

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058563.D
 Acq On : 7 Oct 2019 13:40
 Operator : JC/SP
 Sample : VN1007WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1007WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:24 AM

Quant Time: Oct 08 14:57:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	70295	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	415939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	378226	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	191081	30.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.50%
60) 4-Bromofluorobenzene	12.41	95	192315	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	10.08	98	531604	29.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	87993	20.816	ug/l 96
3) Chloromethane	2.04	50	117561	24.085	ug/l 100
4) Vinyl Chloride	2.17	62	105757	21.714	ug/l 97
5) Bromomethane	2.54	94	54686	20.678	ug/l 99
6) Chloroethane	2.68	64	66579	23.131	ug/l 97
7) Trichlorofluoromethane	3.00	101	130838	22.815	ug/l 97
8) Diethyl Ether	3.39	74	51314	20.128	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82647	20.936	ug/l 98
10) 1,1-Dichloroethene	3.71	96	77531	20.091	ug/l 98
11) Methyl Iodide	3.93	142	68987	17.436	ug/l 98
12) Methyl Acetate	4.30	43	108156	21.043	ug/l 99
13) Acrolein	3.59	56	33153	226.842	ug/l 98
14) Acrylonitrile	4.96	53	213215	100.469	ug/l 99
15) Acetone	3.80	58	59384	100.919	ug/l 97
16) Carbon Disulfide	4.03	76	217839	20.313	ug/l 98
17) Allyl chloride	4.30	41	155375	21.556	ug/l 97
18) Methylene Chloride	4.53	84	97819	21.488	ug/l 94
19) trans-1,2-Dichloroethene	5.01	96	87728	20.278	ug/l 95
20) Diisopropyl ether	5.93	45	319076	20.774	ug/l 99
21) 1,1-Dichloroethane	5.83	63	181655	21.136	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	104678	20.831	ug/l 100
23) tert-Butyl Alcohol	4.76	59	77492	98.914	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	293778	21.209	ug/l 97
25) Chloroform	7.36	83	182644	20.987	ug/l 99
26) Cyclohexane	7.64	56	154065	19.179	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	133648	19.685	ug/l 99
30) 2-Butanone	6.81	43	294210	95.435	ug/l 99
31) 2,2-Dichloropropane	6.81	77	161033	23.038	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	156819	21.414	ug/l 99
33) Carbon Tetrachloride	7.76	117	132400	21.280	ug/l 96
34) Benzene	8.03	78	390843	20.293	ug/l 98
35) Methacrylonitrile	7.16	41	57006m	21.499	ug/l
36) 1,2-Dichloroethane	8.11	62	154513	20.479	ug/l 100
37) Trichloroethene	8.82	130	98168	20.359	ug/l 97
38) Methylcyclohexane	9.07	83	149971	18.267	ug/l 99
39) 1,2-Dichloropropane	9.11	63	109274	20.800	ug/l 99
40) Dibromomethane	9.20	93	67071	20.228	ug/l 98

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Instrument :
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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	137210	20.936	ug/l	100
42) Vinyl Acetate	5.87	43	1311422	111.413	ug/l	100
43) Ethyl Acetate	6.91	43	125096	20.437	ug/l	98
44) Isopropyl Acetate	8.15	43	219110	19.997	ug/l	99
45) 1,4-Dioxane	9.19	88	30461	329.529	ug/l	93
46) Methyl methacrylate	9.19	41	97051	18.689	ug/l	93
47) n-amyl Acetate	12.07	43	187639	19.674	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154756	21.610	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	167435	20.999	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	95882	20.691	ug/l	97
51) Ethyl methacrylate	10.43	69	138706	18.918	ug/l	97
52) 1,3-Dichloropropane	10.71	76	168267	20.445	ug/l	99
53) Dibromochloromethane	10.90	129	95086	20.425	ug/l	98
54) 1,2-Dibromoethane	11.00	107	95716	20.240	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	346957	111.759	ug/l	99
56) Bromoform	12.13	173	60691	20.668	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	618030	104.285	ug/l	99
59) 2-Hexanone	10.75	43	439967	98.201	ug/l	100
61) Tetrachloroethene	10.63	164	85548	21.589	ug/l	99
62) Toluene	10.15	91	421005	20.324	ug/l	99
64) Chlorobenzene	11.44	112	255471	20.069	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	93719	21.002	ug/l	99
66) Ethyl Benzene	11.51	91	470323	20.822	ug/l	100
67) m/p-Xylenes	11.62	106	341888	39.425	ug/l	99
68) o-Xylene	11.95	106	167531	19.868	ug/l	97
69) Styrene	11.97	104	266149	18.875	ug/l	98
70) Isopropylbenzene	12.25	105	455859	20.862	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	135787	19.552	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	140916m	23.593	ug/l	
73) Bromobenzene	12.53	156	105185	19.873	ug/l	98
74) n-propylbenzene	12.60	91	527357	20.934	ug/l	99
75) 2-Chlorotoluene	12.68	91	312216	19.813	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	381246	20.262	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36199	18.580	ug/l	91
78) 4-Chlorotoluene	12.78	91	318299	19.708	ug/l	100
79) tert-butylbenzene	13.00	119	322510	19.797	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	379899	20.228	ug/l	99
81) sec-Butylbenzene	13.18	105	432275	20.231	ug/l	100
82) p-Isopropyltoluene	13.30	119	384932	20.005	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	189540	19.410	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	185036	19.039	ug/l	99
85) n-Butylbenzene	13.62	91	341890	19.125	ug/l	99
86) Hexachloroethane	13.88	117	62270	20.036	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	186808	19.591	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	26494	19.546	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	107681	17.286	ug/l	99
90) Hexachlorobutadiene	15.02	225	49710	16.492	ug/l	99
91) Naphthalene	15.13	128	302281	17.670	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	100389	16.779	ug/l	99

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Instrument :
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ClientSampleId :
VN1007WBSD01

Manual Integrations
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QLast Update : Wed Sep 25 01:36:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

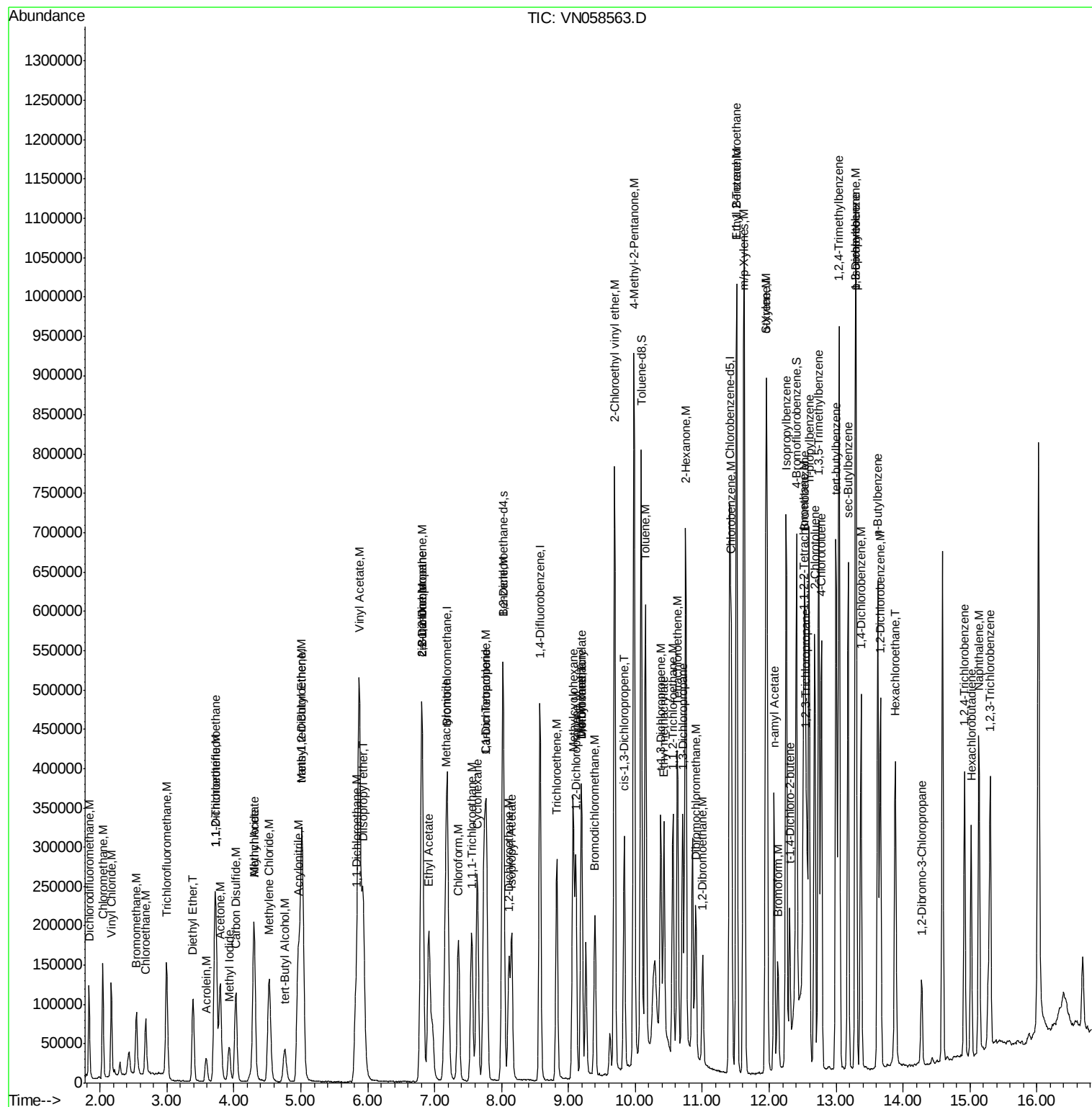
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Data File : VN058563.D
Acq On : 7 Oct 2019 13:40
Operator : JC/SP
Sample : VN1007WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

