
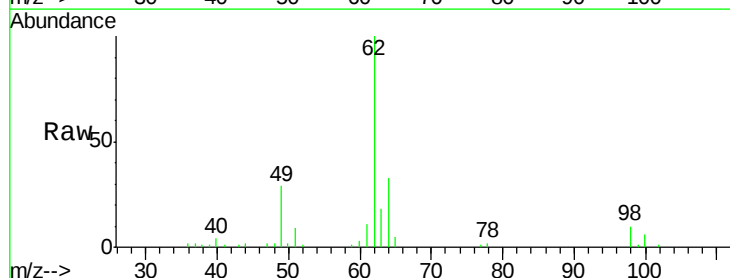
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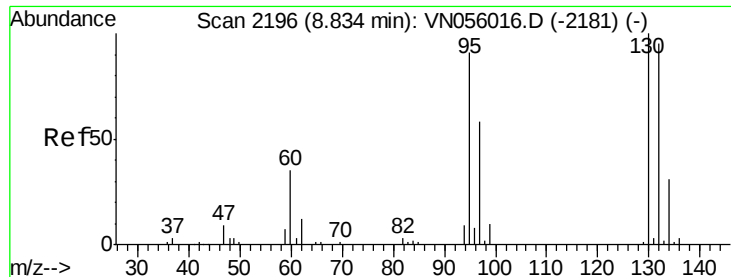
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#36
1,2-Dichloroethane
Concen: 21.288 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	8.6	13.0	





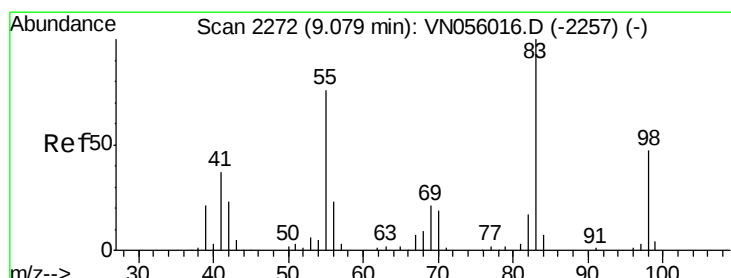
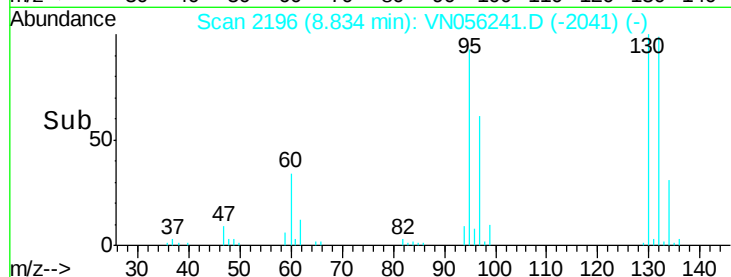
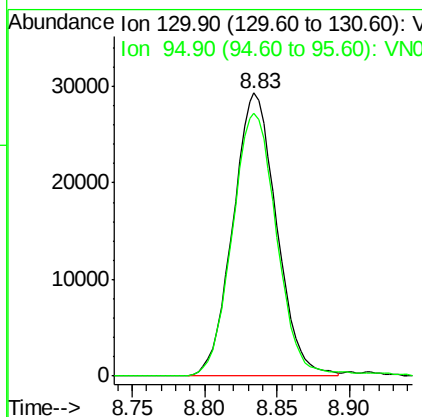
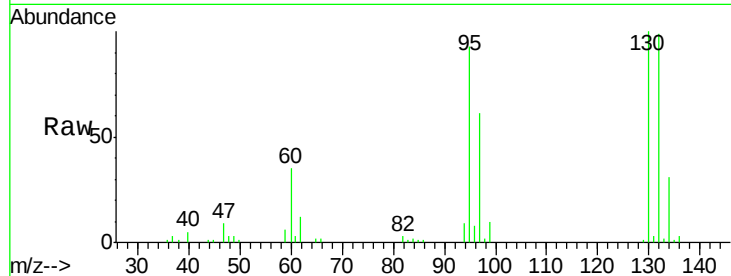
#37
 Trichloroethene
 Concen: 20.720 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion:130 Resp: 61237
 Ion Ratio Lower Upper
 130 100
 95 93.1 73.0 109.6

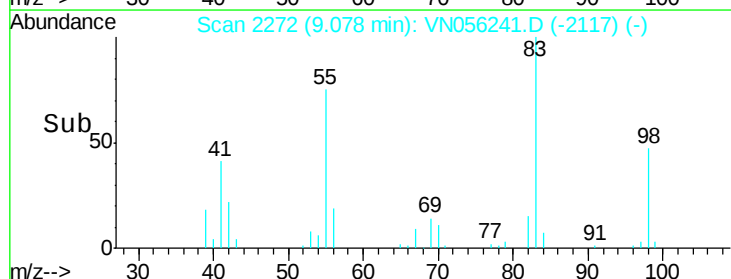
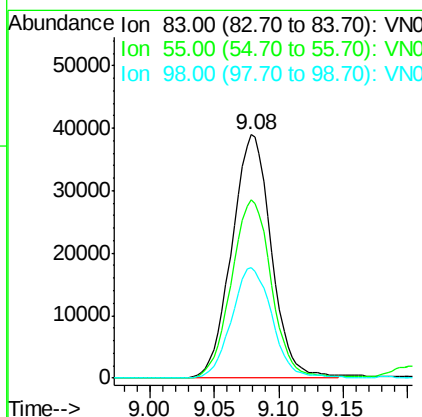
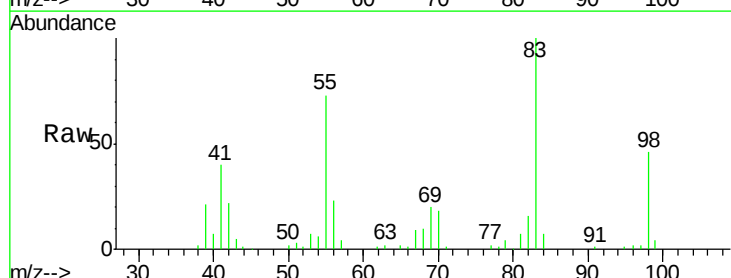
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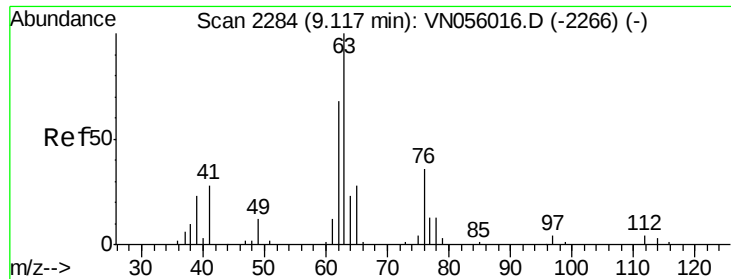
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.792 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion: 83 Resp: 83173
 Ion Ratio Lower Upper
 83 100
 55 73.8 37.5 112.7
 98 46.3 23.1 69.3





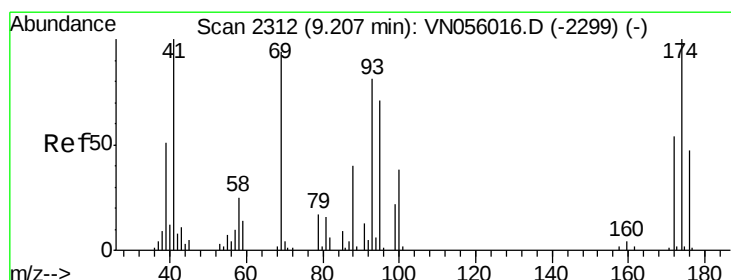
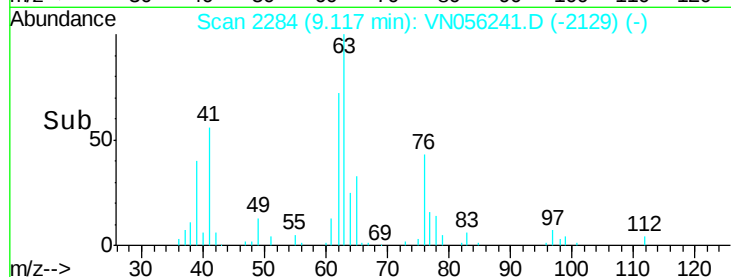
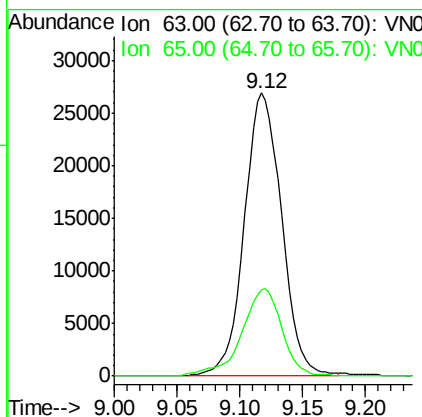
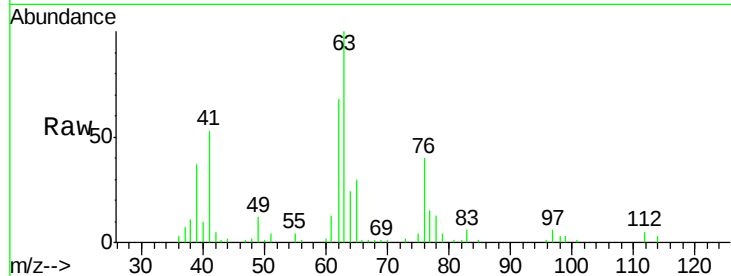
#39
 1,2-Dichloropropane
 Concen: 20.615 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion: 63 Resp: 55763
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.1 34.7

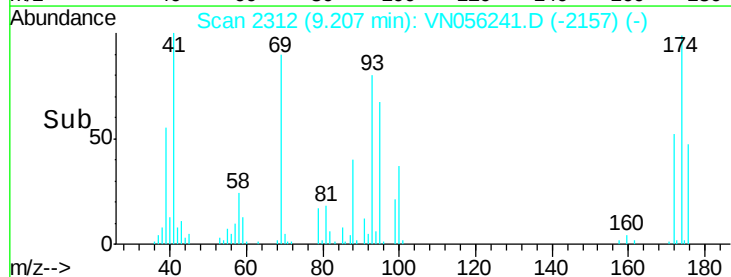
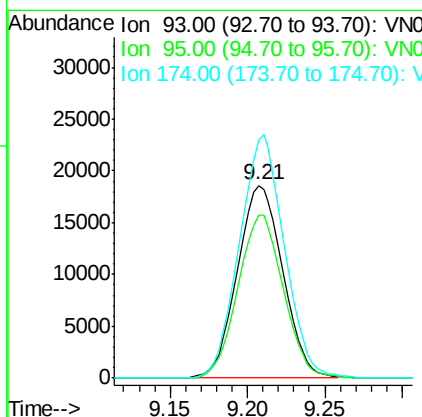
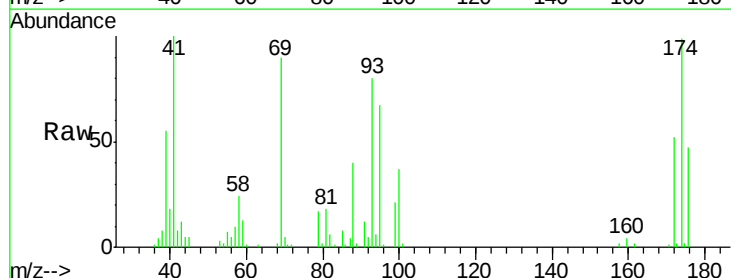
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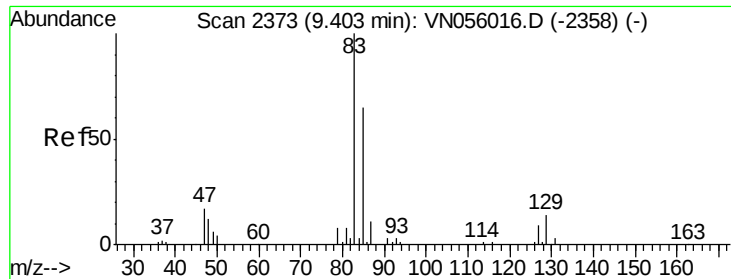
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 6/13/2019 9:42:20 AM



#40
 Dibromomethane
 Concen: 21.205 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion: 93 Resp: 38032
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 169.0
 174 124.8 0.0 246.4





#41

Bromodichloromethane

Concen: 21.765 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

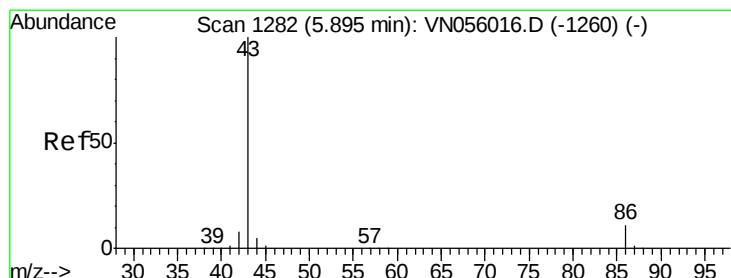
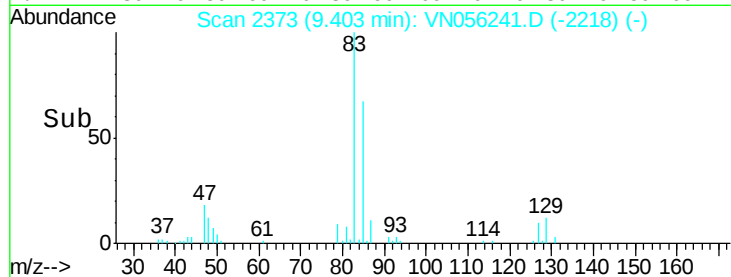
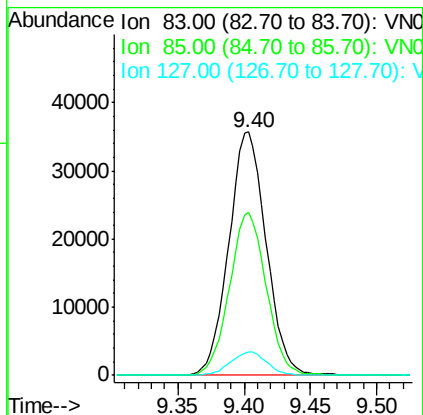
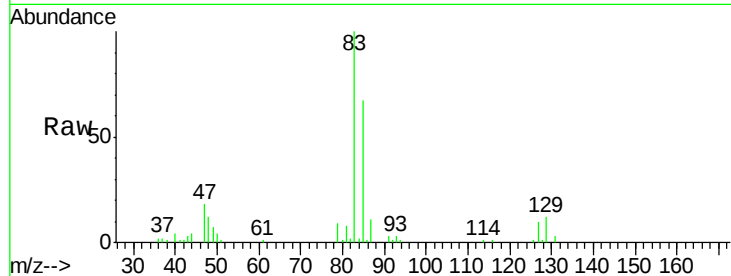
ClientSampleId :

VN0612WBSD01

Tot Ion:	83	Resp:	69900
Ion Ratio	Lower	Upper	
83	100		
85	67.1	51.8	77.6
127	9.7	7.3	10.9

Manual Integrations
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MMDadoda
6/13/2019 9:42:20 AM



#42

Vinyl Acetate

Concen: 100.996 ug/l

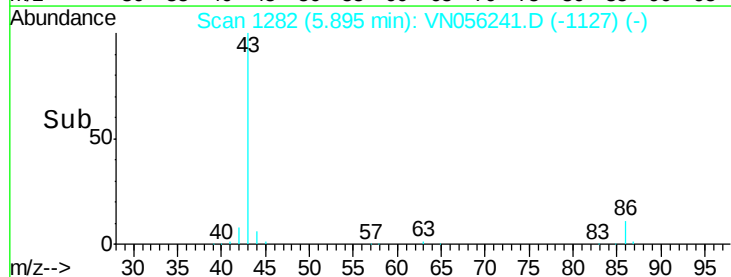
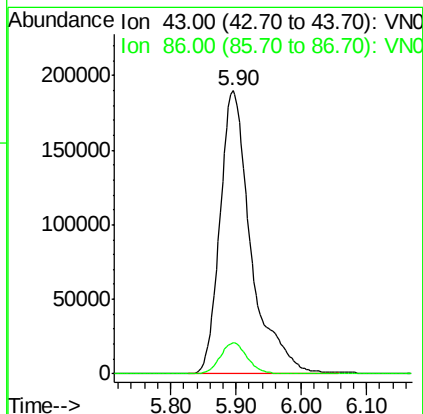
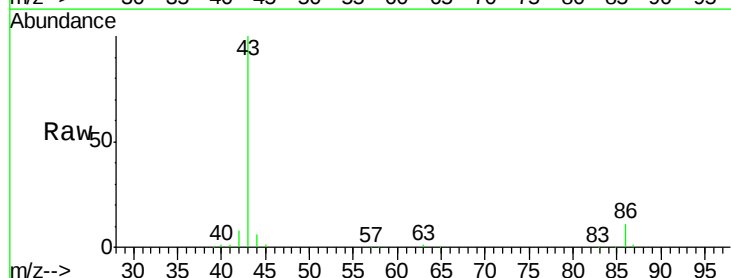
RT: 5.90 min Scan# 1282

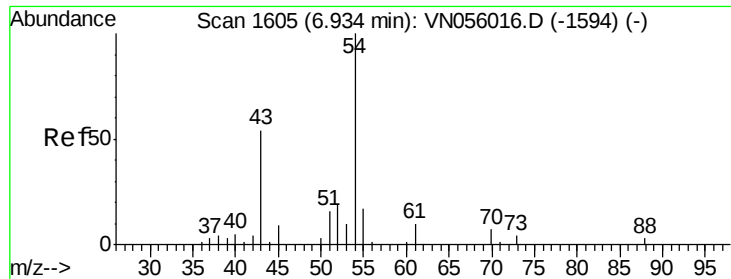
Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Tgt Ion:	43	Resp:	628333
Ion Ratio	Lower	Upper	
43	100		
86	9.7	7.9	11.9