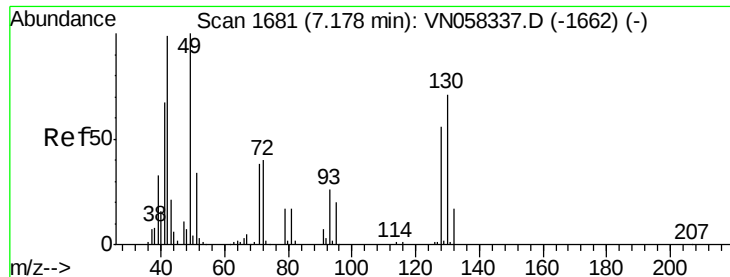
Instrument :
MSVOA_N
Client Sample Id :
VN1007WBSD01

Manual Integrations
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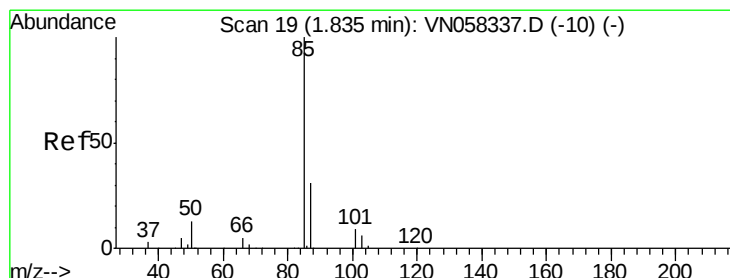
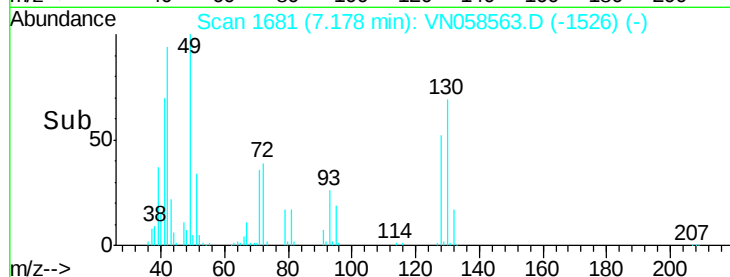
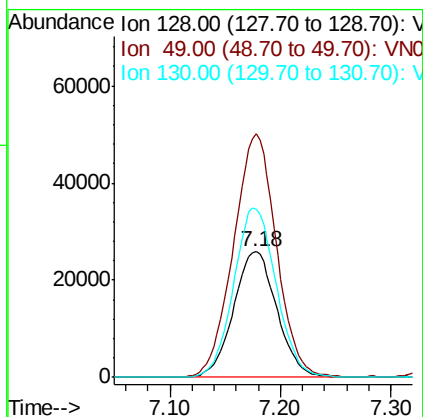
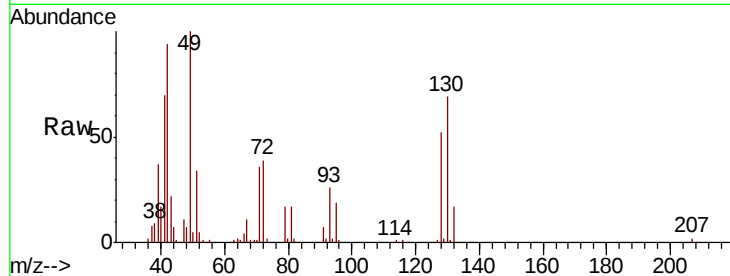
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	192.1	0.0	458.5
130	132.6	0.0	320.7

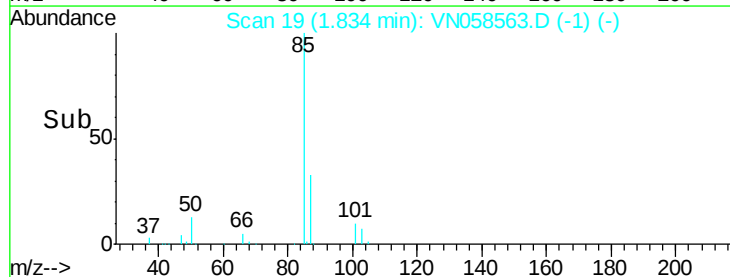
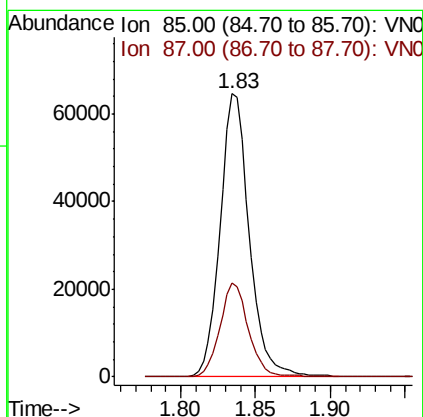
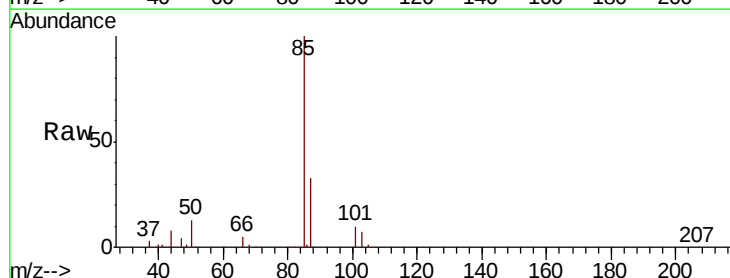
Manual Integrations
APPROVED

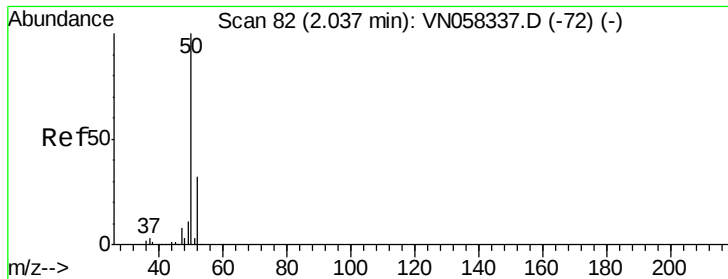
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#2
Dichlorodifluoromethane
Concen: 20.816 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.5	46.5





#3

Chloromethane

Concen: 24.085 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 50 Resp: 117561

Ion Ratio Lower Upper

50 100

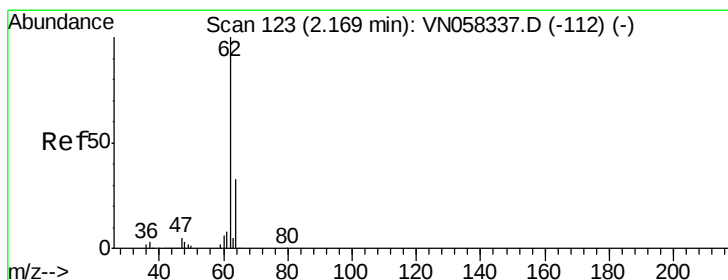
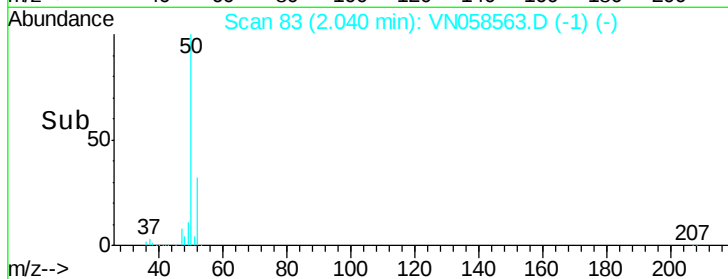
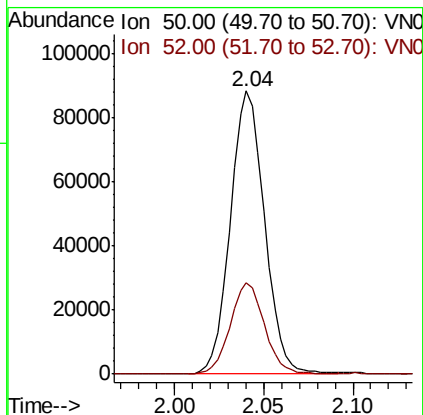
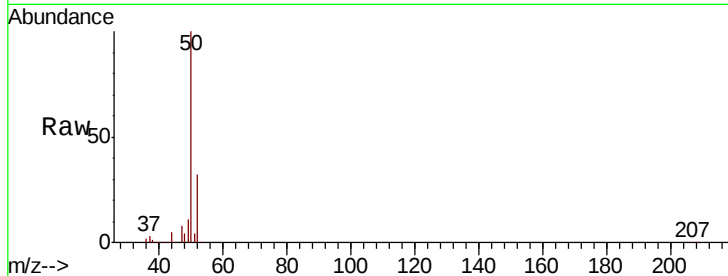
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.714 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058563.D

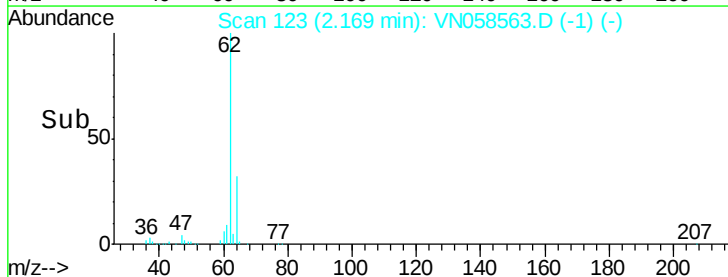
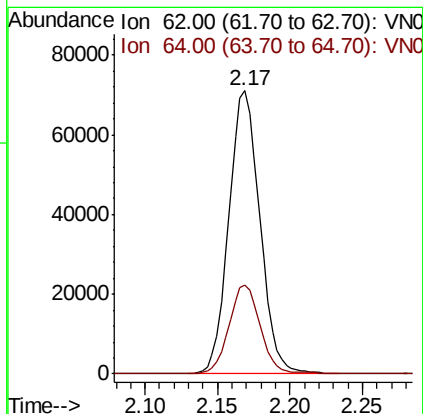
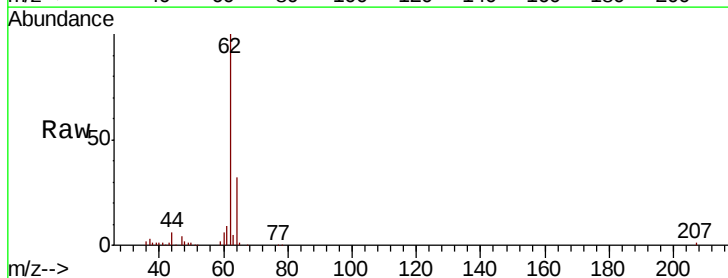
Acq: 7 Oct 2019 13:40

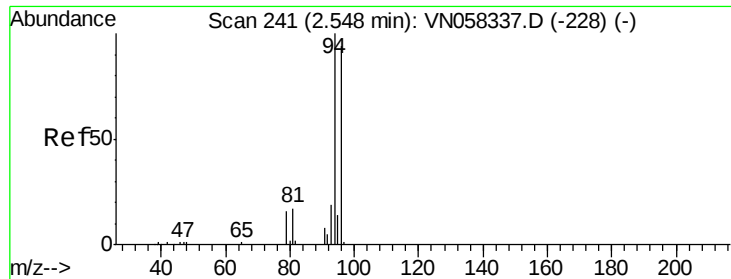
Tgt Ion: 62 Resp: 105757

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 20.678 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 94 Resp: 54686

Ion Ratio Lower Upper

94 100

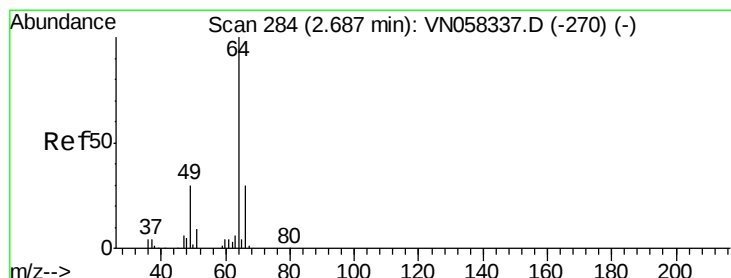
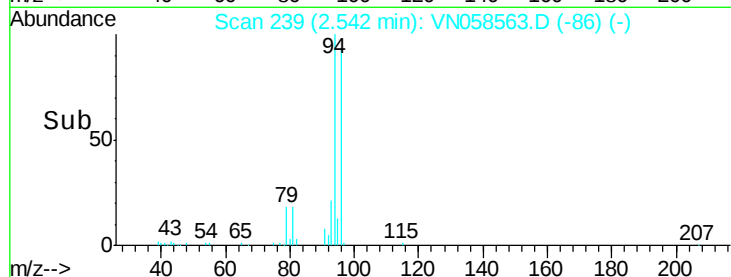
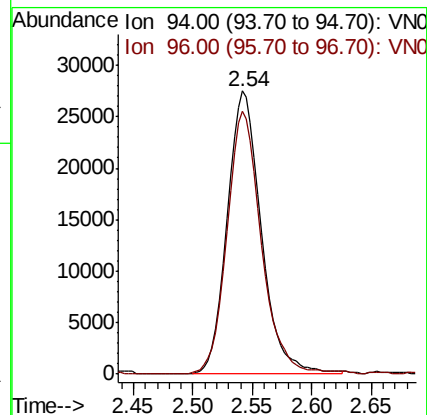
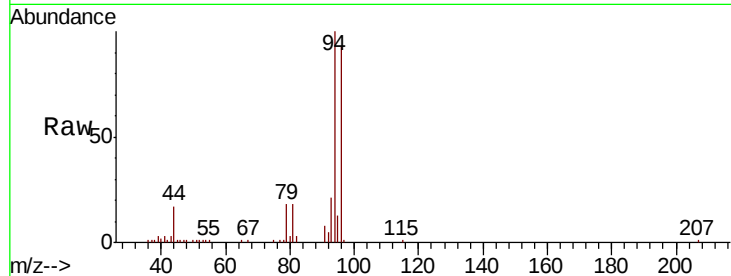
96 92.3 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 23.131 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058563.D

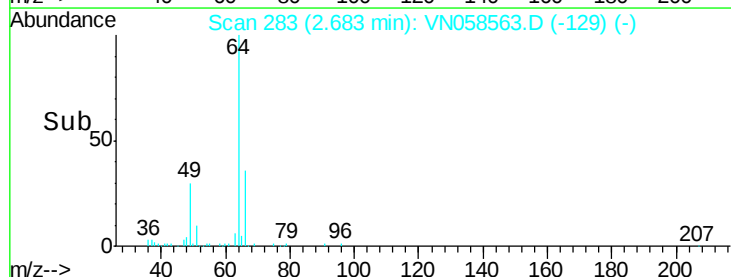
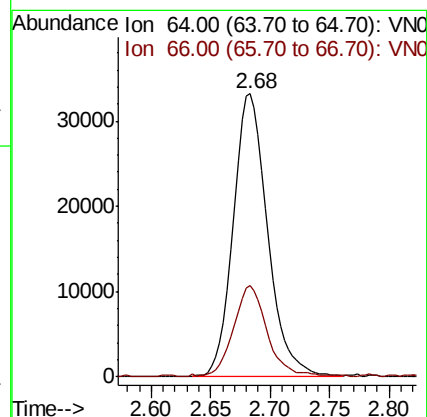
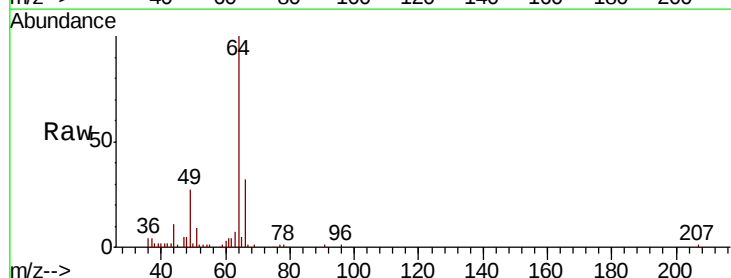
Acq: 7 Oct 2019 13:40