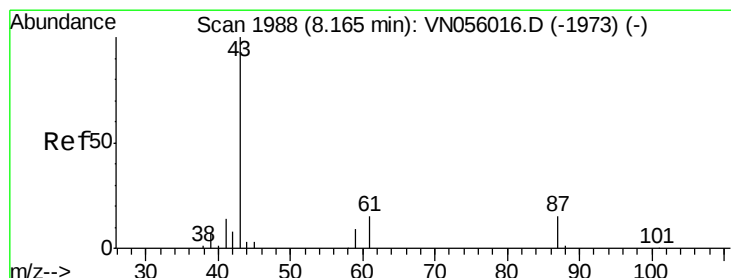
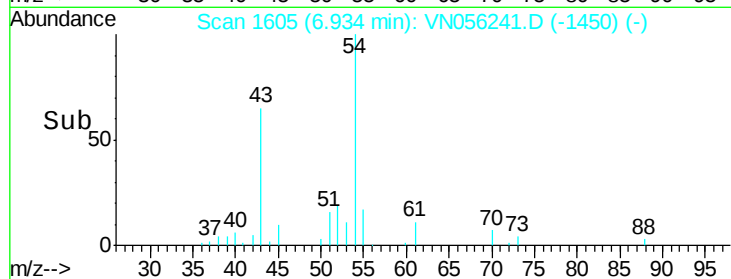
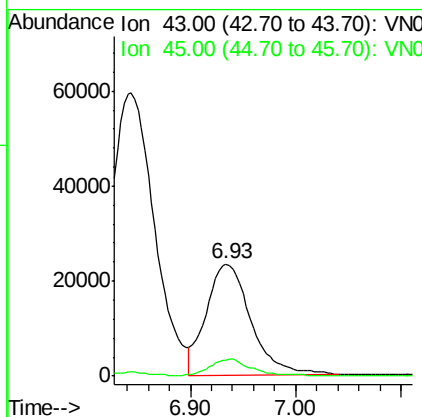
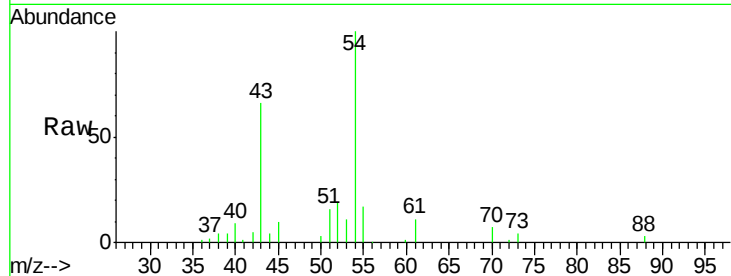
#43
Ethyl Acetate
Concen: 20.444 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	43	45	Ratio	100	12.5	Resp	68277	Lower	12.3	Upper	18.5
Ion	43	45	Ratio	100	12.5	Resp	68277	Lower	12.3	Upper	18.5

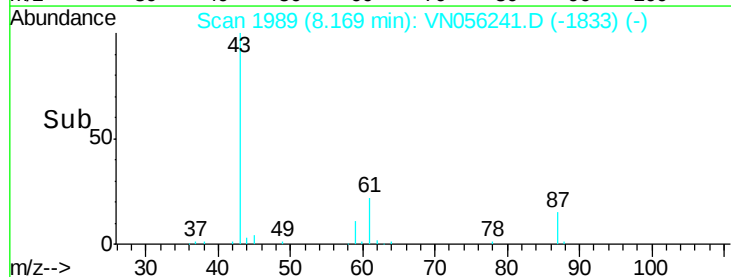
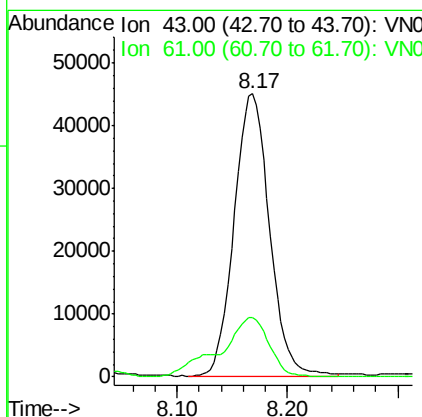
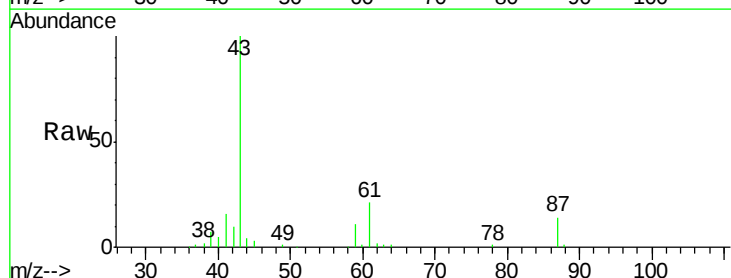
Manual Integrations
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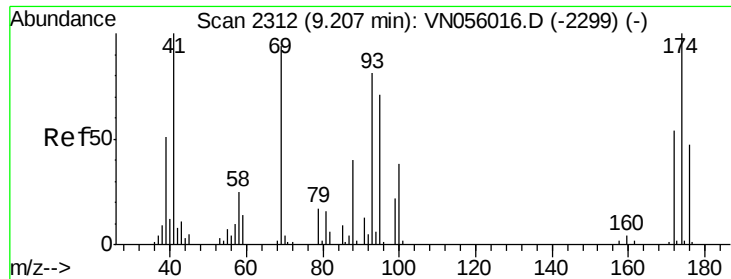
MMDadoda
6/13/2019 9:42:20 AM



#44
Isopropyl Acetate
Concen: 19.225 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	43	61	Ratio	100	21.9	Resp	99691	Lower	16.9	Upper	25.3
Ion	43	61	Ratio	100	21.9	Resp	99691	Lower	16.9	Upper	25.3





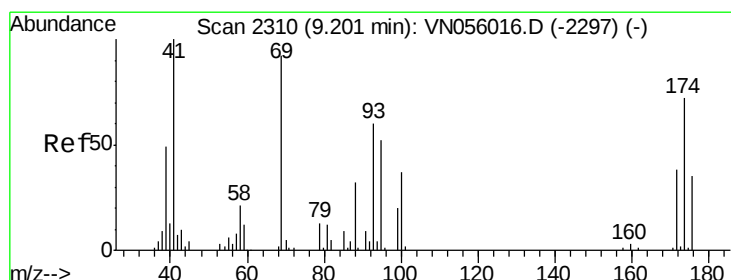
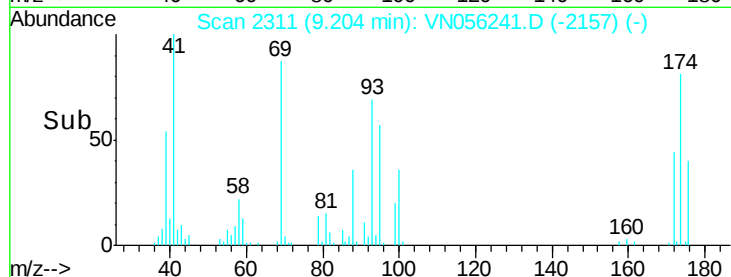
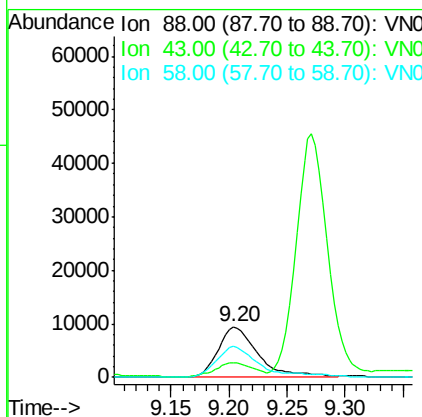
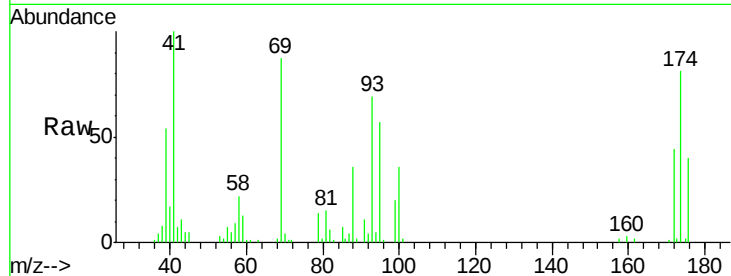
#45
 1,4-Dioxane
 Concen: 409.077 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion	88	Resp	22692
Ion Ratio	Lower	Upper	
88	100		
43	27.7	19.8	29.6
58	59.7	48.5	72.7

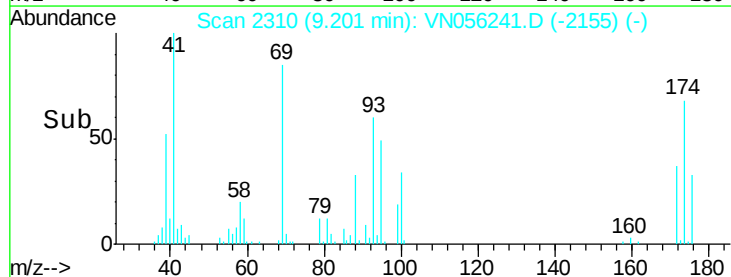
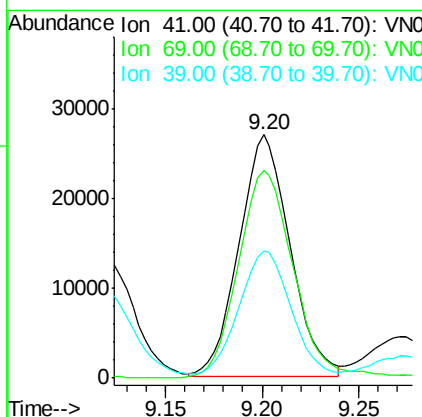
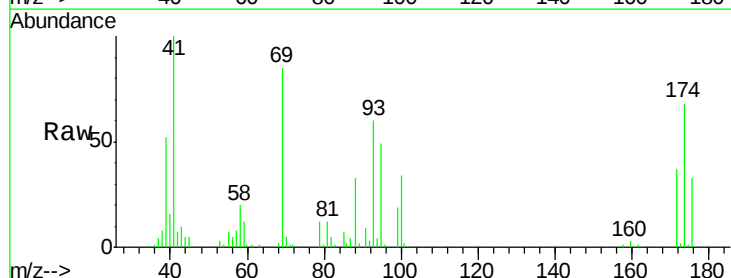
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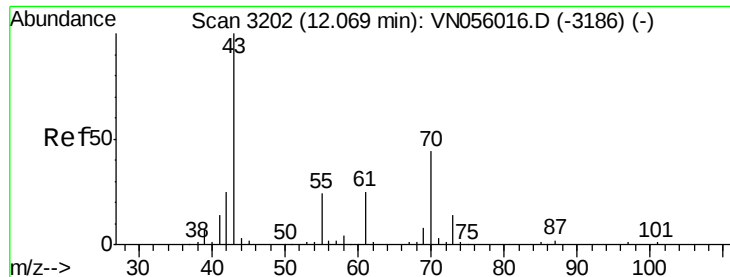
MMDadoda
 6/13/2019 9:42:20 AM



#46
 Methyl methacrylate
 Concen: 19.255 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	41	Resp	49601
Ion Ratio	Lower	Upper	
41	100		
69	86.3	46.0	137.8
39	51.6	24.6	73.8





#47

n-amvl Acetate

Concen: 18.903 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion: 43 Resp: 81063

Ion Ratio Lower Upper

43 100

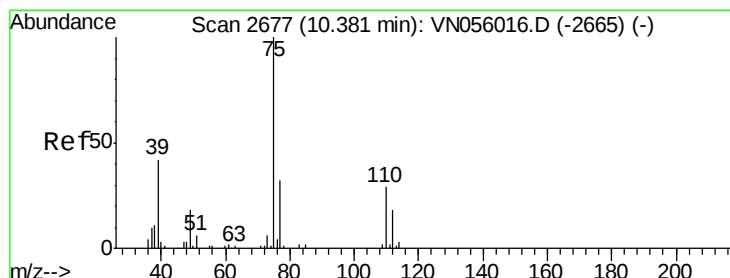
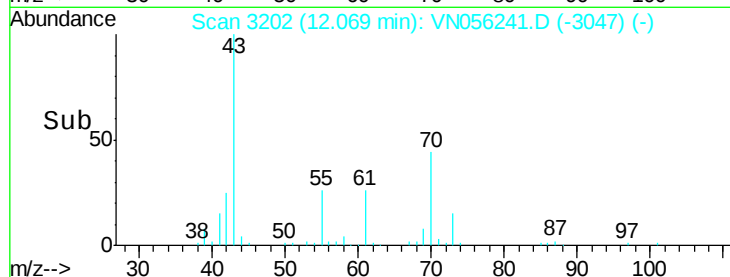
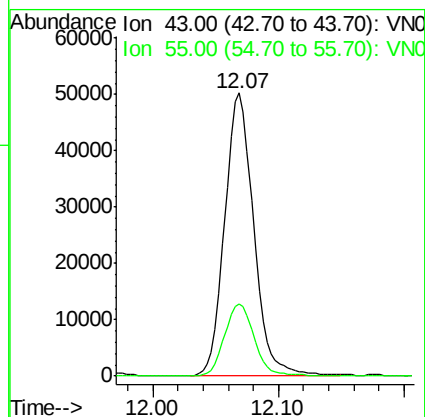
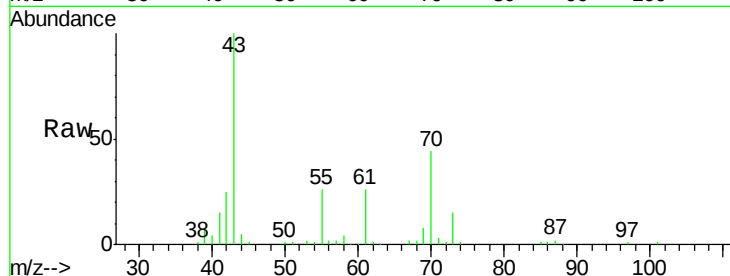
55 26.0 19.0 28.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.665 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056241.D

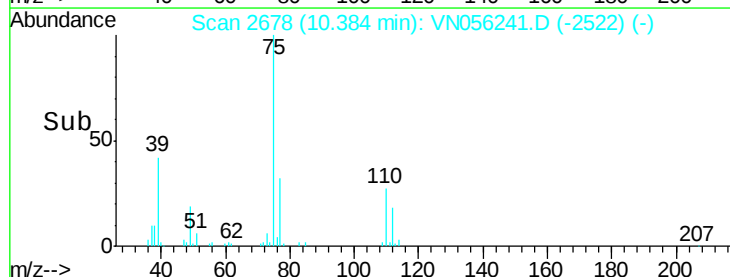
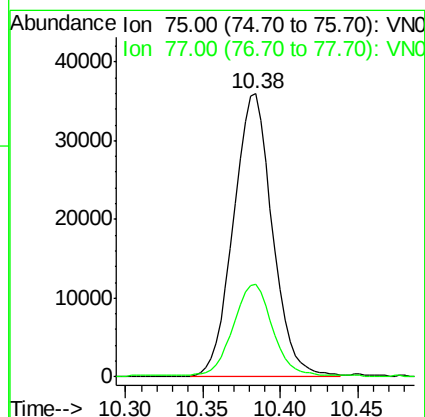
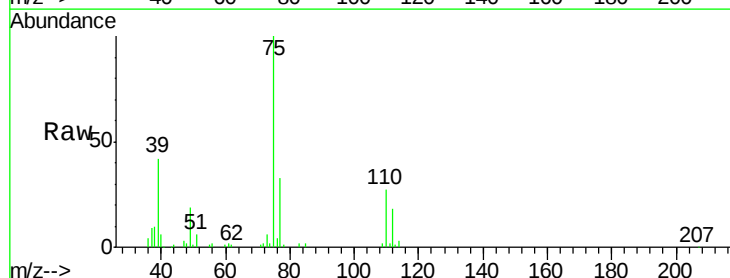
Acq: 12 Jun 2019 11:37

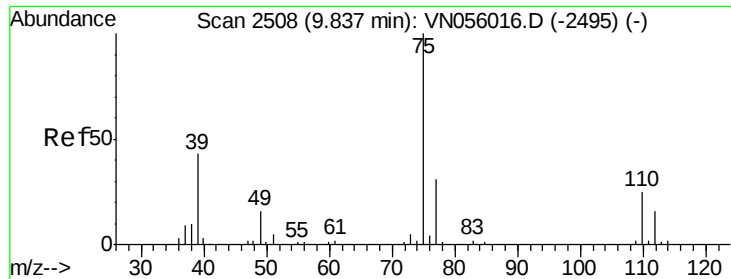
Tgt Ion: 75 Resp: 63084

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0





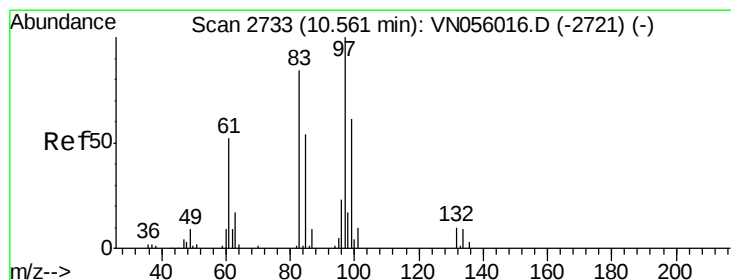
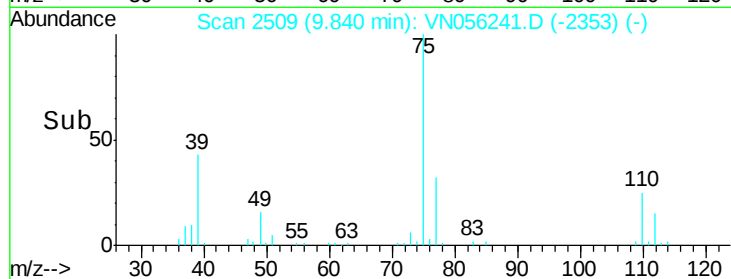
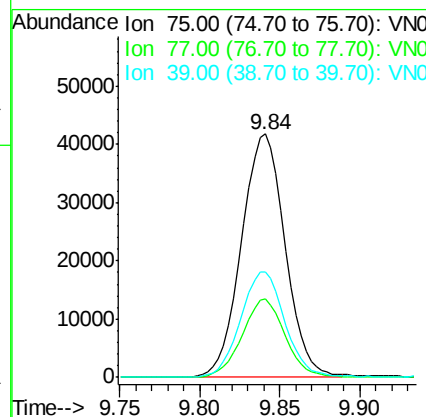
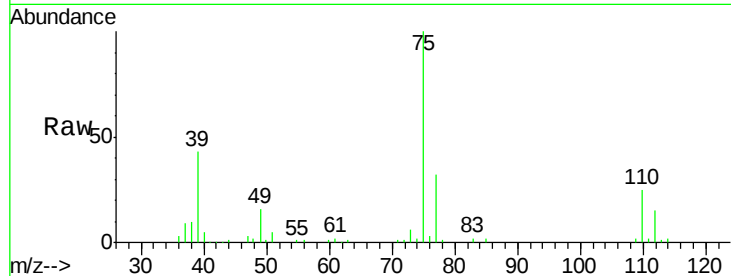
#49
 cis-1,3-Dichloropropene
 Concen: 19.731 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	43.2	34.3	51.5