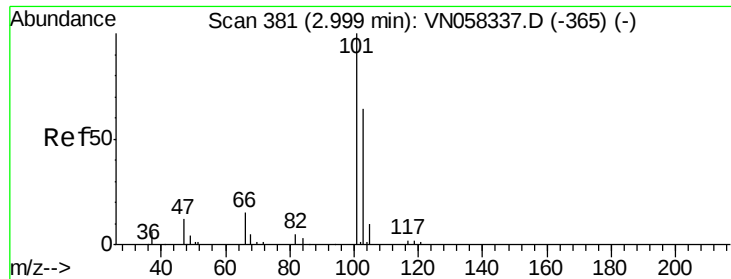
Tgt Ion: 64 Resp: 66579

Ion Ratio Lower Upper

64 100

66 31.5 23.8 35.6





#7

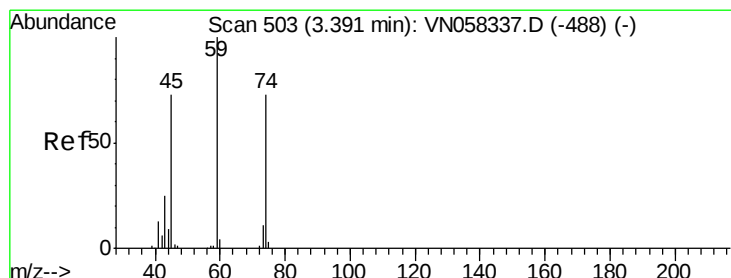
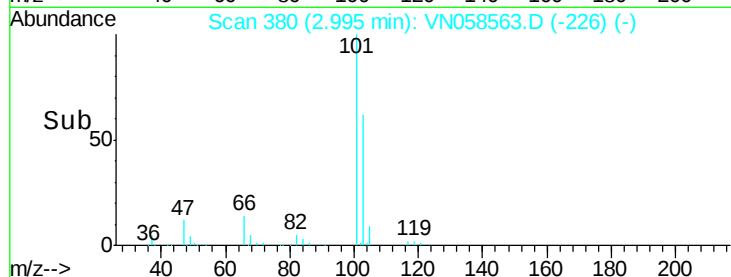
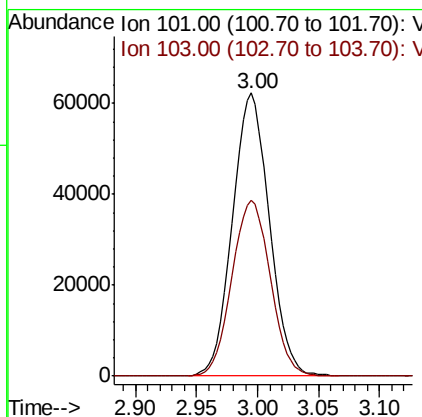
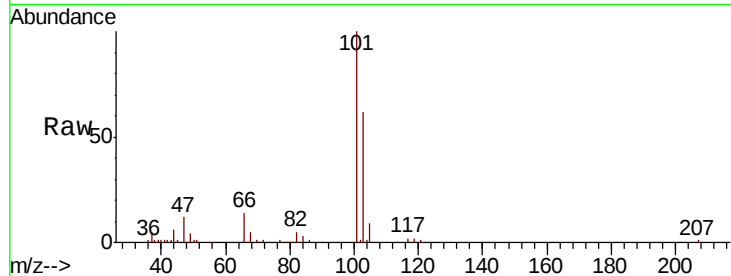
Trichlorofluoromethane
 Concen: 22.815 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.5	77.3

Manual Integrations
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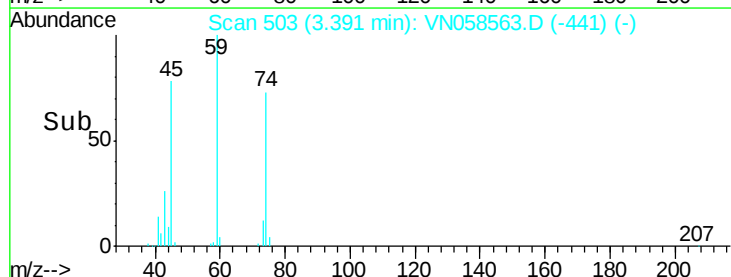
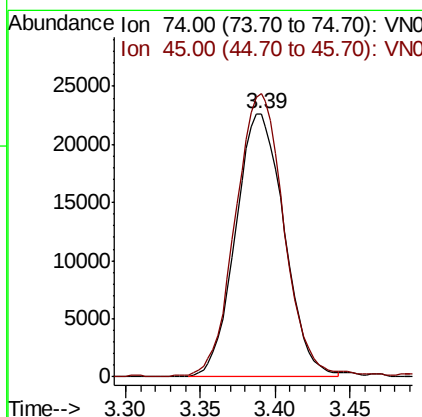
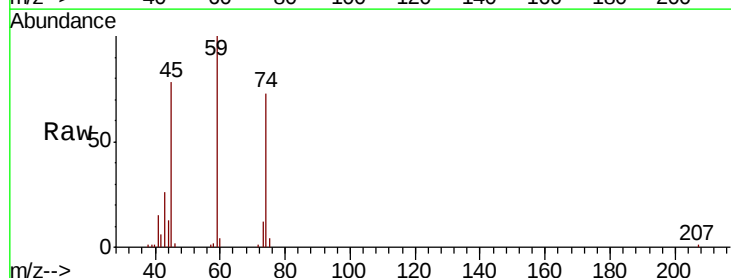
MMDadoda
 10/9/2019 10:50:24 AM

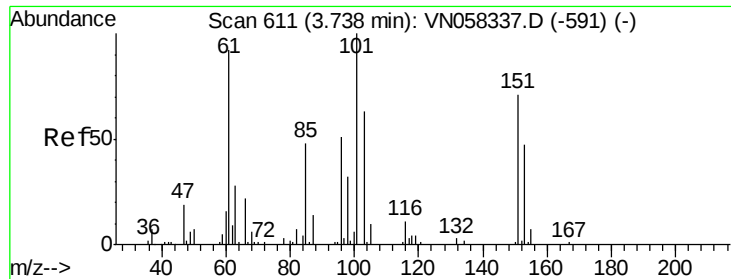


#8

Diethyl Ether
 Concen: 20.128 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	20.8	187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.936 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

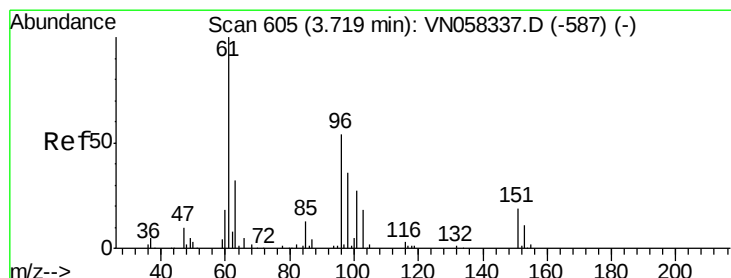
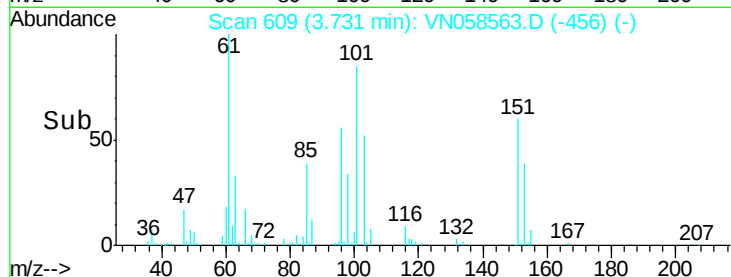
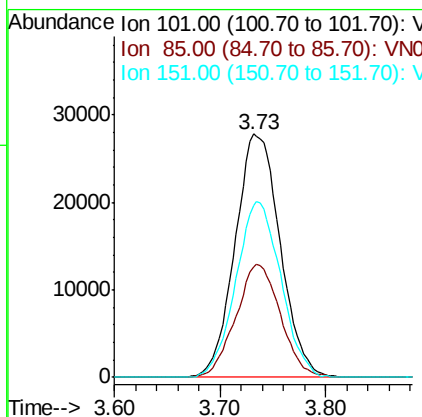
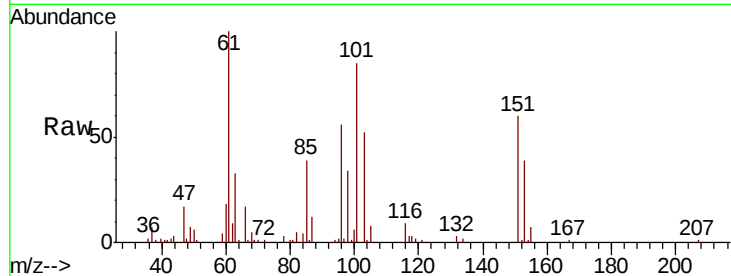
ClientSampled :

VN1007WBSD01

Tot Ion:	101	Resp:	82647
Ion Ratio	Lower	Upper	
101	100		
85	46.0	0.0	93.0
151	71.9	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 20.091 ug/l

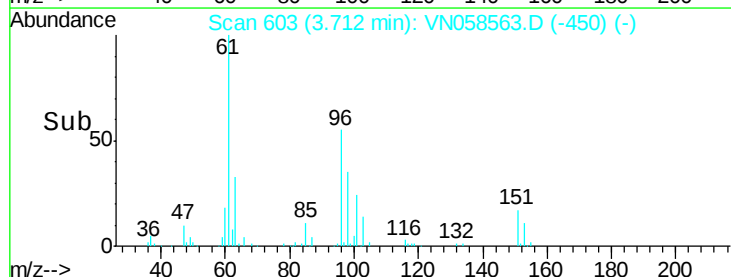
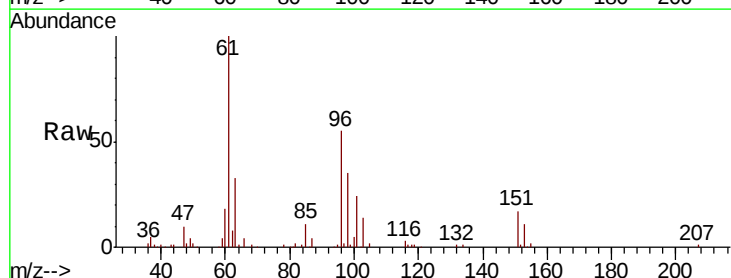
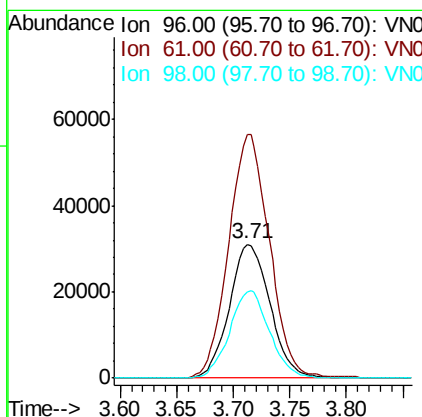
RT: 3.71 min Scan# 603