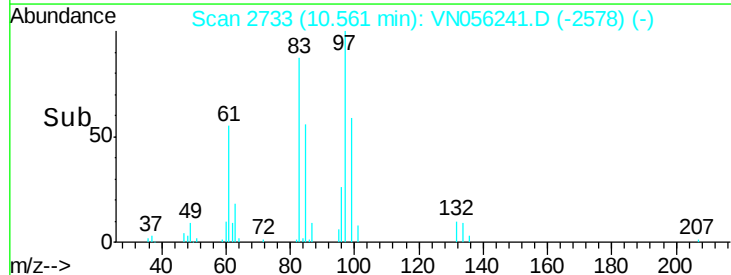
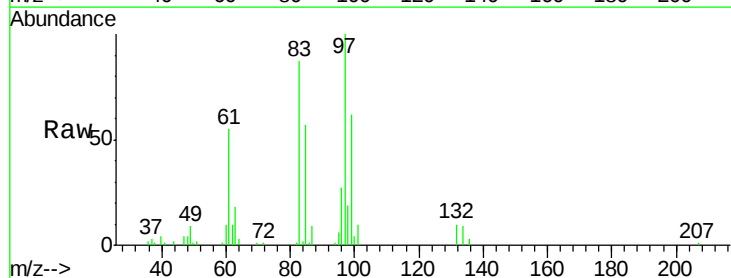
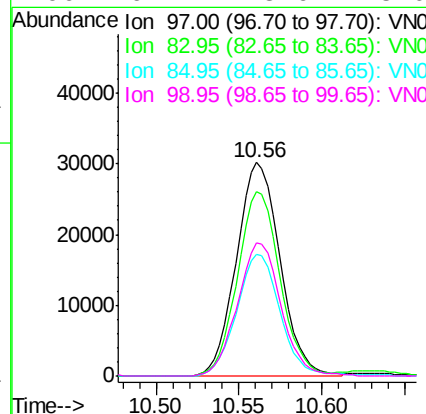
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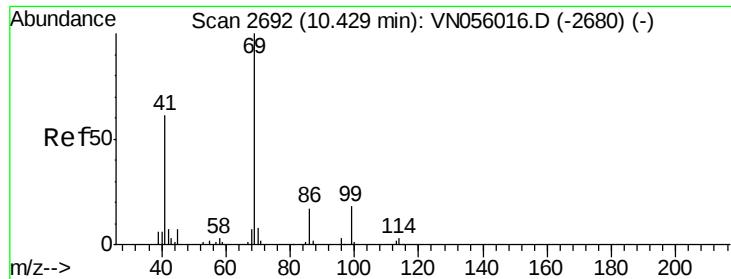
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.767 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.9	100.3
85	57.0	43.3	64.9
99	62.1	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.888 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

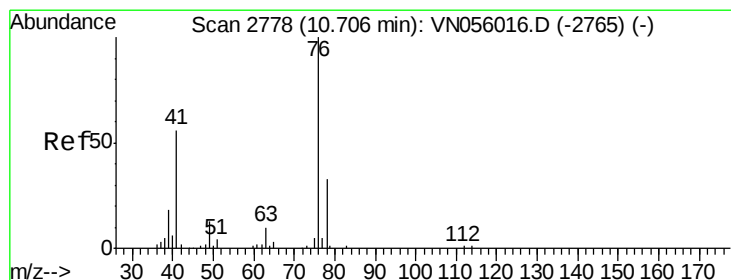
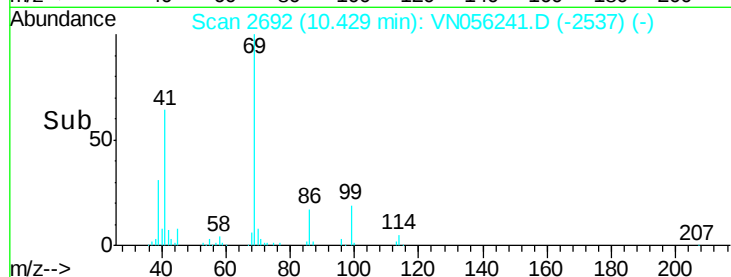
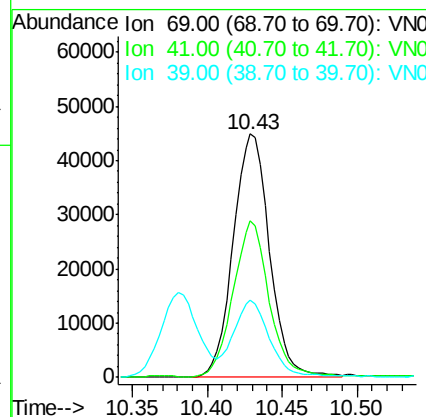
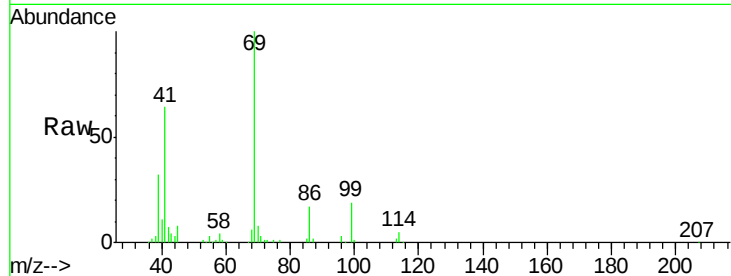
ClientSampleId :

VN0612WBSD01

Tot Ion:	69	Resp:	76123
Ion	Ratio	Lower	Upper
69	100		
41	63.7	30.8	92.3
39	31.0	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.840 ug/l

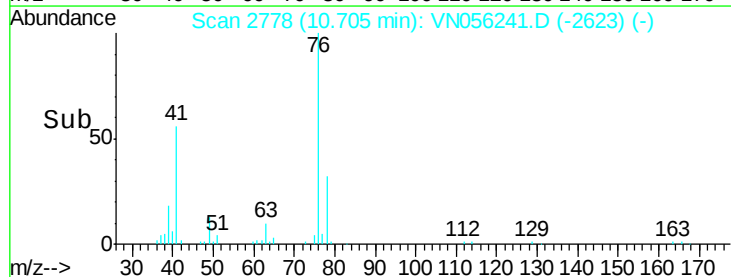
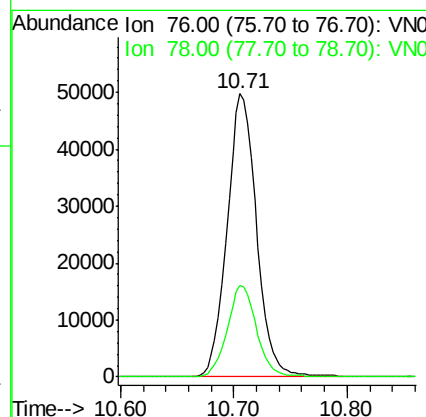
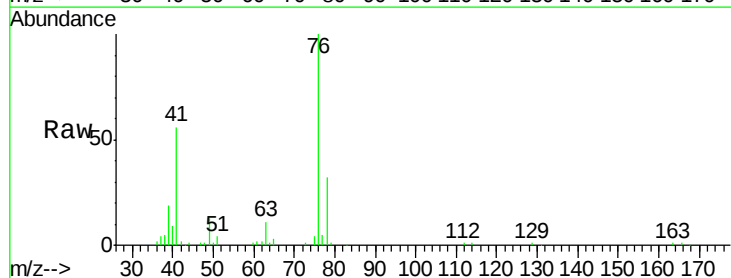
RT: 10.71 min Scan# 2778

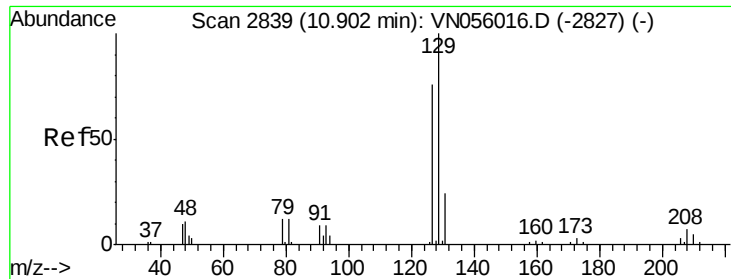
Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Tgt Ion:	76	Resp:	90002
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4





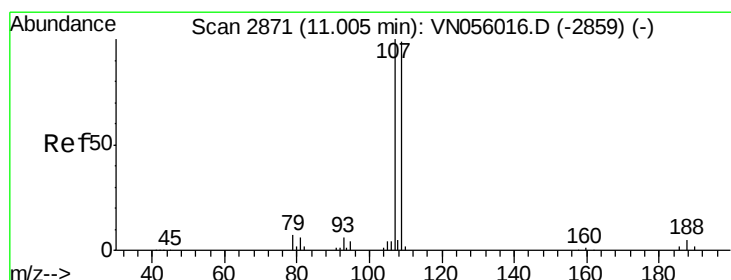
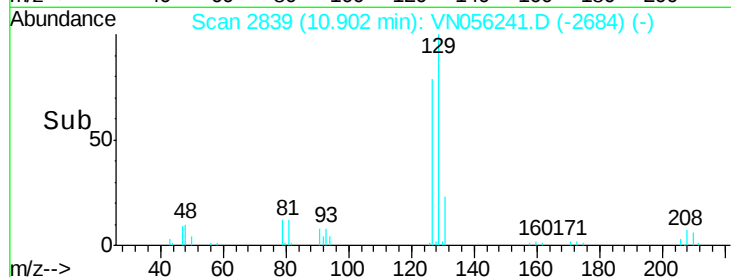
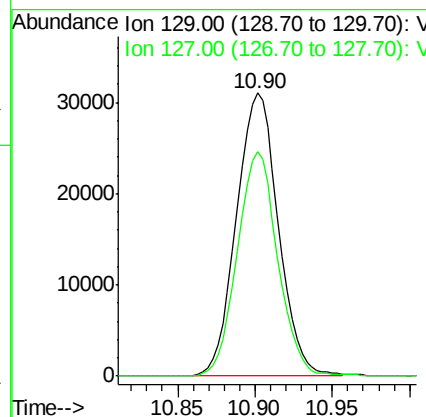
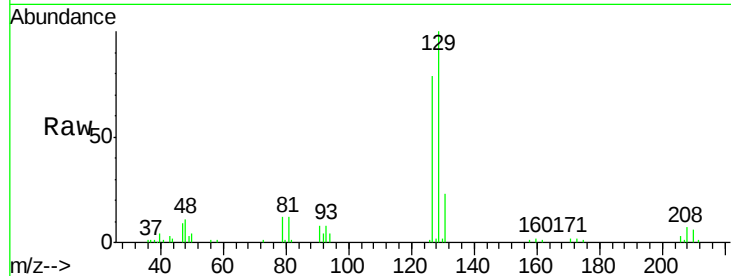
#53
Dibromochloromethane
Concen: 22.402 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion:129 Resp: 58417
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.5

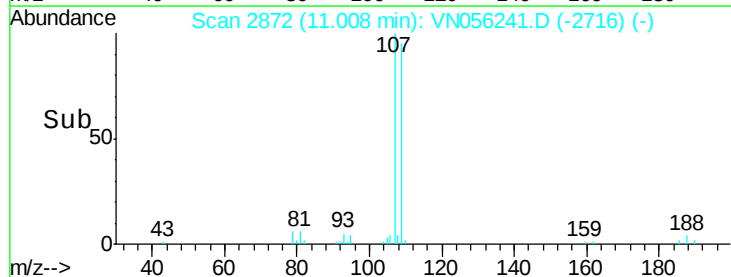
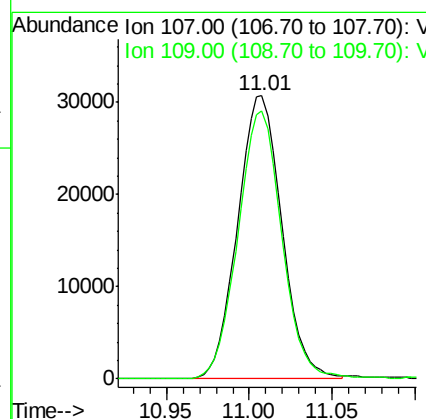
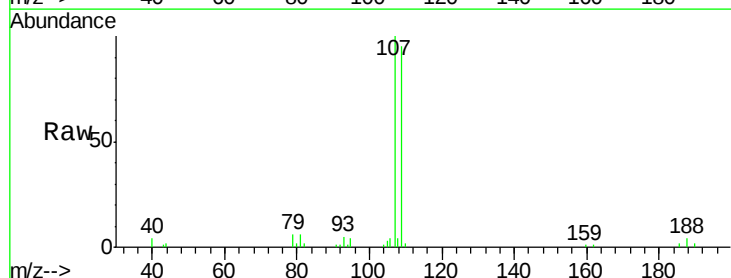
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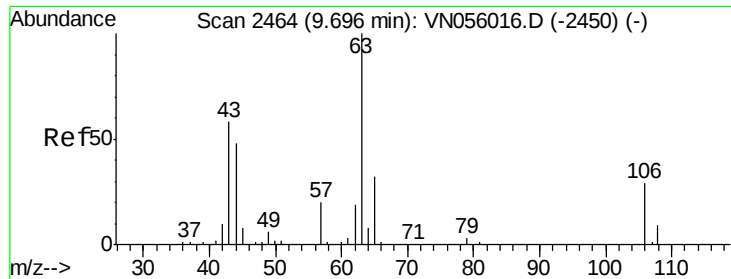
MMDadoda
6/13/2019 9:42:20 AM



#54
1,2-Dibromoethane
Concen: 20.573 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion:107 Resp: 57190
Ion Ratio Lower Upper
107 100
109 93.7 76.8 115.2





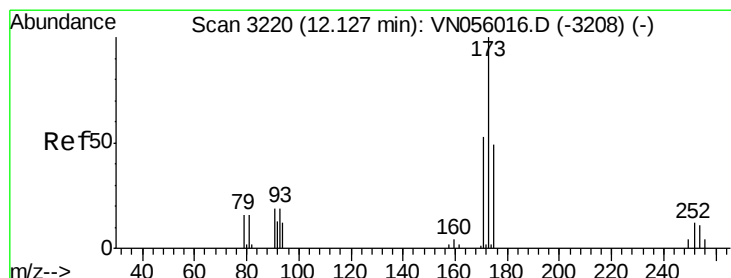
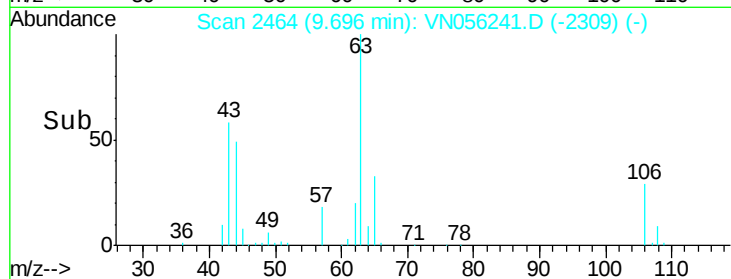
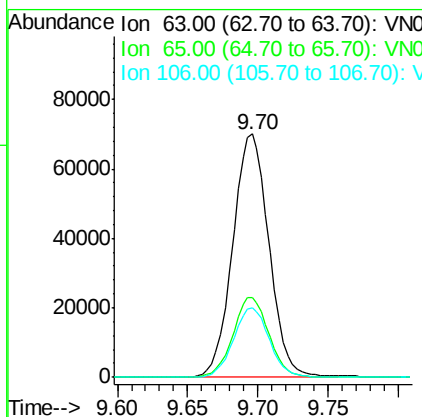
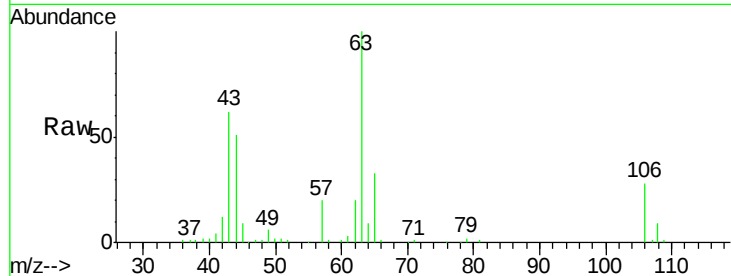
#55
2-Chloroethyl vinyl ether
Concen: 89.336 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.5	38.3
106	28.2	23.0	34.4

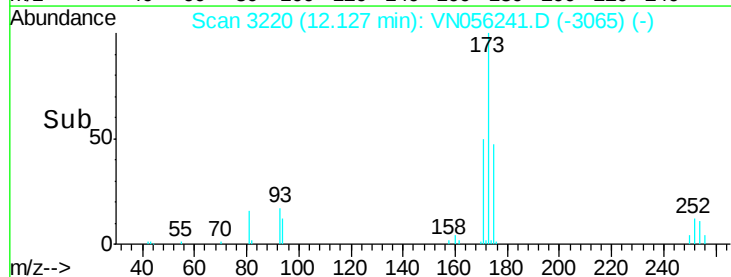
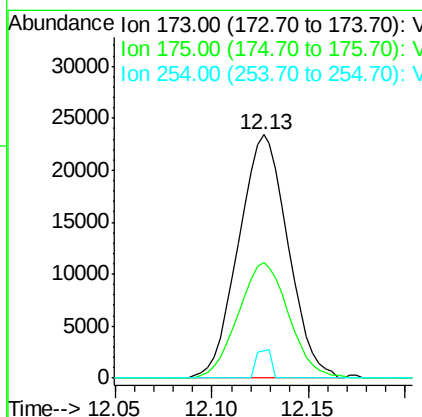
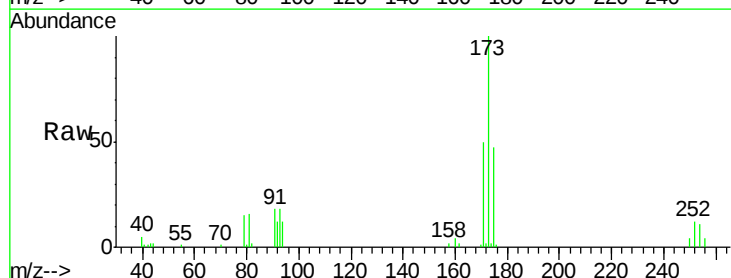
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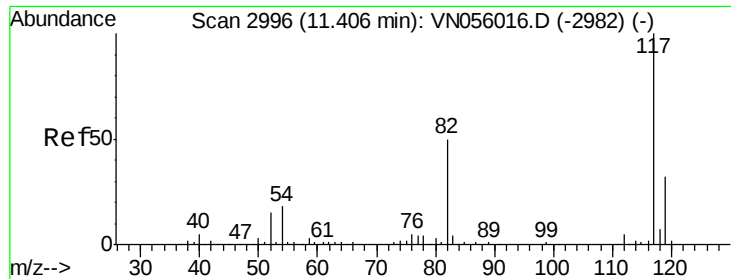
MMDadoda
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#56
Bromoform
Concen: 22.106 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
254	3.6	6.6	9.8#





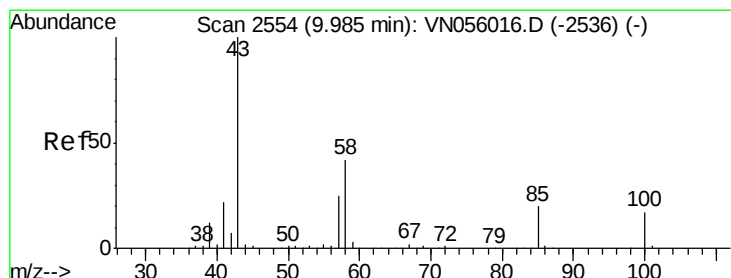
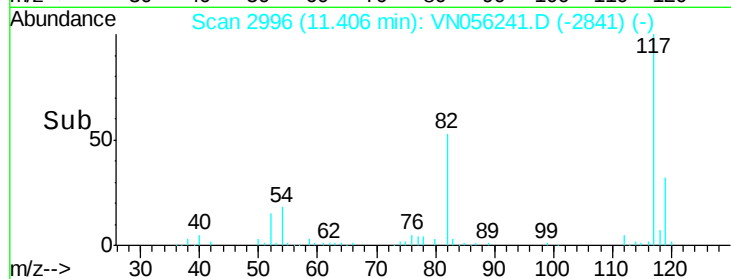
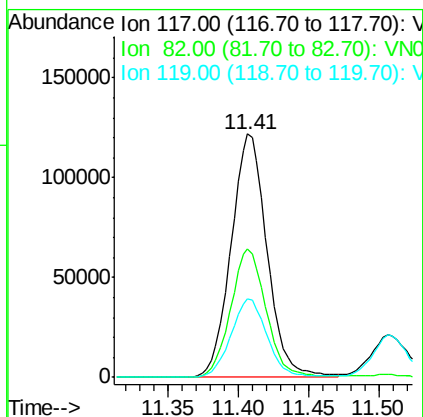
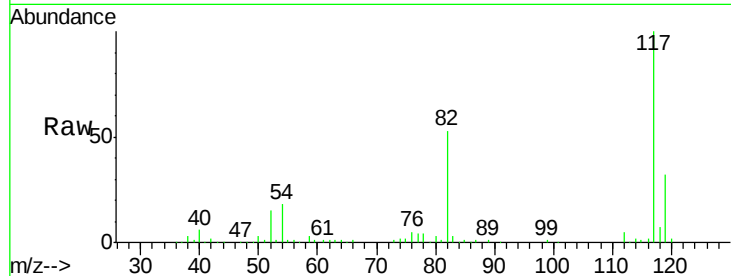
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.2	61.8
119	32.5	26.2	39.2

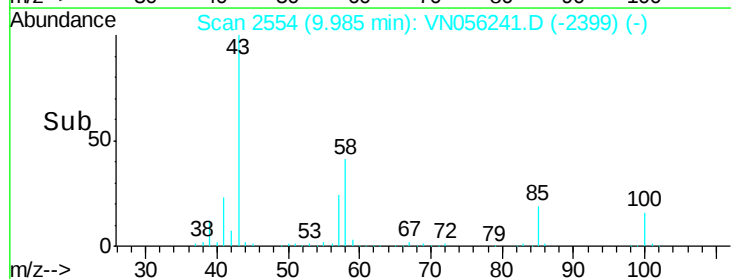
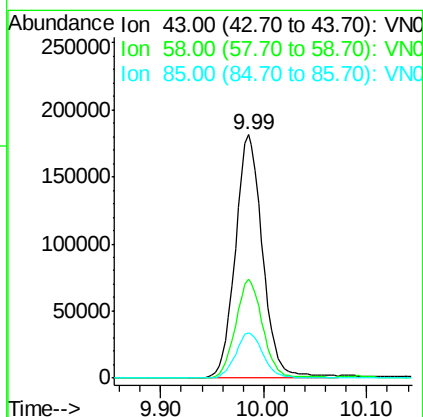
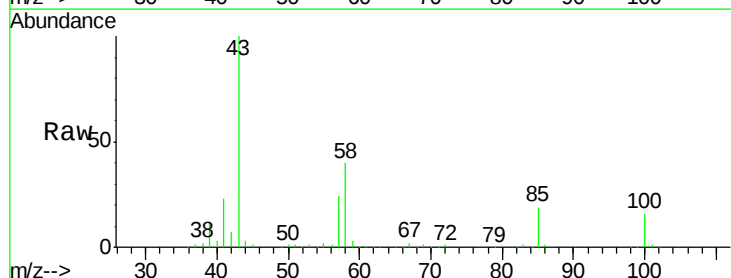
Manual Integrations
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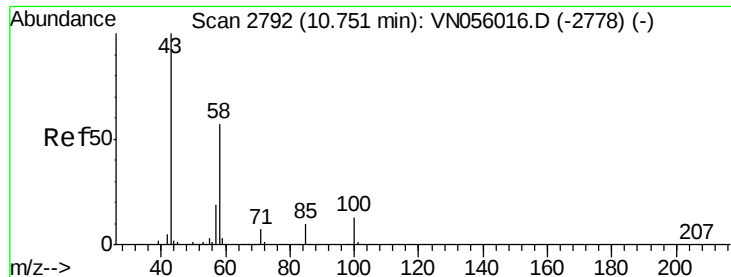
MMDadoda
6/13/2019 9:42:20 AM



#58
4-Methyl-2-Pentanone
Concen: 101.526 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.1	49.7
85	18.8	15.5	23.3





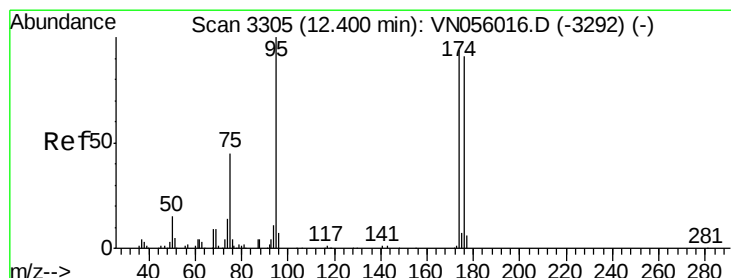
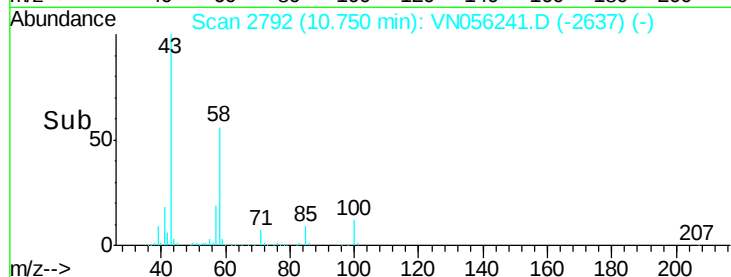
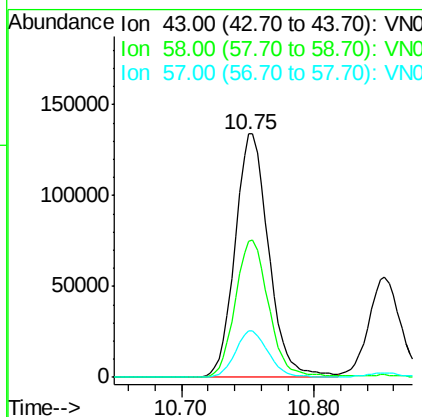
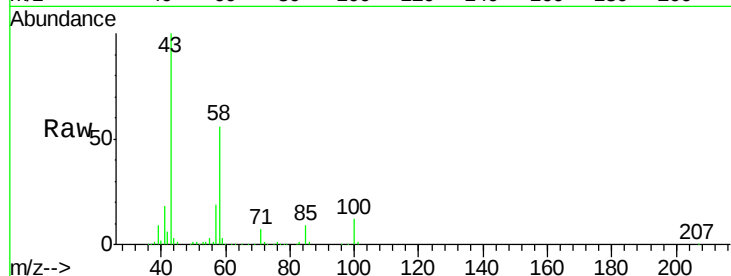
#59
2-Hexanone
Concen: 100.125 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.3	67.9
57	19.0	15.6	23.4

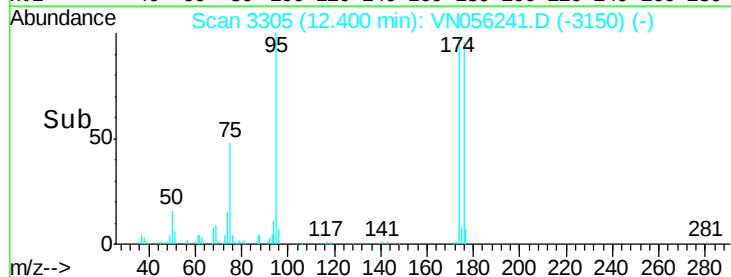
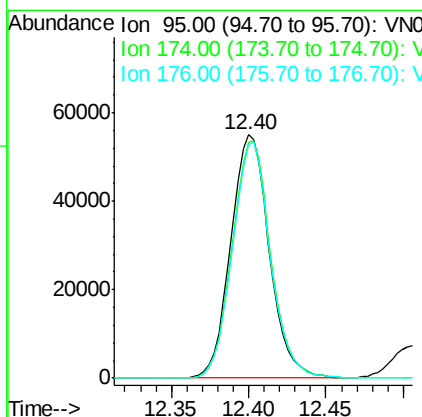
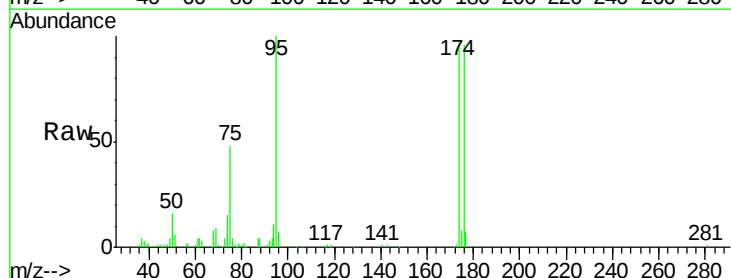
Manual Integrations
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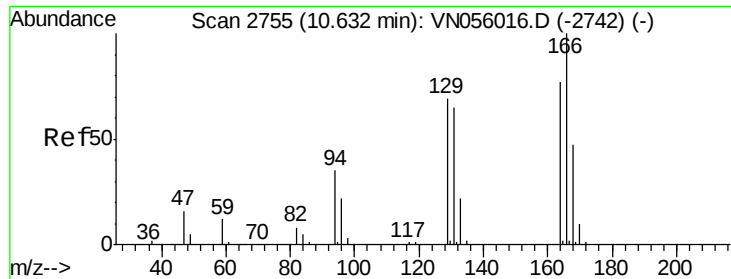
MMDadoda
6/13/2019 9:42:20 AM



#60
4-Bromofluorobenzene
Concen: 29.458 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	75.4	113.0
176	95.2	73.9	110.9





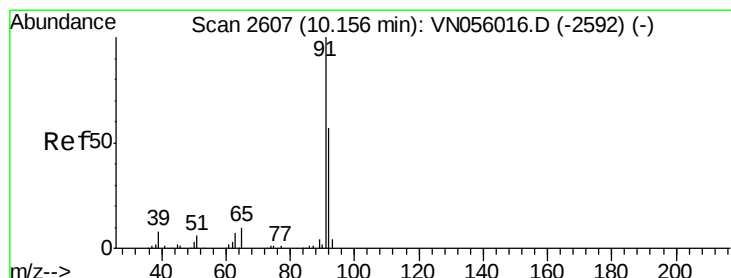
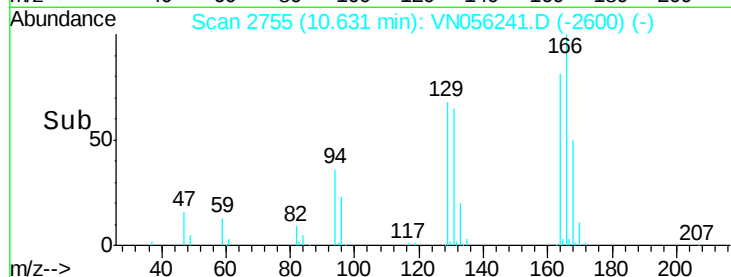
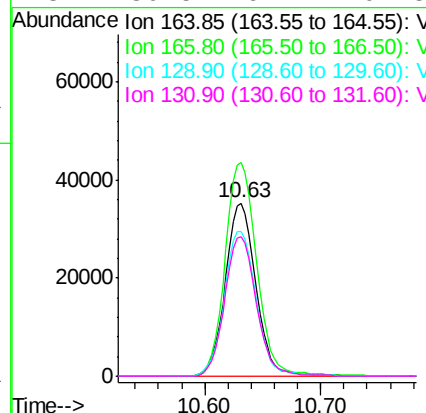
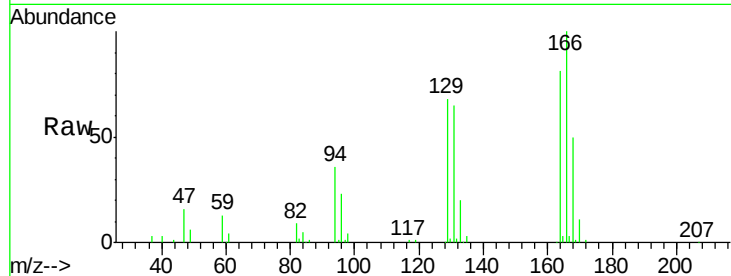
#61
Tetrachloroethene
Concen: 21.169 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.3	104.3	156.5
129	83.8	71.5	107.3
131	80.5	67.7	101.5

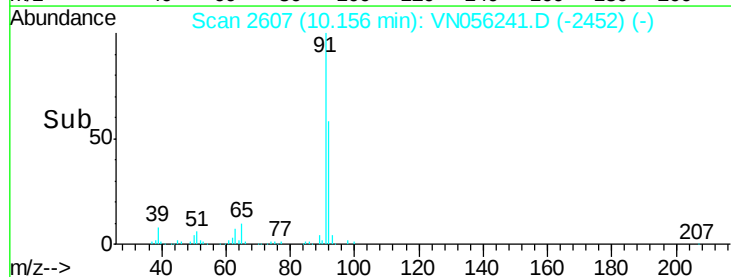
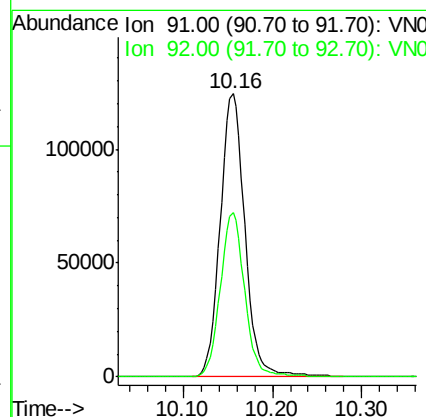
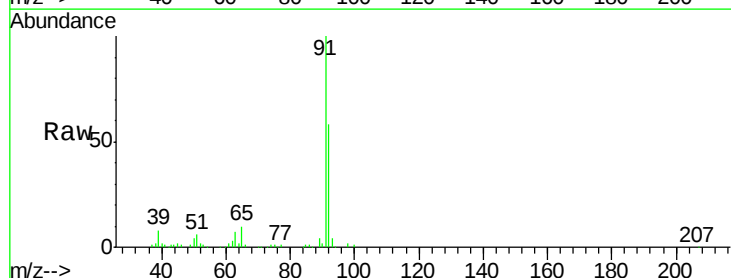
Manual Integrations
APPROVED

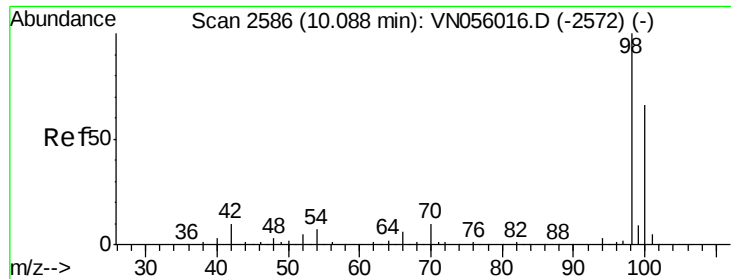
MMDadoda
6/13/2019 9:42:20 AM



#62
Toluene
Concen: 20.340 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.5	68.3





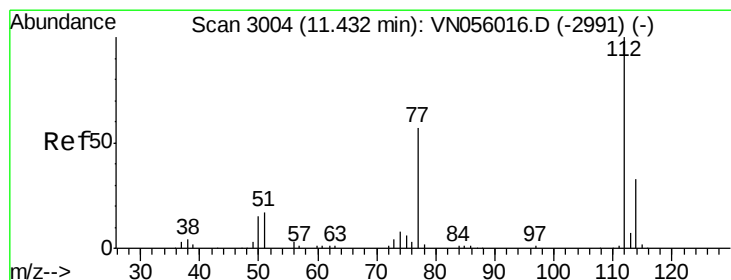
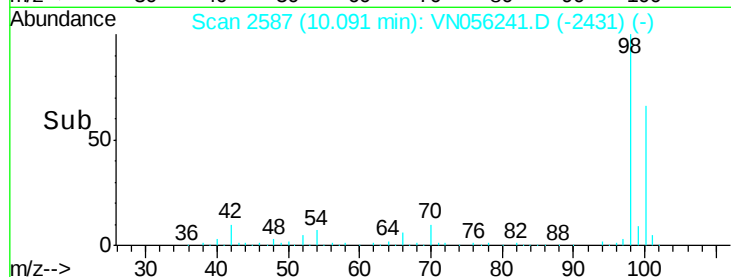
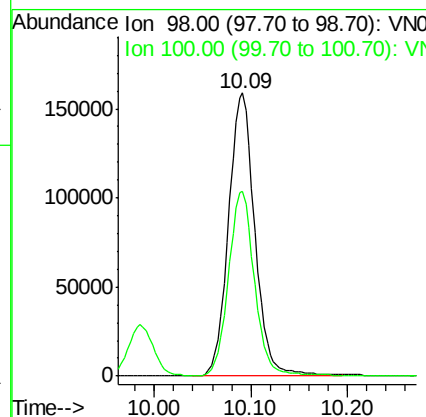
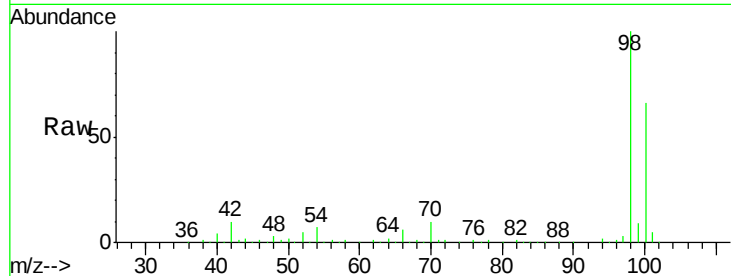
#63
Toluene-d8
Concen: 30.441 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion: 98 Resp: 300771
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.4