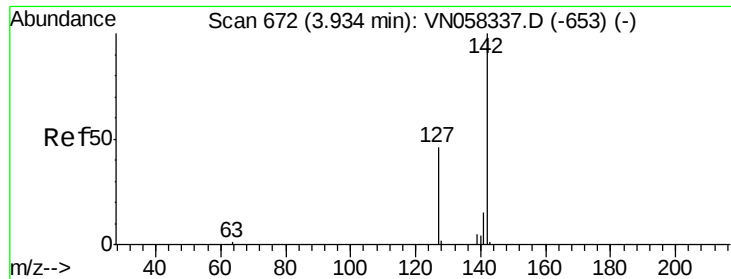
Delta R.T. -0.01 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	96	Resp:	77531
Ion Ratio	Lower	Upper	
96	100		
61	181.0	146.9	220.3
98	64.3	52.3	78.5





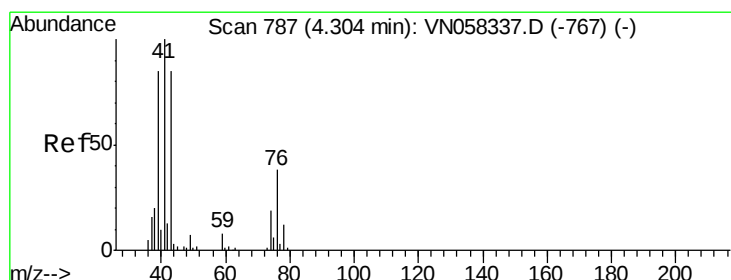
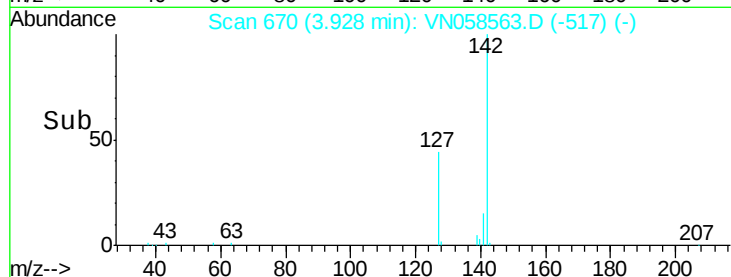
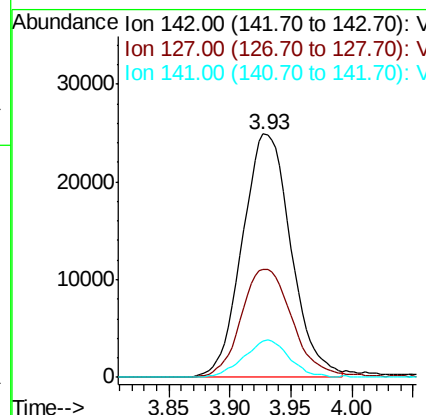
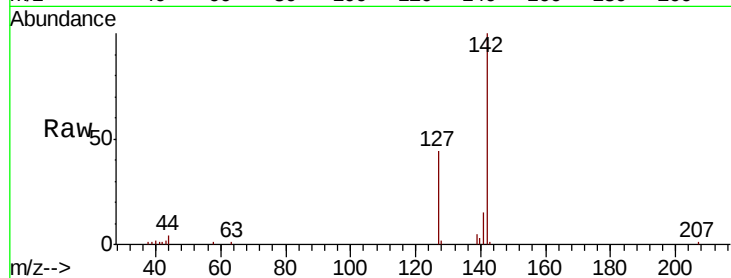
#11
Methvl Iodide
Concen: 17.436 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.1	22.9	68.7
141	15.0	7.4	22.3

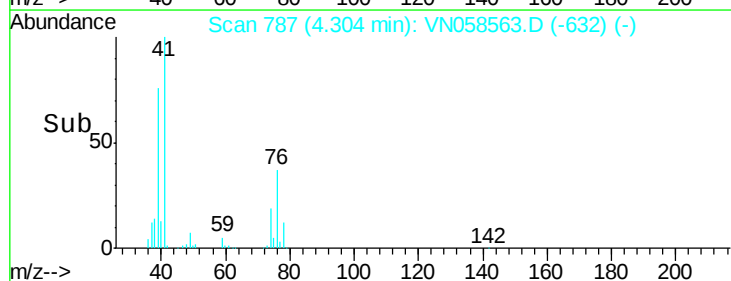
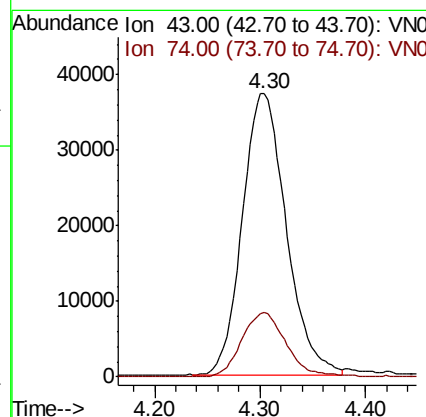
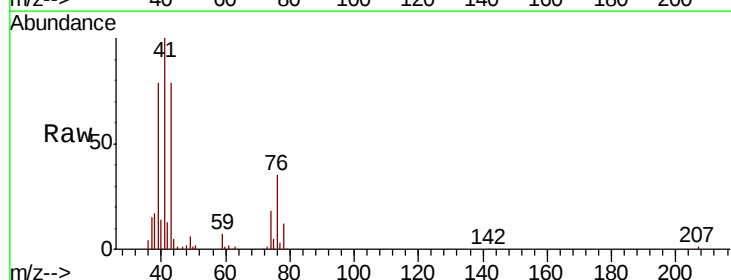
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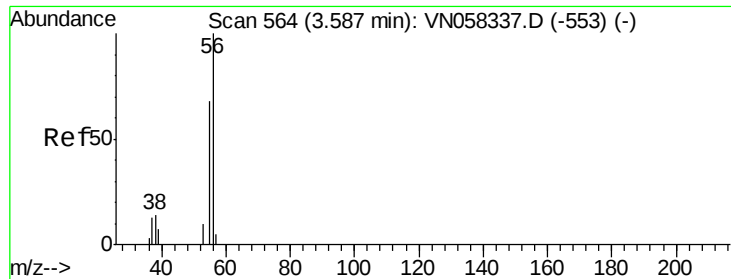
MMDadoda
10/9/2019 10:50:24 AM



#12
Methyl Acetate
Concen: 21.043 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.8	26.6





#13

Acrolein

Concen: 226.842 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 56 Resp: 33153

Ion Ratio Lower Upper

56 100

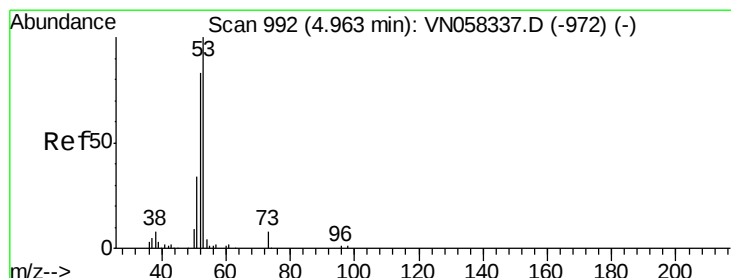
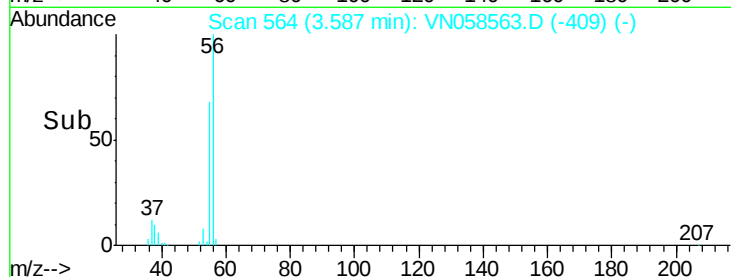
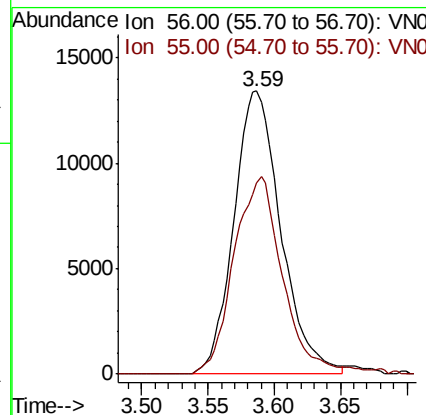
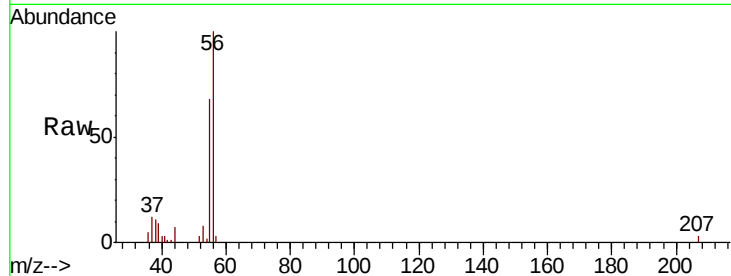
55 71.5 58.4 87.6