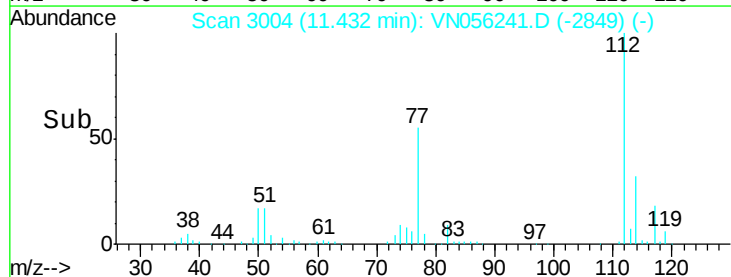
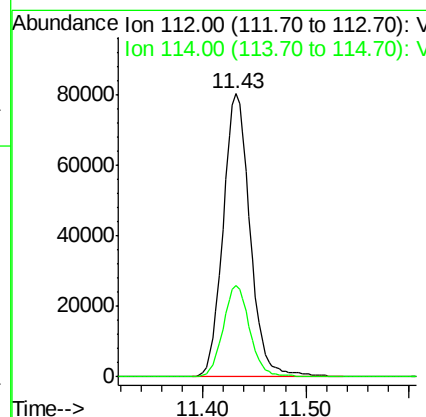
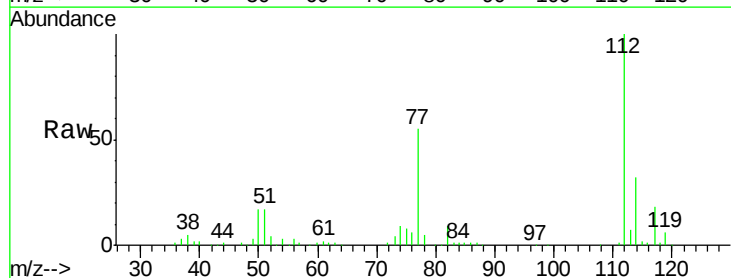
Manual Integrations
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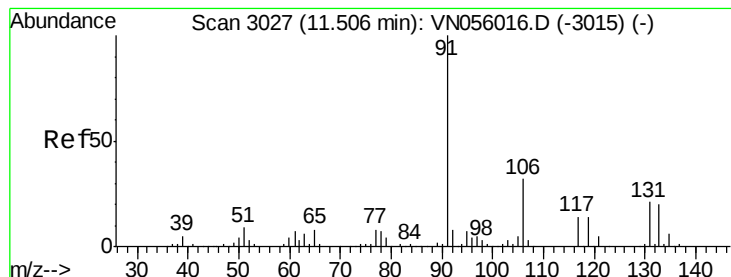
MMDadoda
6/13/2019 9:42:20 AM



#64
Chlorobenzene
Concen: 20.481 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion: 112 Resp: 146070
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 21.381 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion:131 Resp: 54986

Ion Ratio Lower Upper

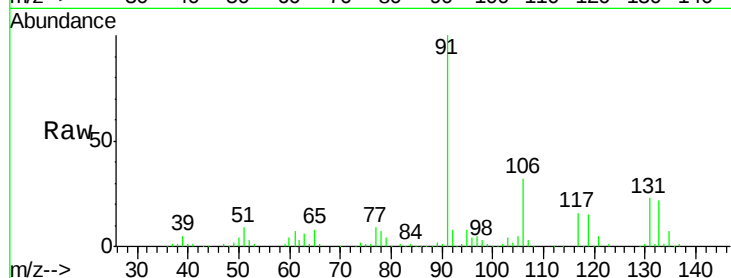
131 100

133 95.0 0.0 193.8

119 66.6 0.0 134.4

Manual Integrations
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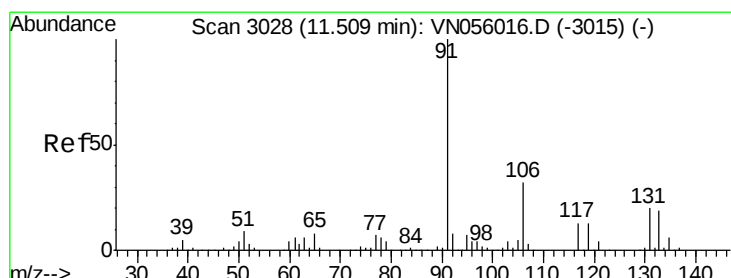
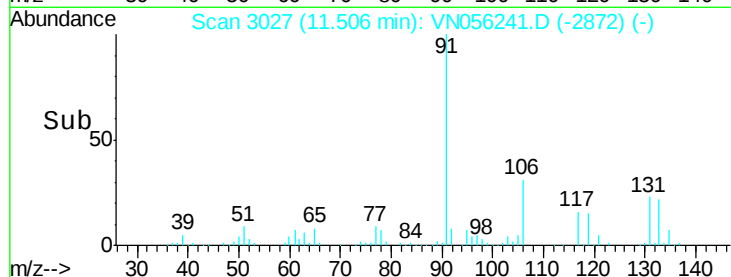
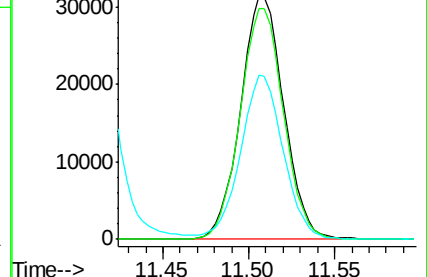
MMDadoda
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.926 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056241.D

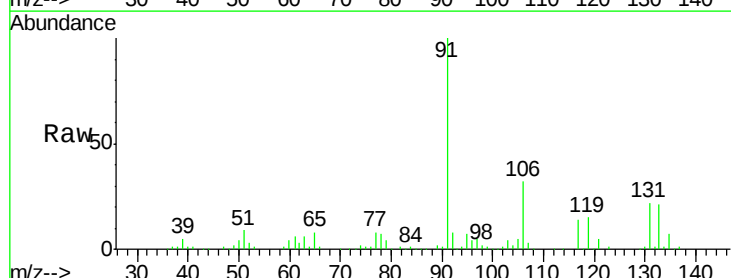
Acq: 12 Jun 2019 11:37

Tgt Ion: 91 Resp: 249542

Ion Ratio Lower Upper

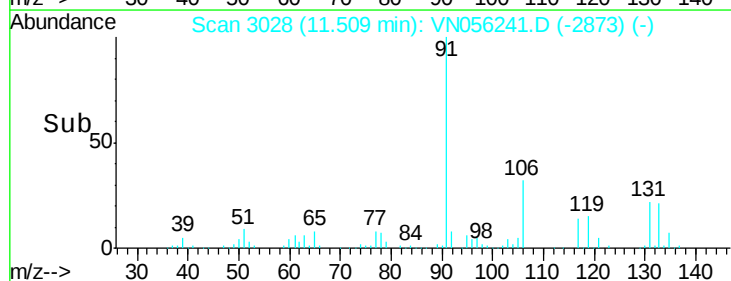
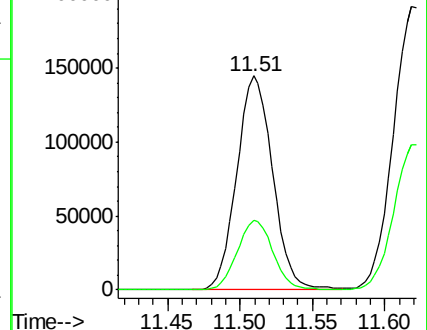
91 100

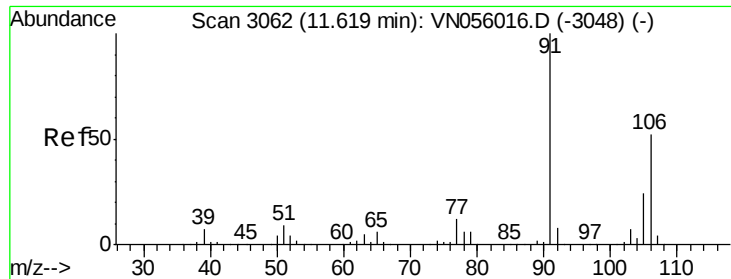
106 32.4 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





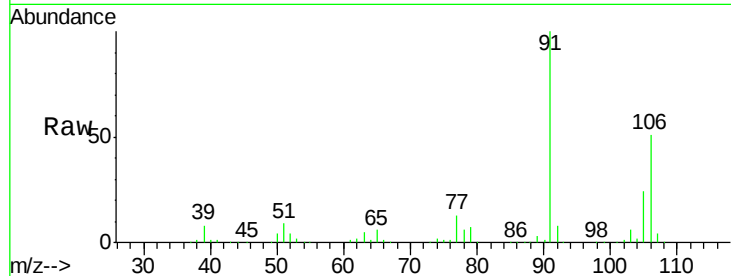
#67
m/p-Xylenes
Concen: 40.229 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

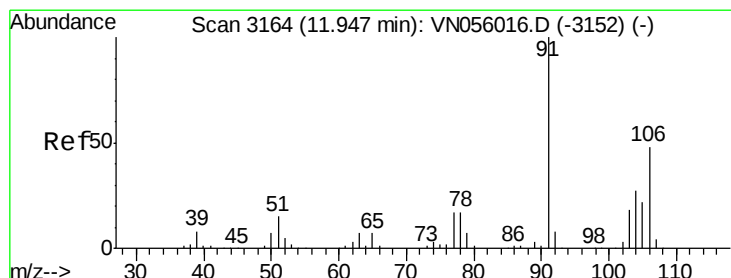
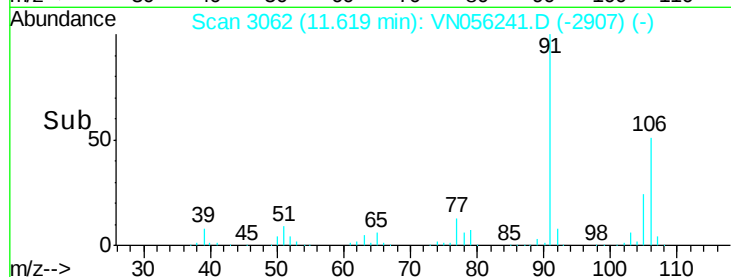
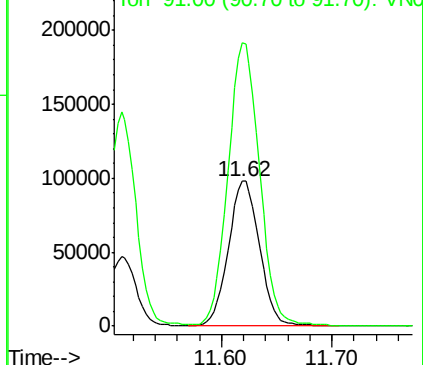
Tot Ion:106 Resp: 192838
Ion Ratio Lower Upper
106 100
91 196.7 155.7 233.5

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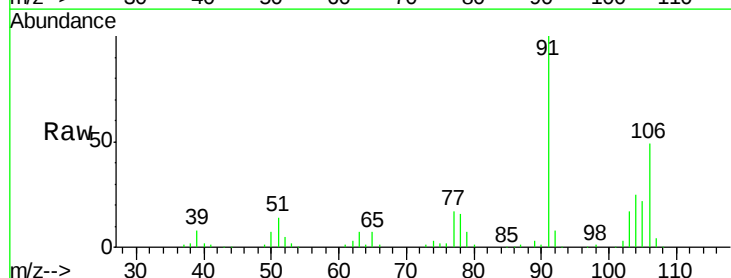


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

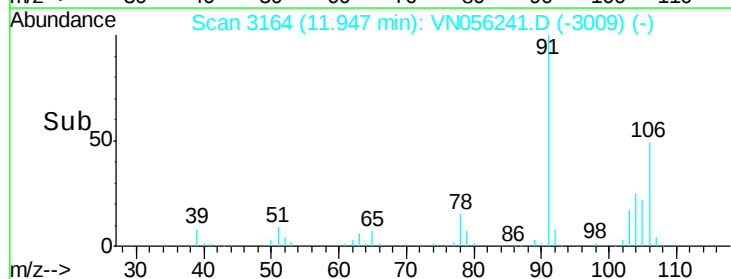
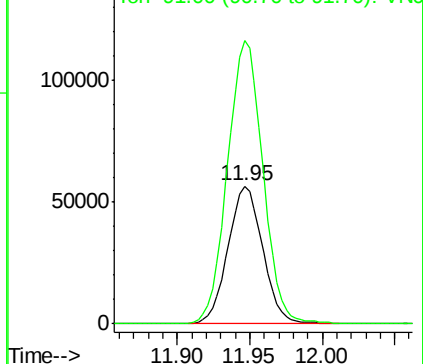


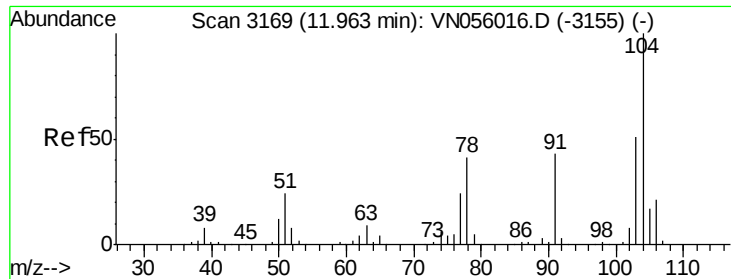
#68
o-Xylene
Concen: 20.188 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion:106 Resp: 94738
Ion Ratio Lower Upper
106 100
91 209.0 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





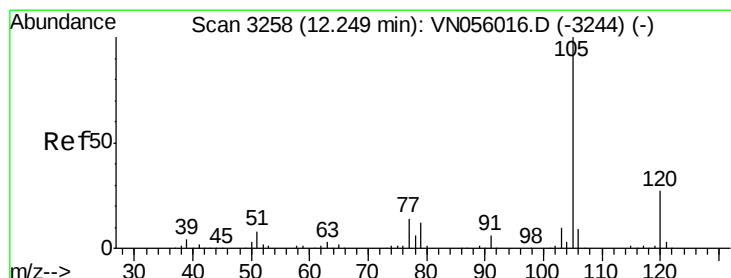
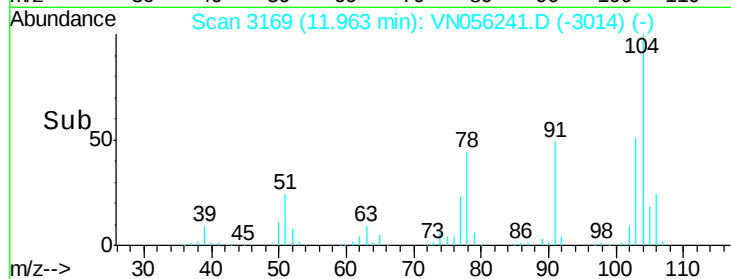
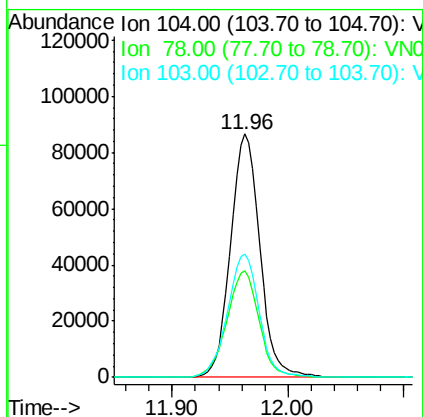
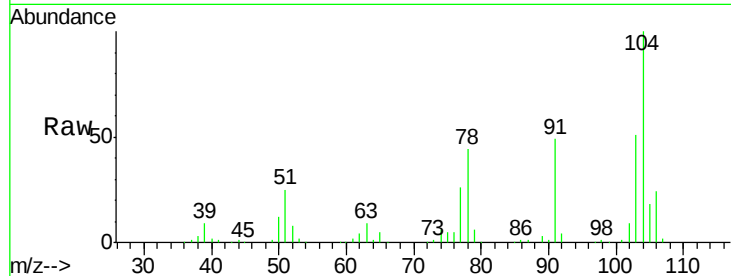
#69
Stvrene
Concen: 19.780 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	37.0	55.6
103	54.8	44.4	66.6

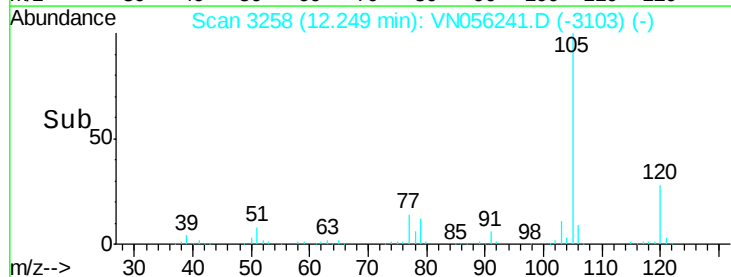
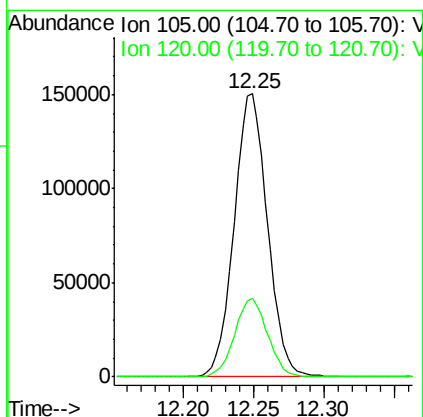
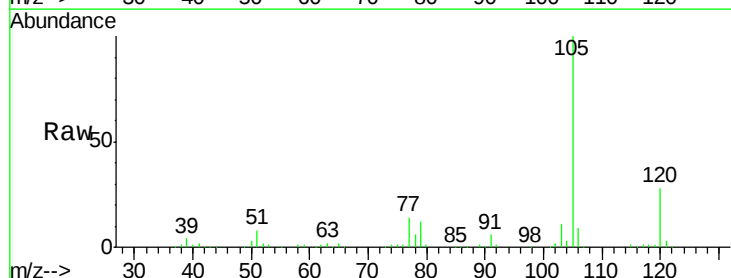
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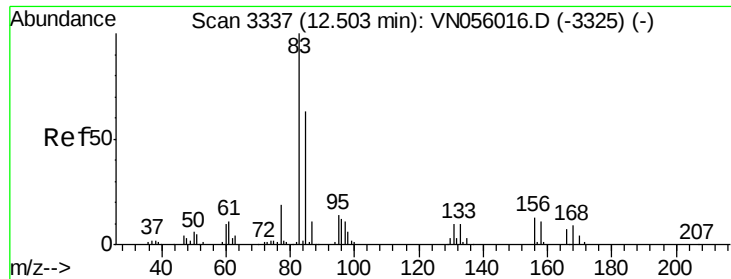
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#70
Isopropylbenzene
Concen: 20.333 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.3	35.8





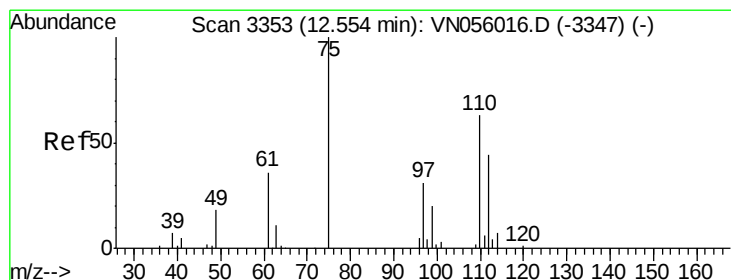
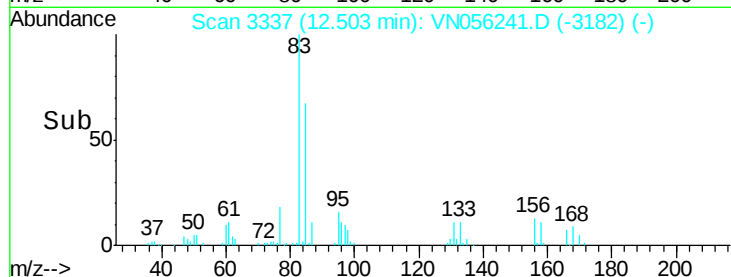
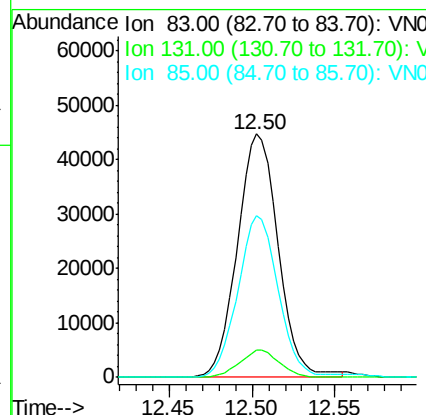
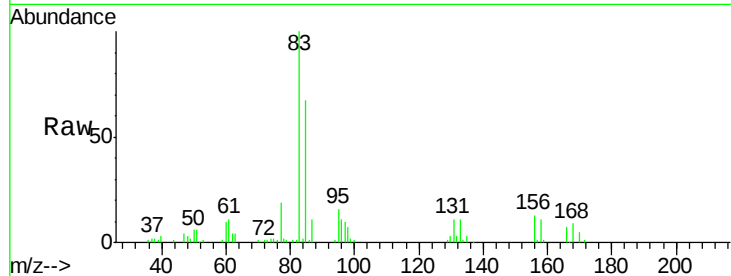
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.750 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion	83	Resp	76706
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	65.2	31.6	94.7

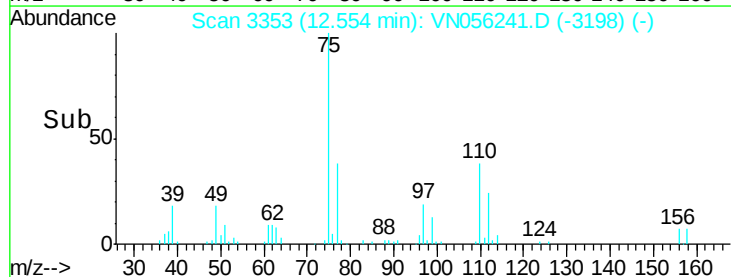
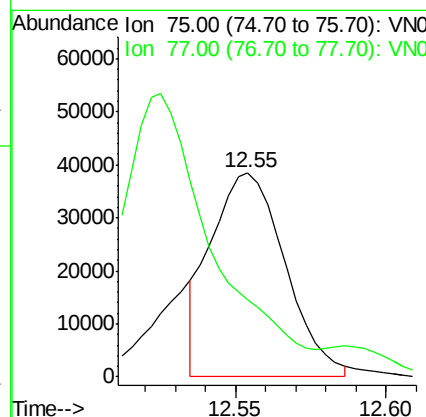
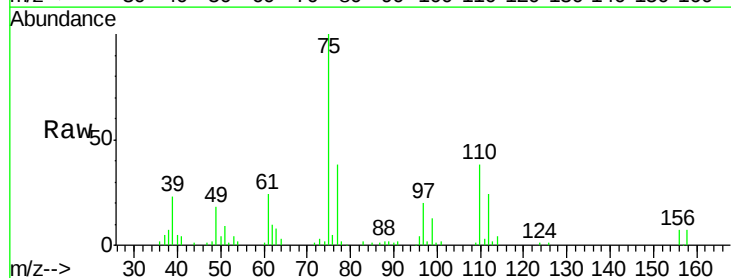
Manual Integrations
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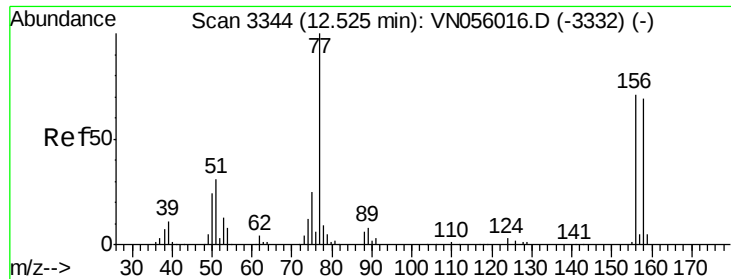
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#72
 1,2,3-Trichloropropane
 Concen: 20.551 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	75	Resp	65768
Ion Ratio	100	Lower	Upper
75	100		
77	173.3	0.0	350.0





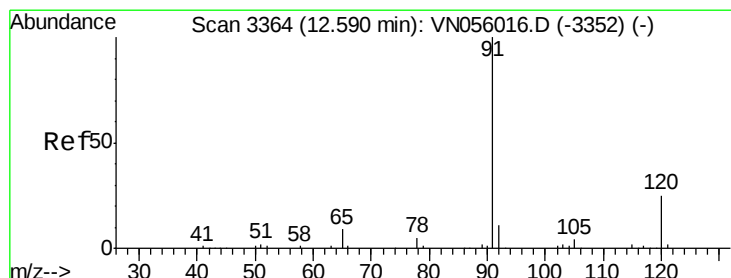
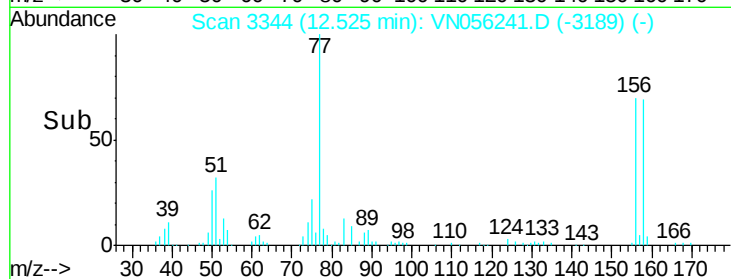
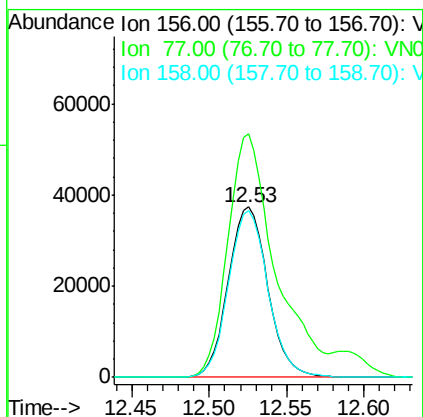
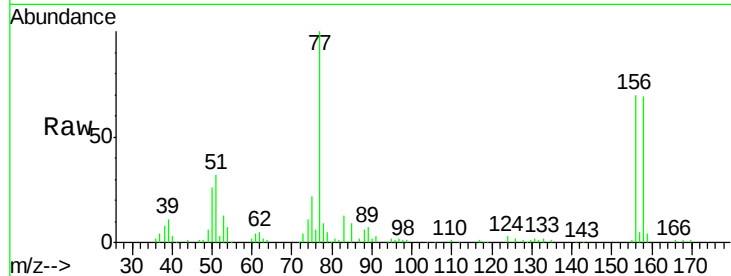
#73
Bromobenzene
Concen: 20.444 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.3	0.0	350.8
158	97.7	0.0	193.2

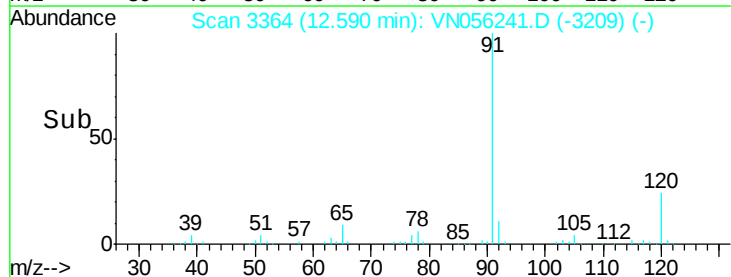
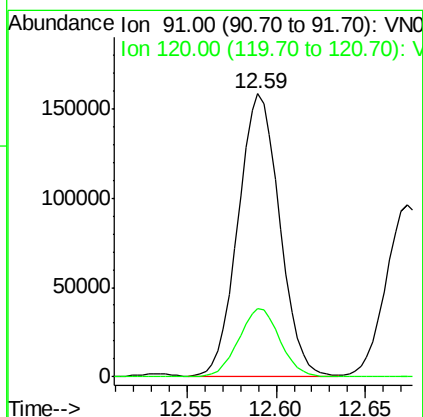
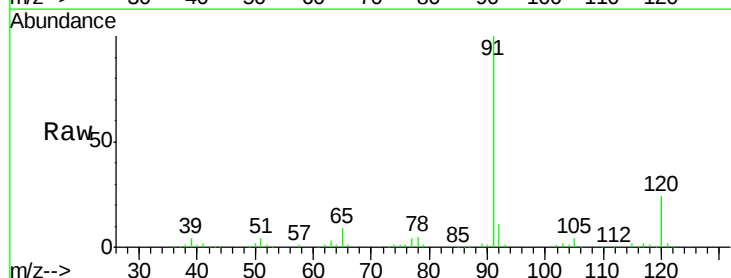
Manual Integrations
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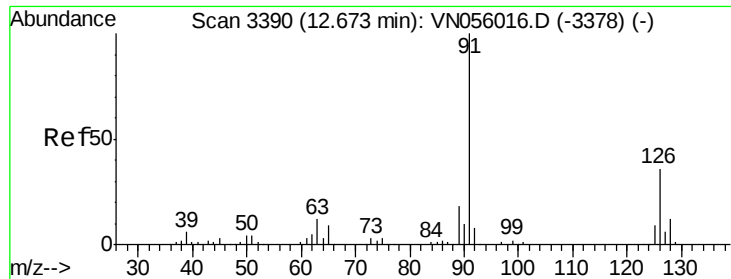
MMDadoda
6/13/2019 9:42:20 AM



#74
n-propylbenzene
Concen: 19.892 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.448 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion: 91 Resp: 164113

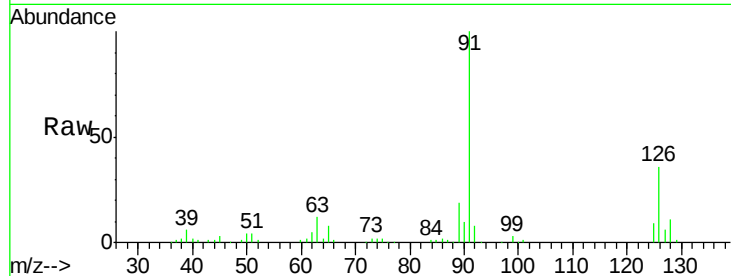
Ion Ratio Lower Upper

91 100

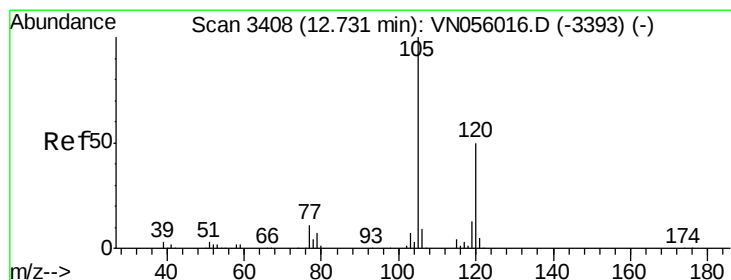
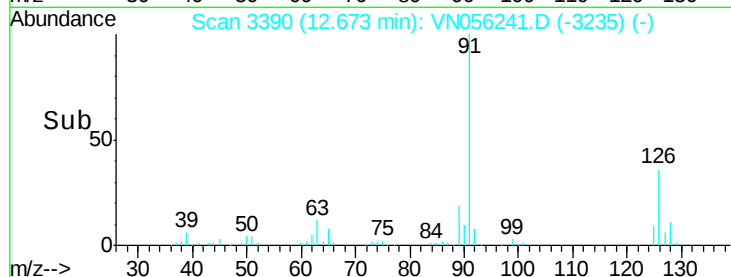
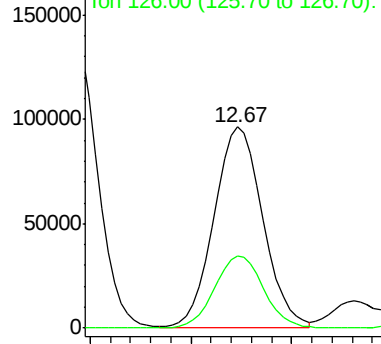
126 35.9 0.0 72.4

Manual Integrations
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MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.272 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056241.D

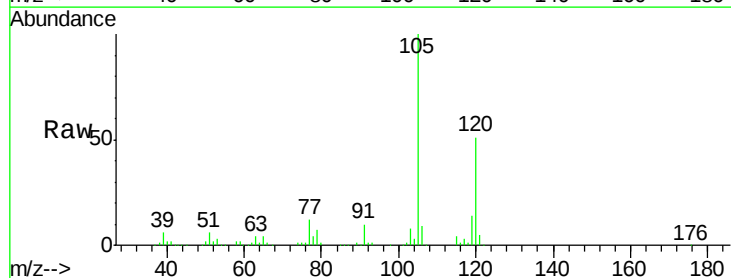
Acq: 12 Jun 2019 11:37

Tgt Ion: 105 Resp: 204459

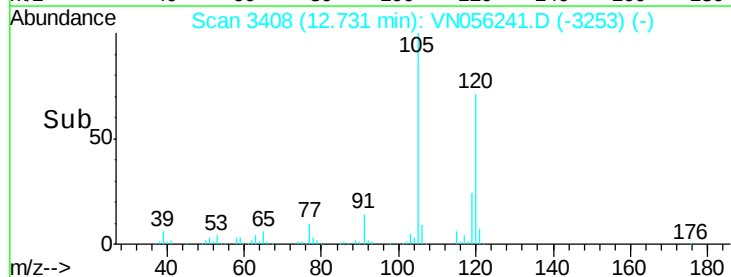
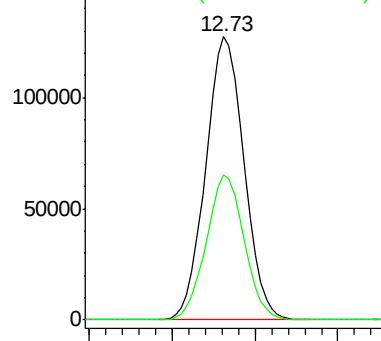
Ion Ratio Lower Upper

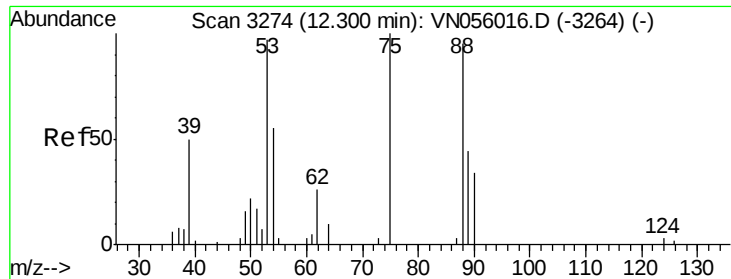
105 100

120 50.7 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.276 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBSD01

Tot Ion: 75 Resp: 15775

Ion Ratio Lower Upper

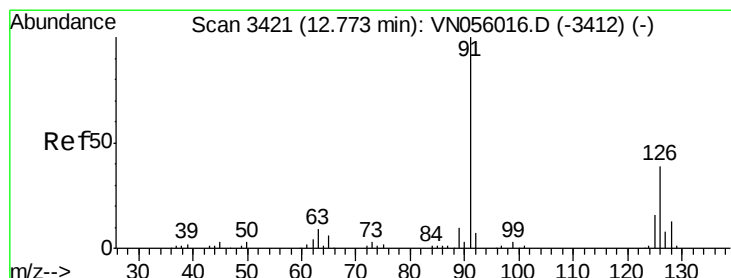
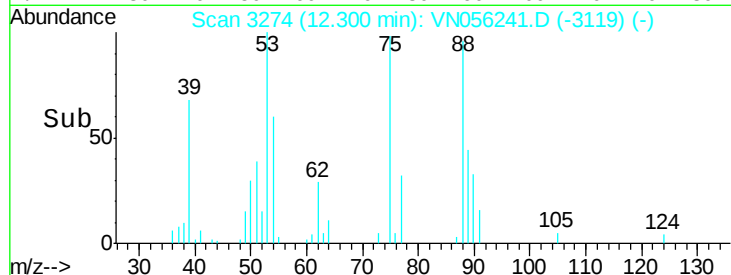
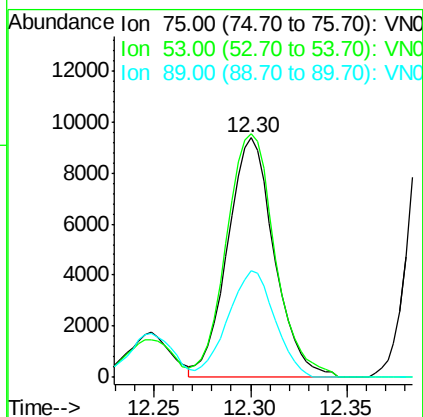
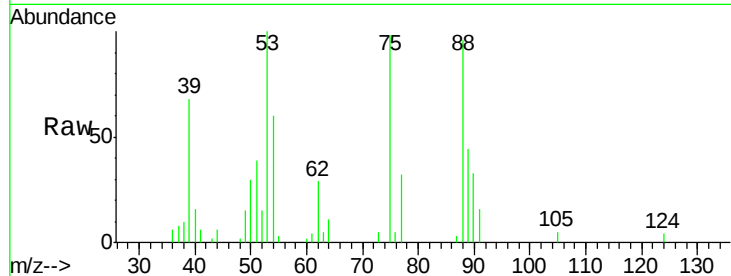
75 100