Manual Integrations

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#14

Acrylonitrile

Concen: 100.469 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

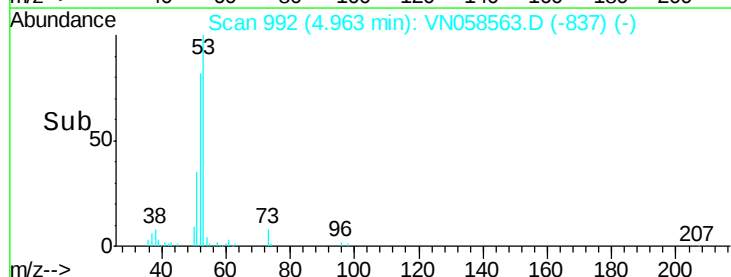
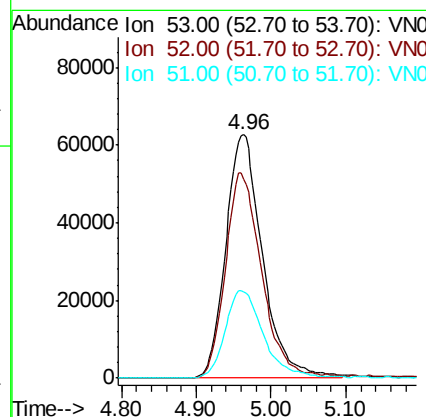
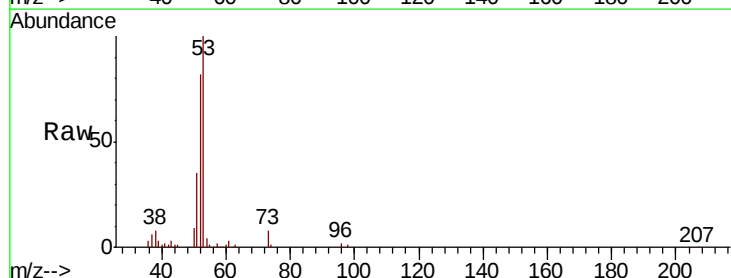
Tgt Ion: 53 Resp: 213215

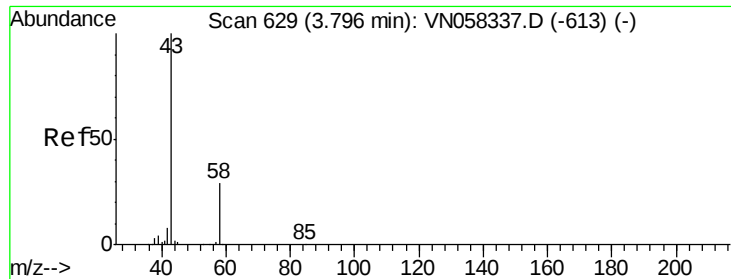
Ion Ratio Lower Upper

53 100

52 83.0 41.3 123.7

51 37.5 18.3 54.8





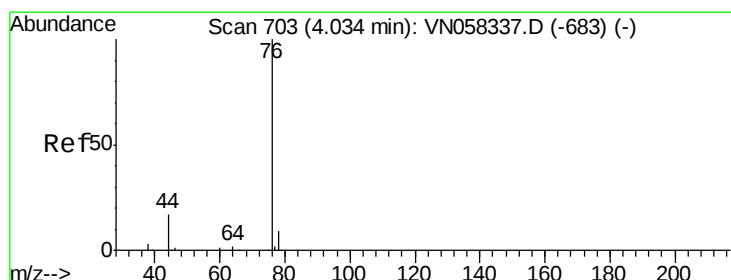
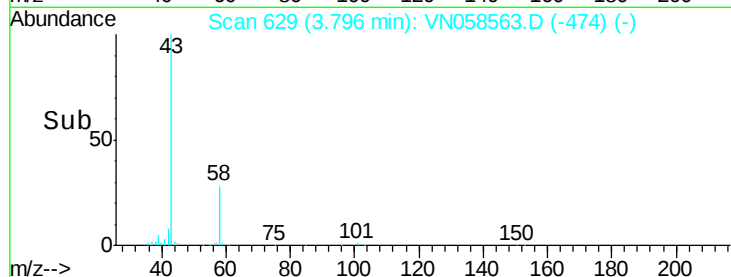
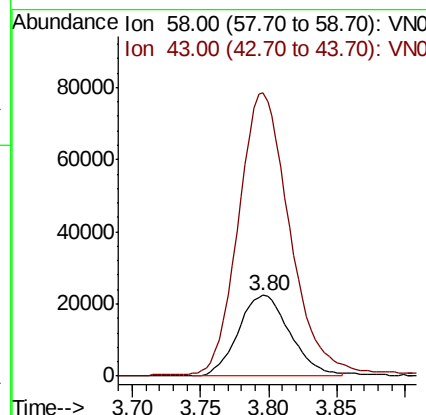
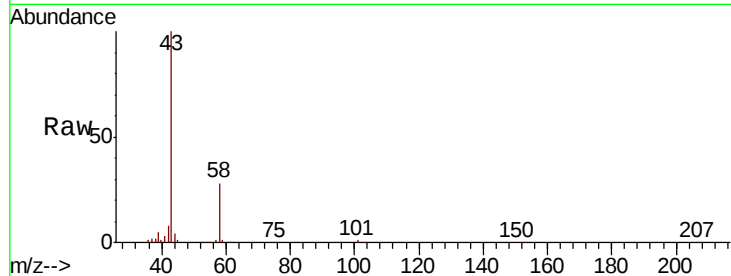
#15
Acetone
Concen: 100.919 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion: 58 Resp: 59384
Ion Ratio Lower Upper
58 100
43 347.5 272.6 409.0

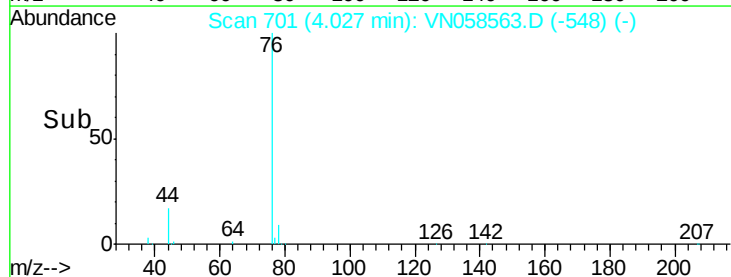
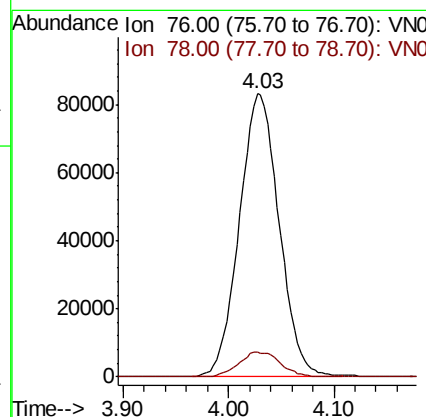
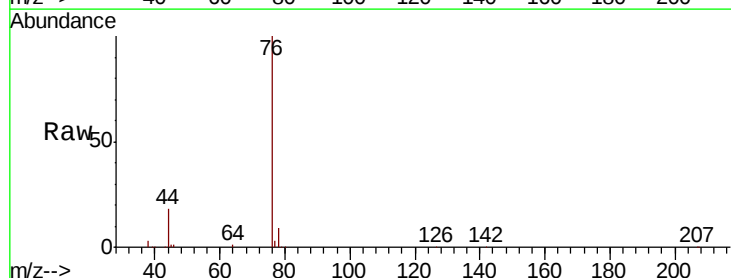
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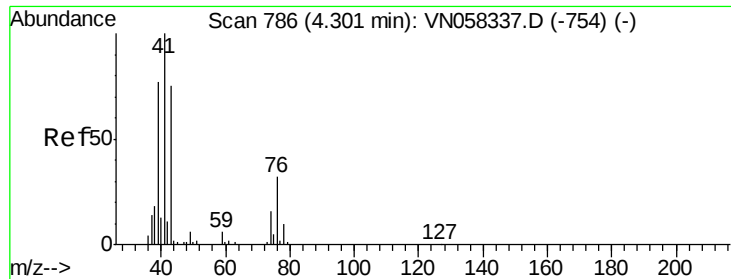
MMDadoda
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#16
Carbon Disulfide
Concen: 20.313 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.01 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 76 Resp: 217839
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2





#17

Allvl chloride

Concen: 21.556 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

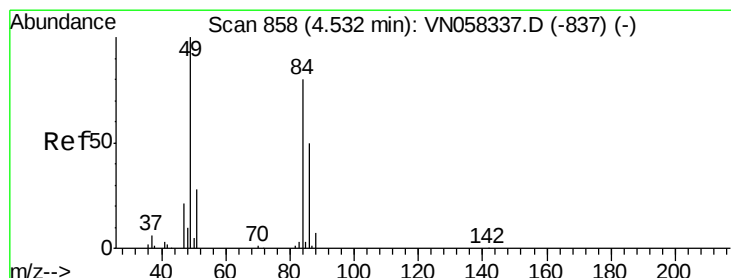
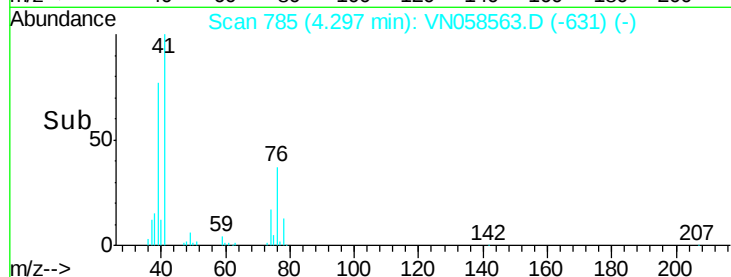
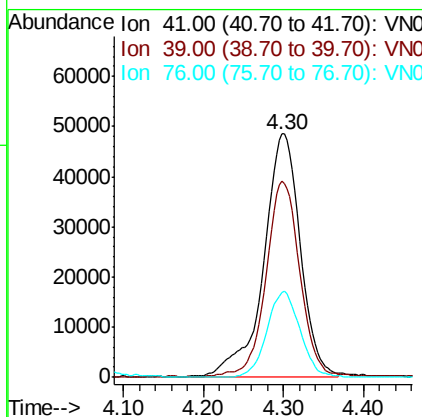
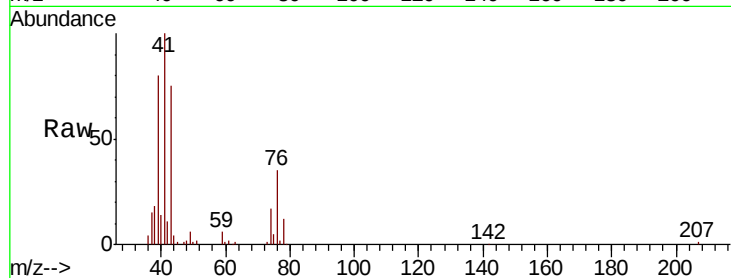
ClientSampleId :

VN1007WBSD01

Tot Ion:	41	Resp:	155375
Ion Ratio	Lower	Upper	
41	100		
39	80.0	38.7	116.1
76	34.7	16.4	49.1

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#18

Methylene Chloride

Concen: 21.488 ug/l

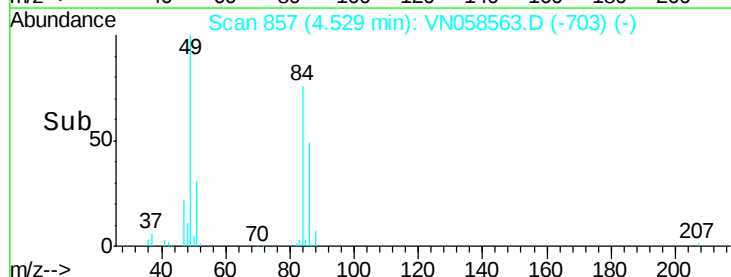
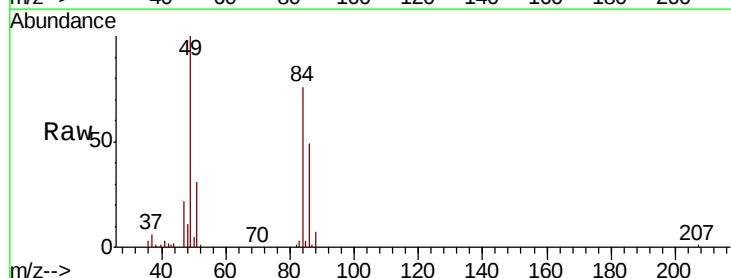
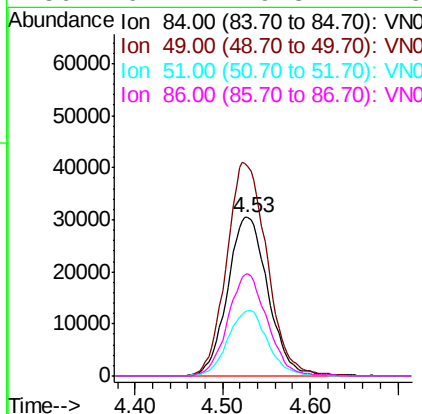
RT: 4.53 min Scan# 857

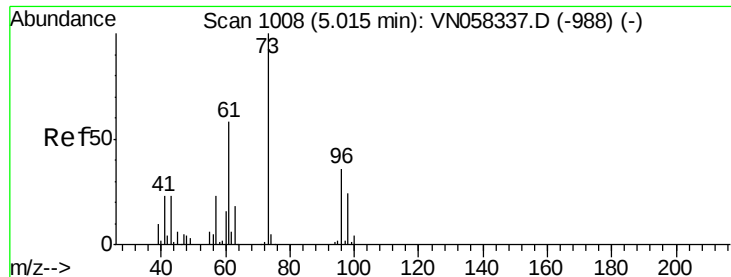
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	84	Resp:	97819
Ion Ratio	Lower	Upper	
84	100		
49	131.7	99.8	149.6
51	40.9	28.3	42.5
86	64.4	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 20.278 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 96 Resp: 87728

Ion Ratio Lower Upper

96 100

61 154.7 128.0 192.0

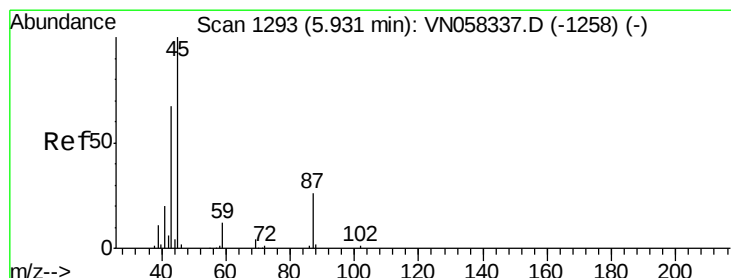
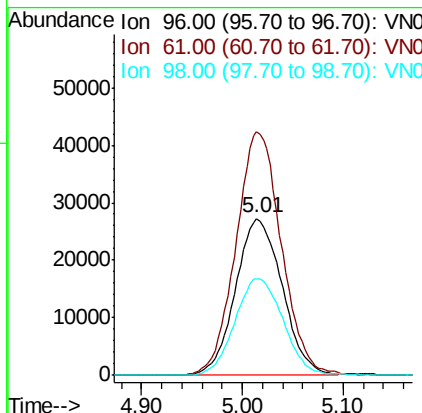
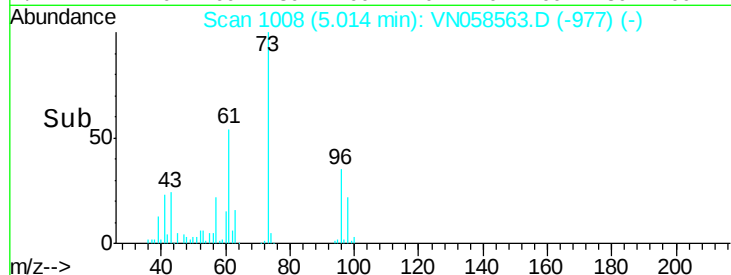
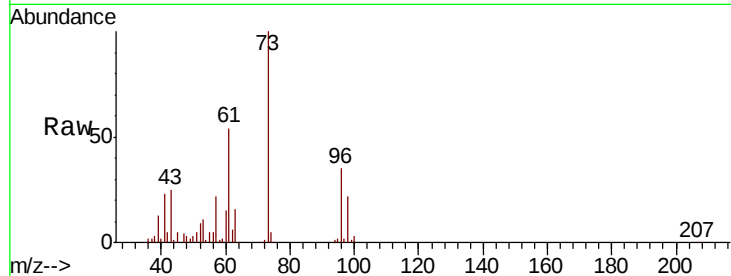
98 61.6 53.0 79.6

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#20

Diisopropyl ether

Concen: 20.774 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion: 45 Resp: 319076