53 101.6 48.0 144.0

89 44.3 22.5 67.5

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:20 AM



#78

4-Chlorotoluene

Concen: 19.484 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056241.D

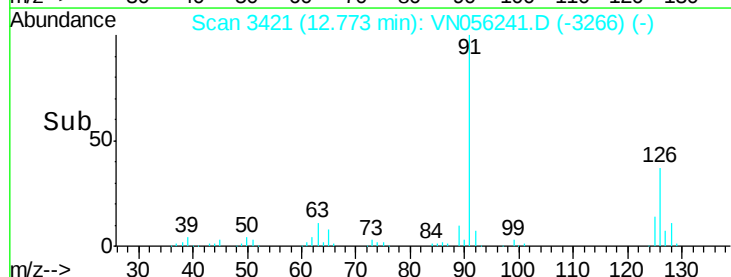
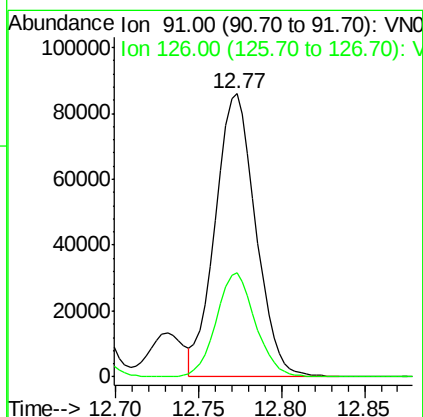
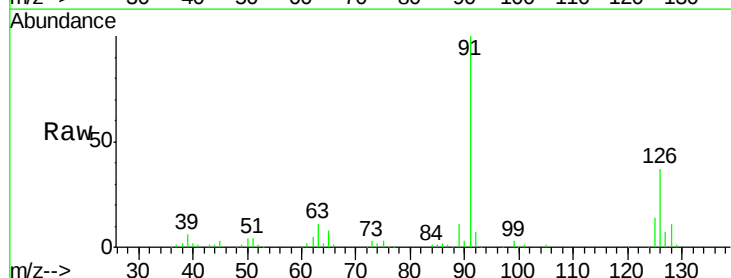
Acq: 12 Jun 2019 11:37

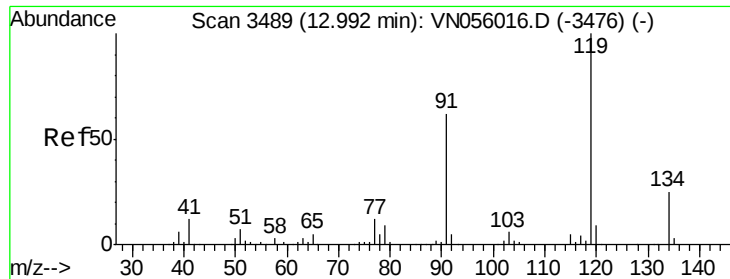
Tgt Ion: 91 Resp: 146042

Ion Ratio Lower Upper

91 100

126 35.6 0.0 71.8





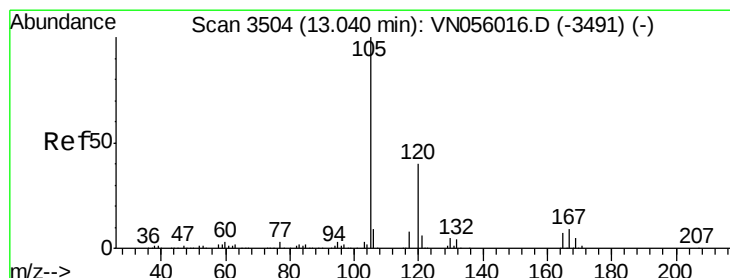
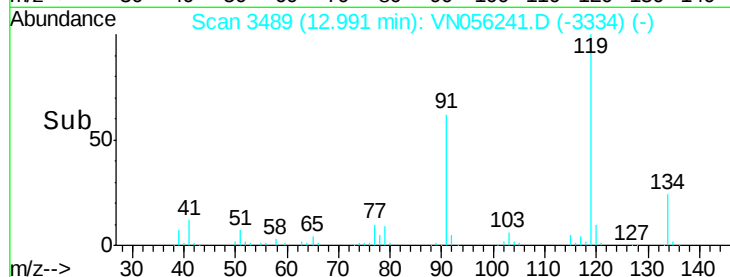
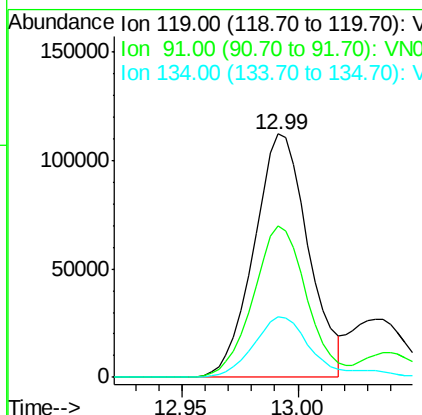
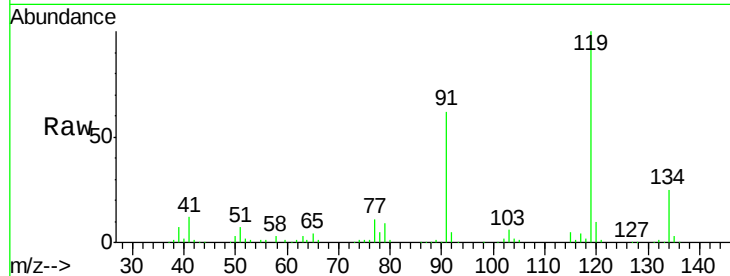
#79
tert-butylbenzene
Concen: 20.533 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	183472		
91	61.0	0.0	122.8	
134	25.5	0.0	50.2	

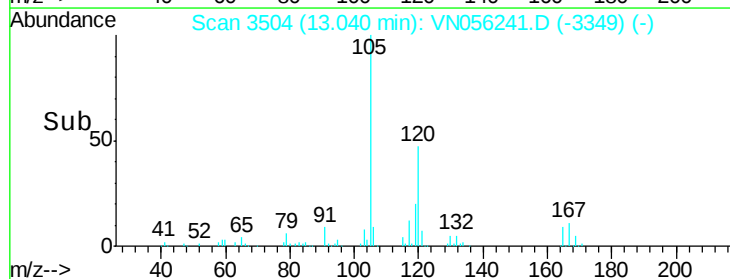
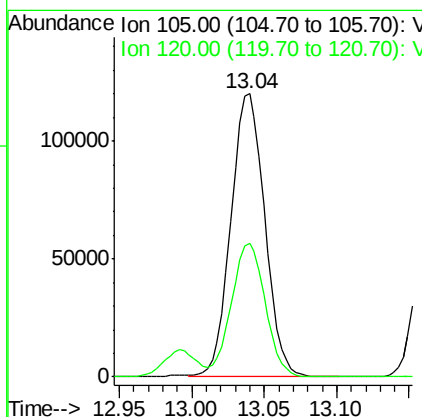
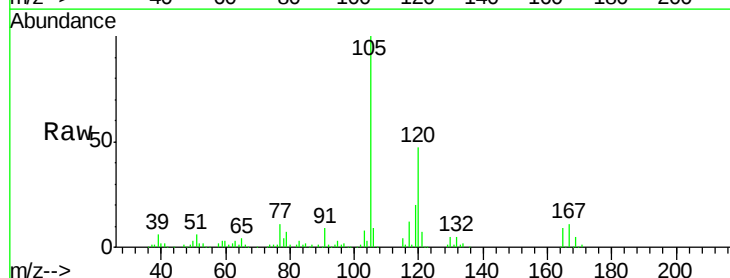
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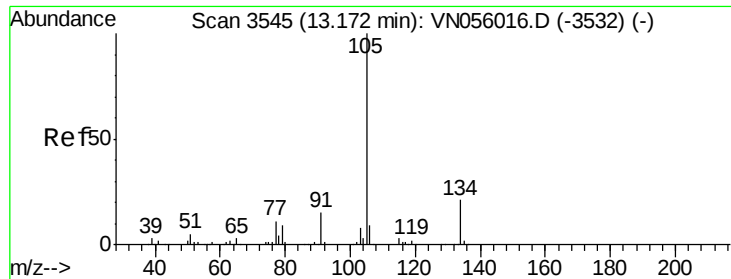
MMDadoda
6/13/2019 9:42:20 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.886 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195101		
120	47.2	0.0	93.4	





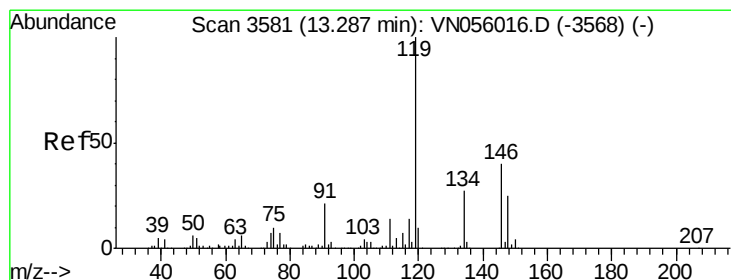
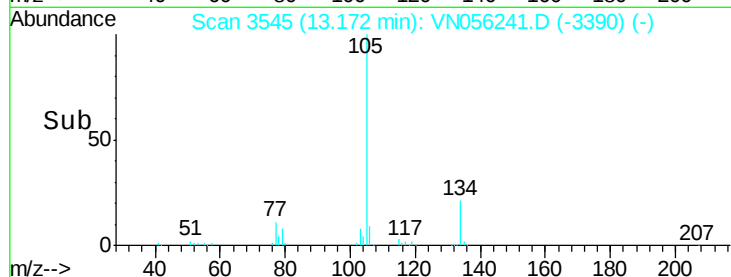
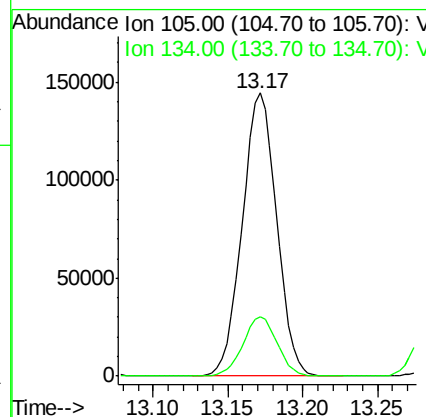
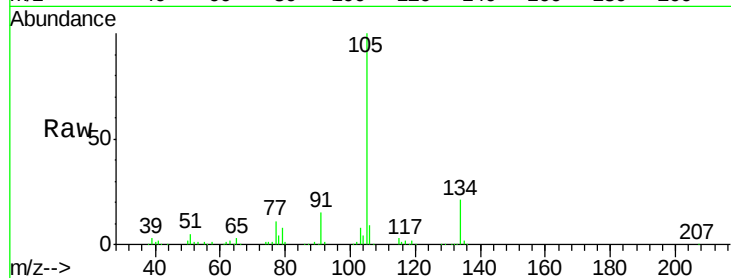
#81
 sec-Butylbenzene
 Concen: 20.476 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	231453		
134	20.9	0.0	41.8	

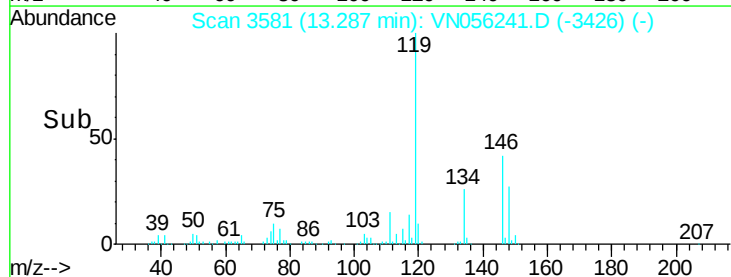
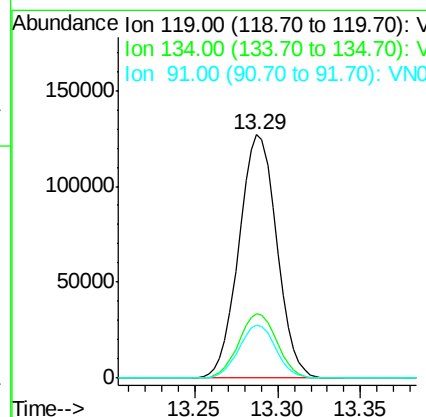
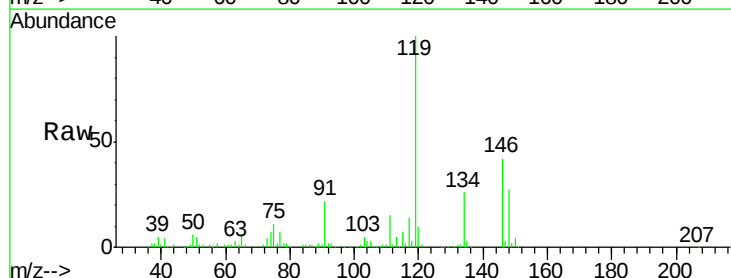
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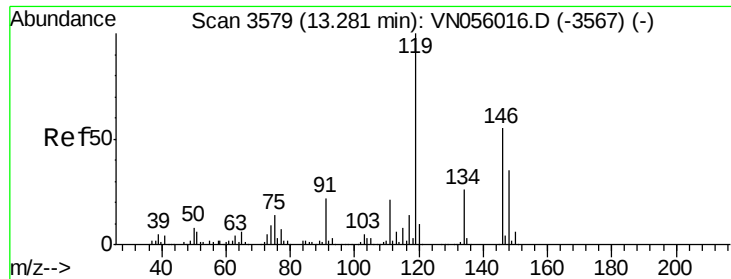
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 19.767 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	202016		
134	26.7	0.0	53.4	
91	21.2	0.0	43.0	





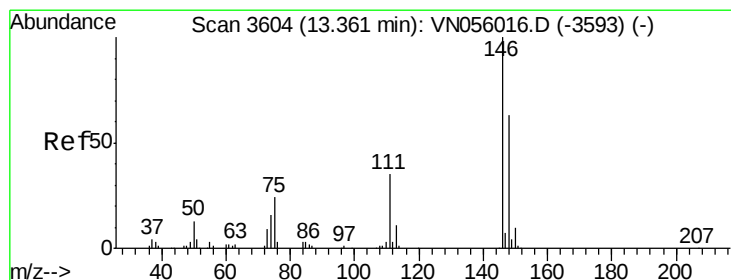
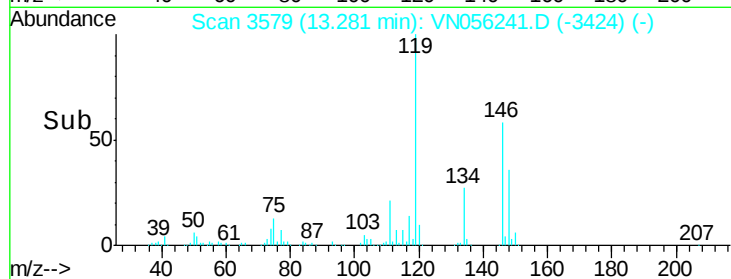
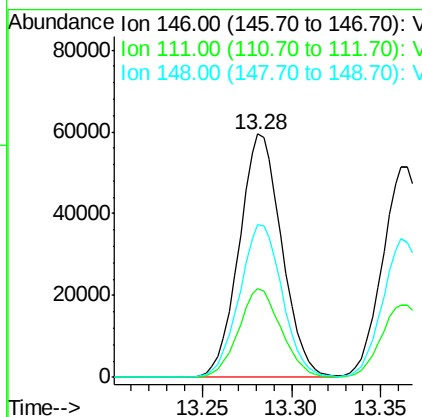
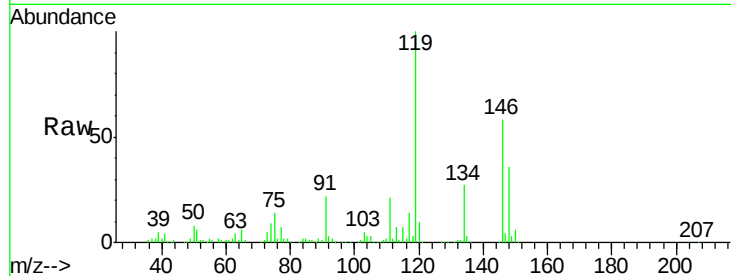
#83
 1,3-Dichlorobenzene
 Concen: 19.593 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	63.1	31.9	95.9

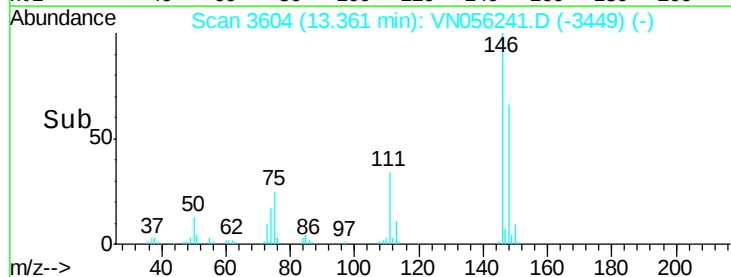
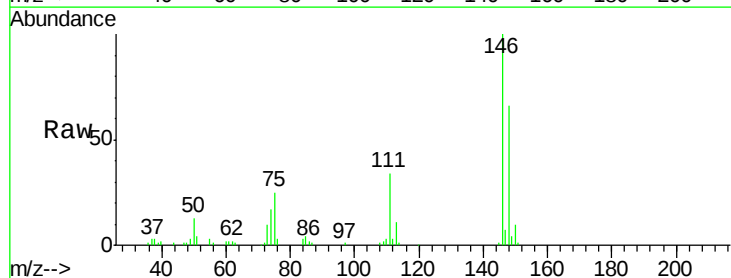
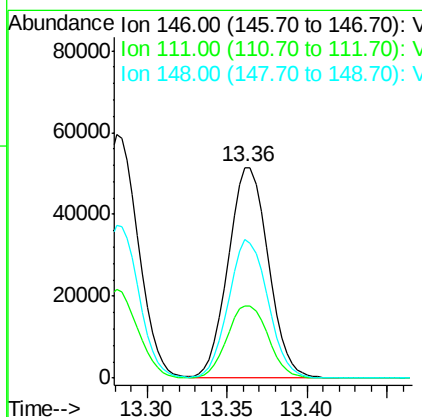
Manual Integrations
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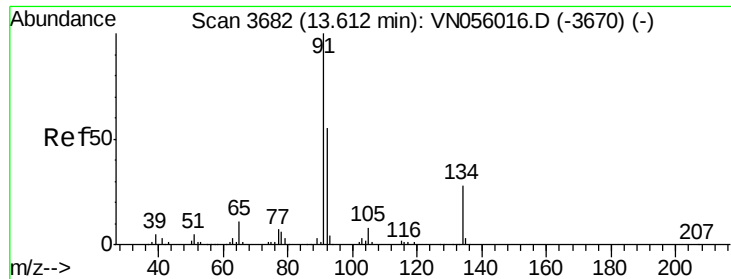
MMDadoda
 6/13/2019 9:42:20 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.314 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056241.D
 Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.6	52.9
148	63.7	32.1	96.3





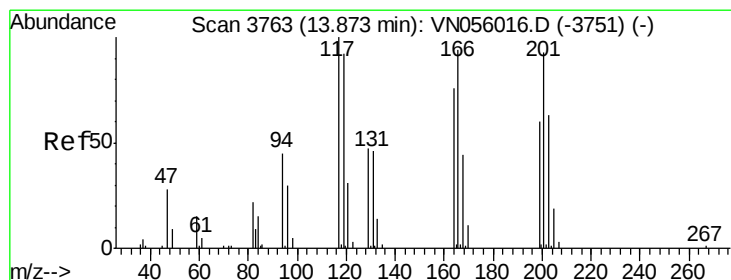
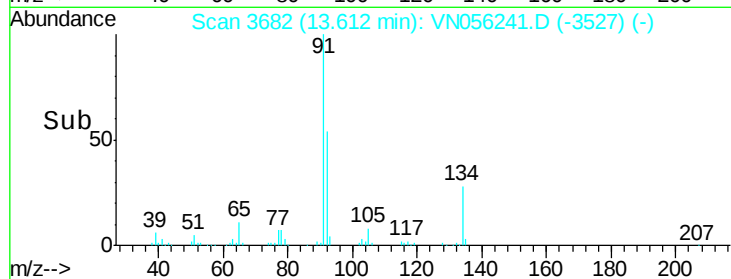
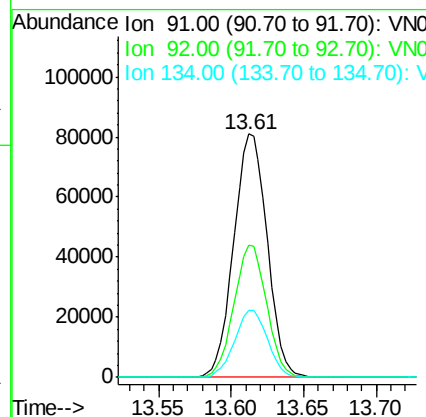
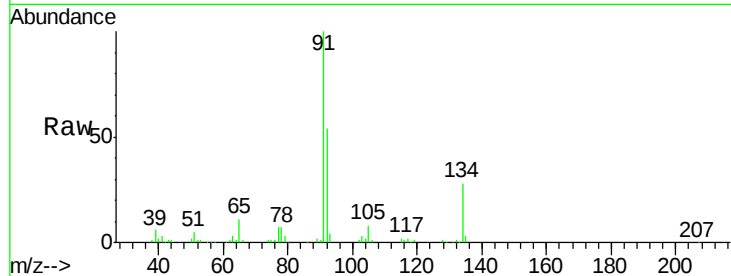
#85
n-Butylbenzene
Concen: 16.993 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	129614		
92	52.7	0.0	107.2	
134	27.2	0.0	55.8	

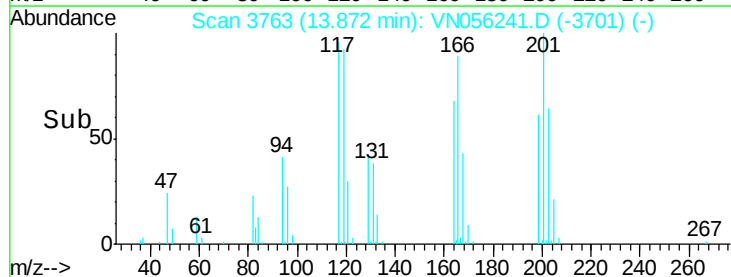
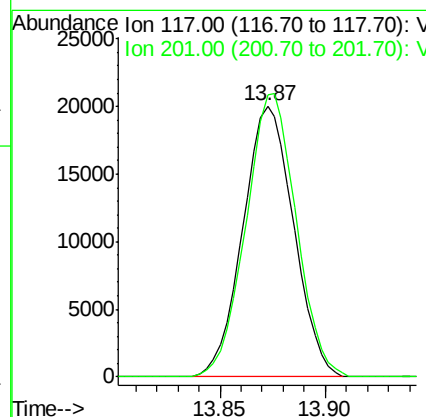
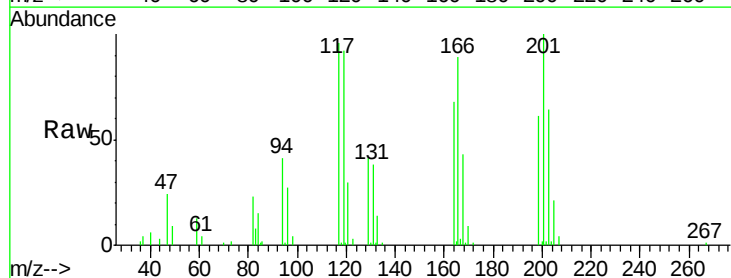
Manual Integrations
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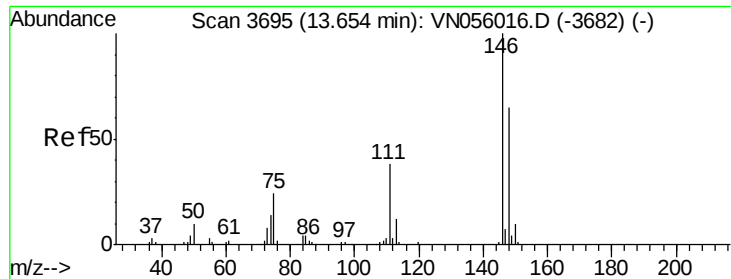
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#86
Hexachloroethane
Concen: 21.050 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33538		
201	103.6	48.1	144.4	





#87

1,2-Dichlorobenzene

Concen: 19.634 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Instrument :

MSVOA_N

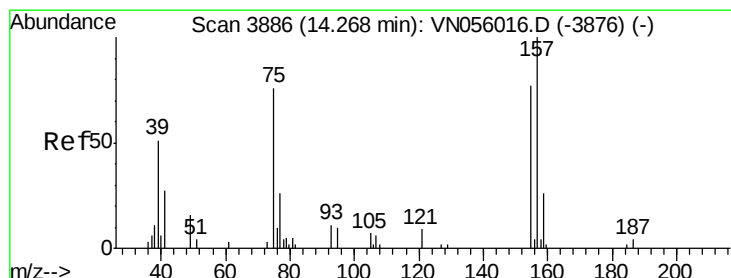
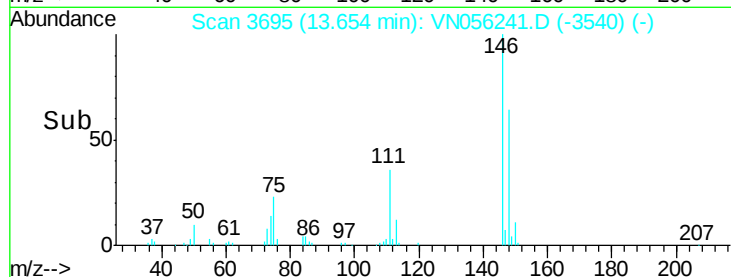
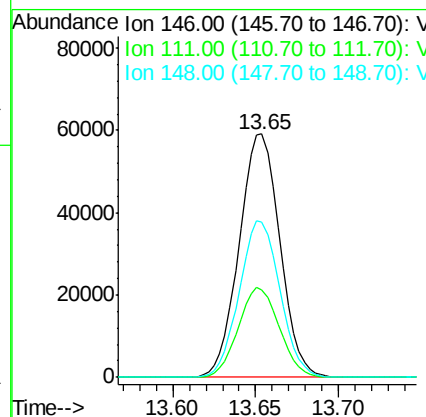
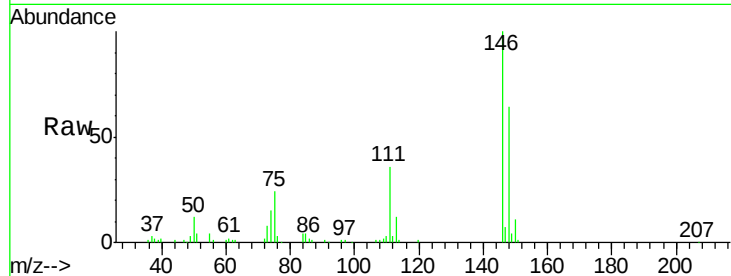
ClientSampleId :

VN0612WBSD01

Tot Ion:	146	Resp:	101223
Ion Ratio	Lower	Upper	
146	100		
111	37.1	19.3	57.9
148	64.2	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.786 ug/l

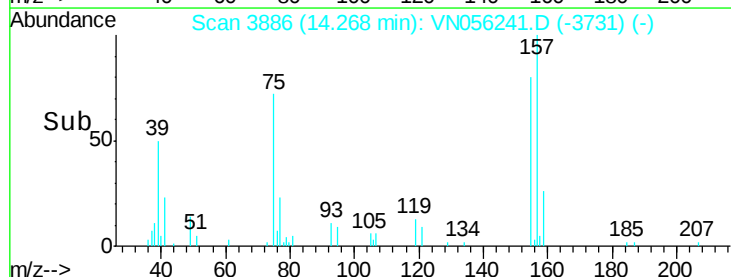
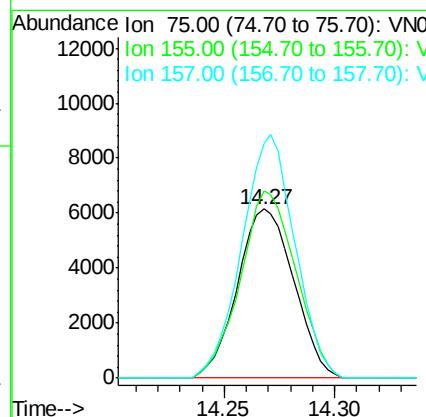
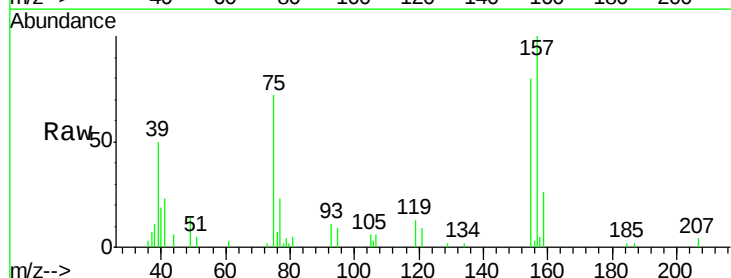
RT: 14.27 min Scan# 3886

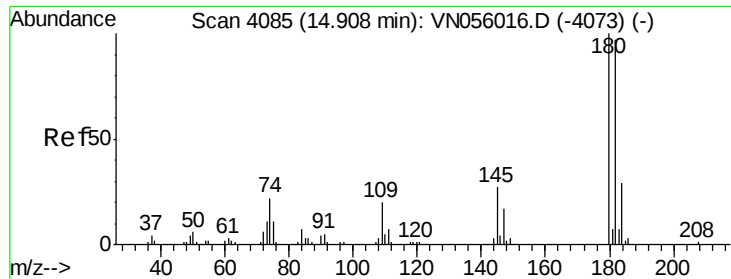
Delta R.T. -0.00 min

Lab File: VN056241.D

Acq: 12 Jun 2019 11:37

Tgt Ion:	75	Resp:	10901
Ion Ratio	Lower	Upper	
75	100		
155	109.0	82.5	123.7
157	134.8	105.1	157.7





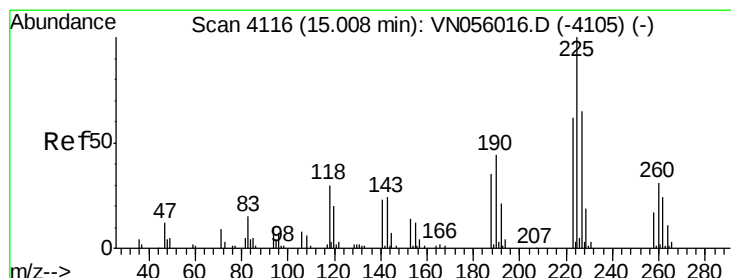
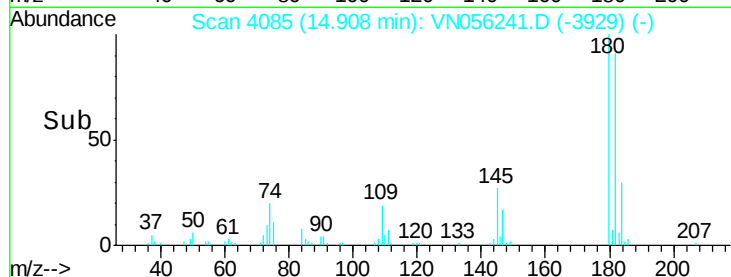
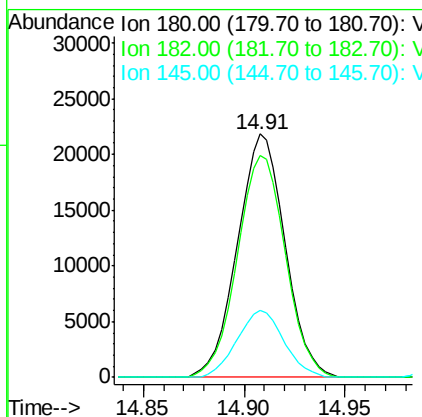
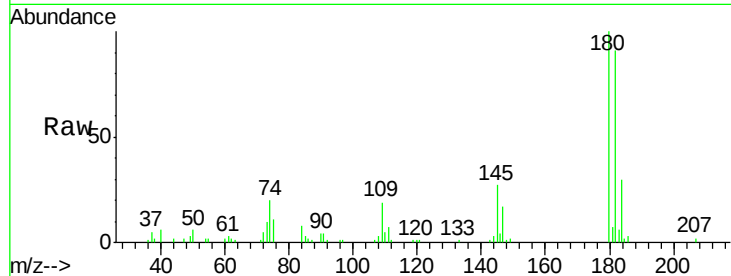
#89
1,2,4-Trichlorobenzene
Concen: 18.533 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	75.0	112.6
145	27.0	22.1	33.1

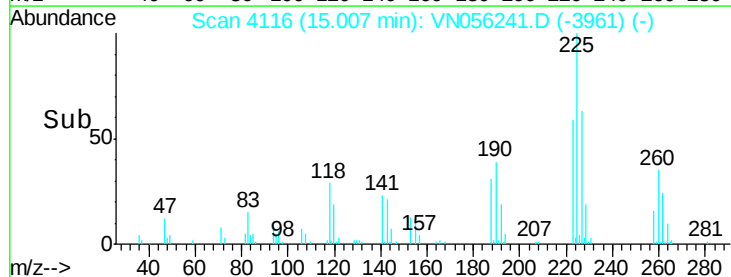
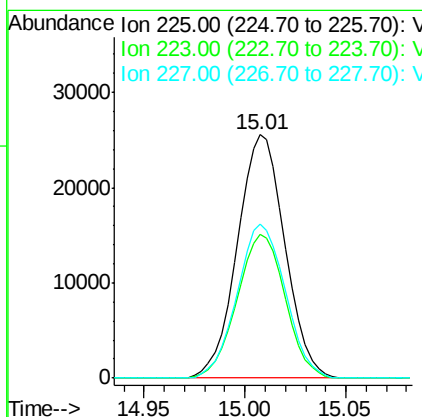
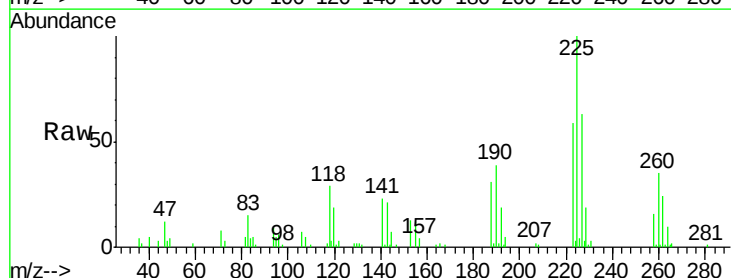
Manual Integrations
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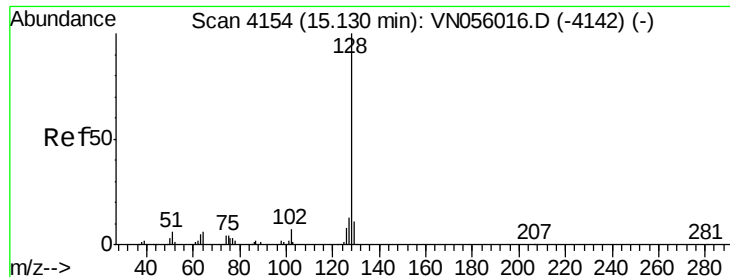
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#90
Hexachlorobutadiene
Concen: 22.397 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	0.0	125.6
227	64.0	0.0	128.6





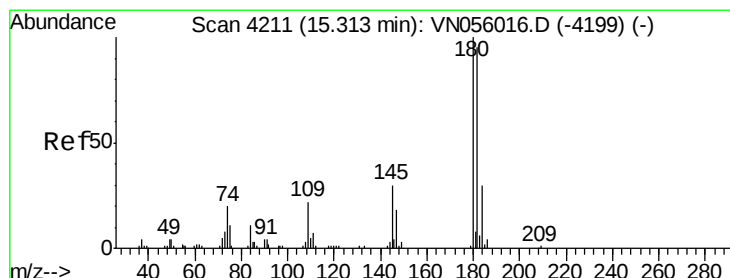
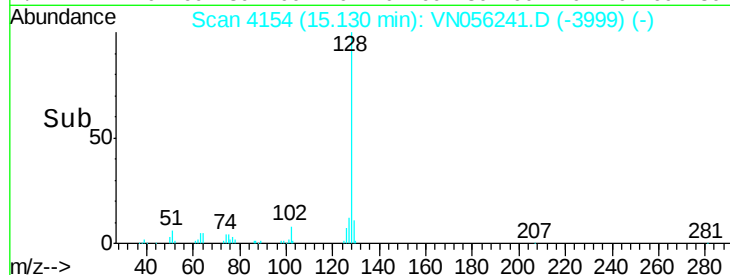
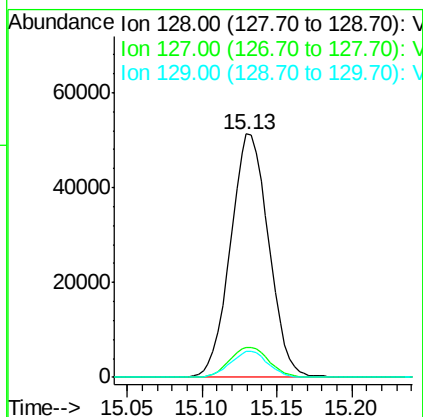
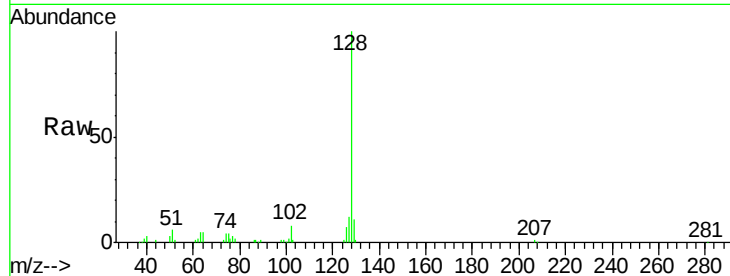
#91
Naphthalene
Concen: 13.326 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 15.877 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056241.D
Acq: 12 Jun 2019 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	193.4
145	28.0	0.0	59.8