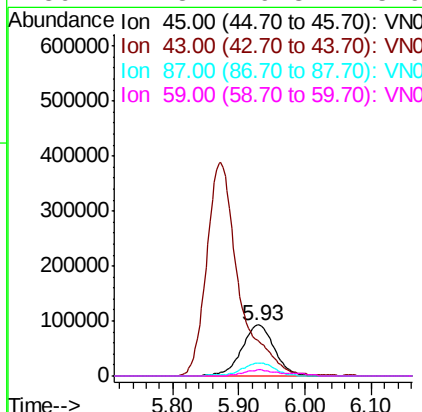
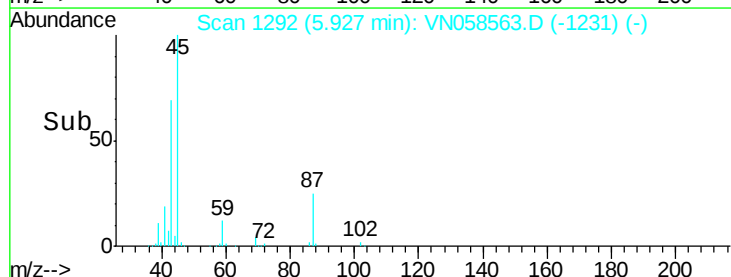
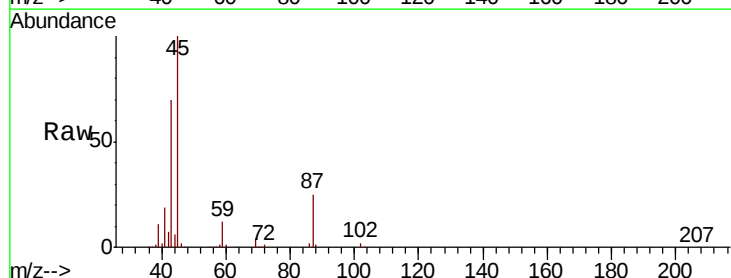
Ion Ratio Lower Upper

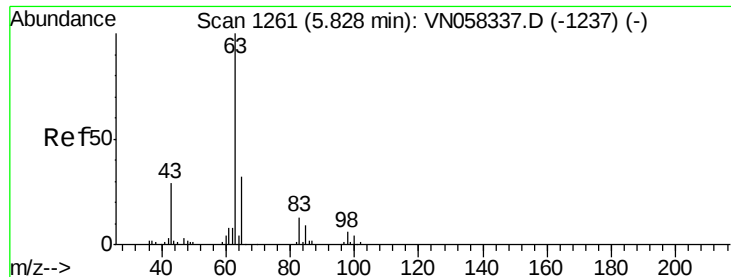
45 100

43 68.2 54.1 81.1

87 25.4 21.4 32.2

59 11.8 9.3 13.9





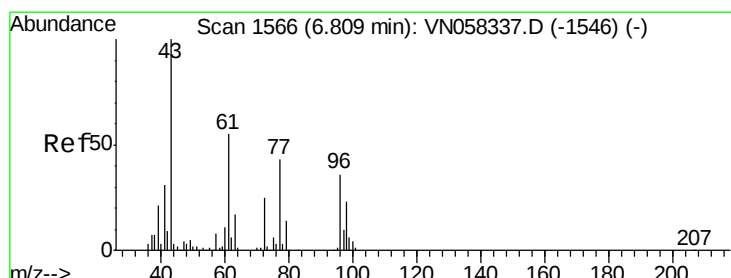
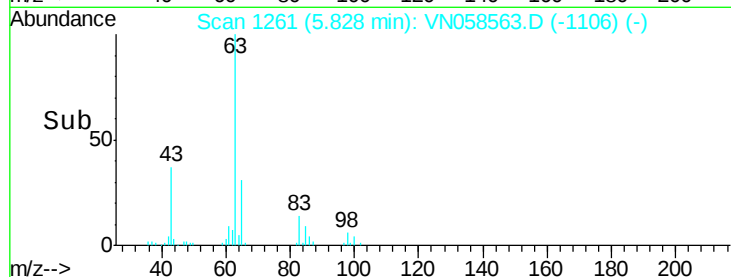
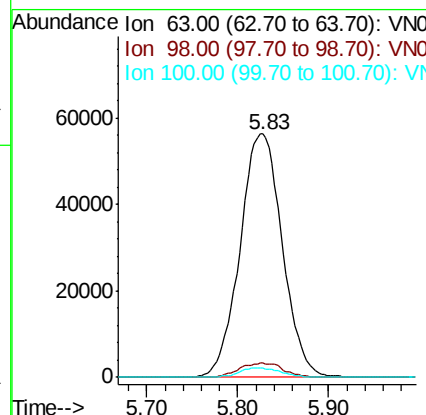
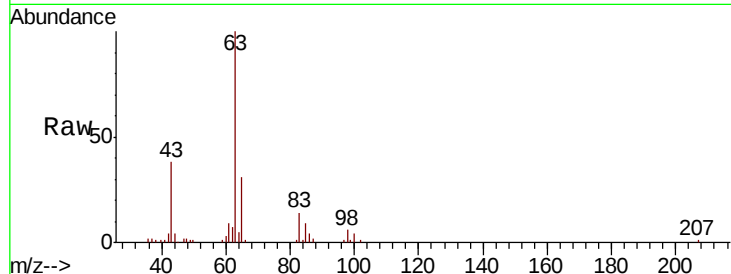
#21
 1,1-Dichloroethane
 Concen: 21.136 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.8	3.0	9.2
100	3.8	2.1	6.5

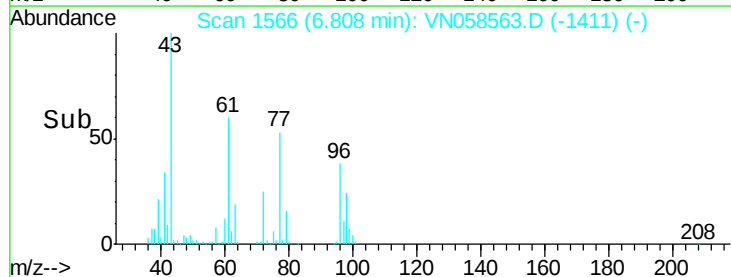
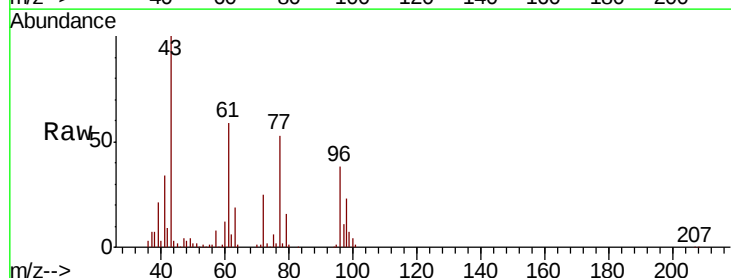
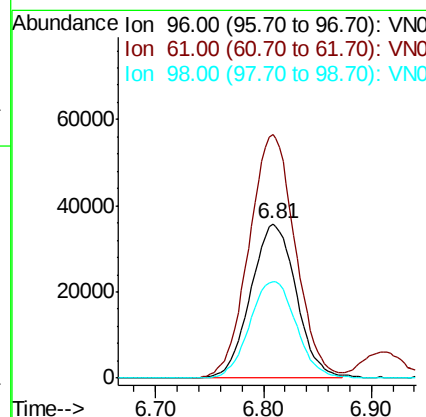
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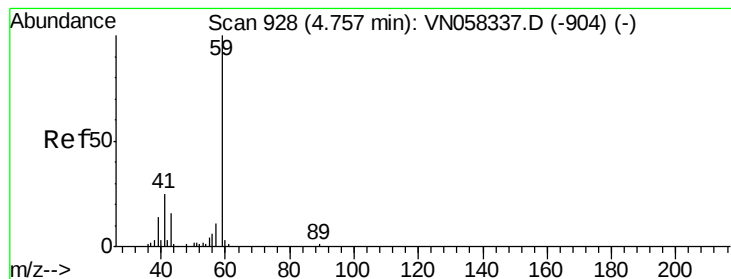
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#22
 cis-1,2-Dichloroethene
 Concen: 20.831 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	160.3	128.2	192.2
98	64.0	50.6	76.0





#23

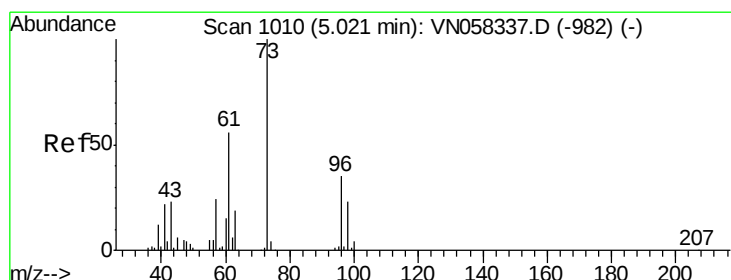
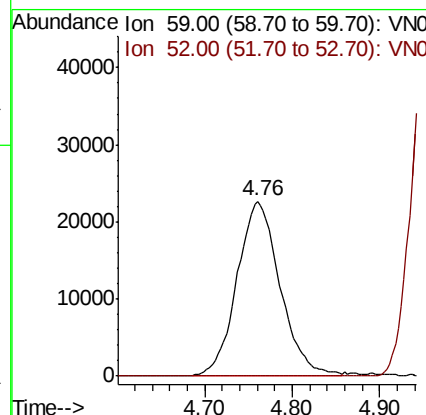
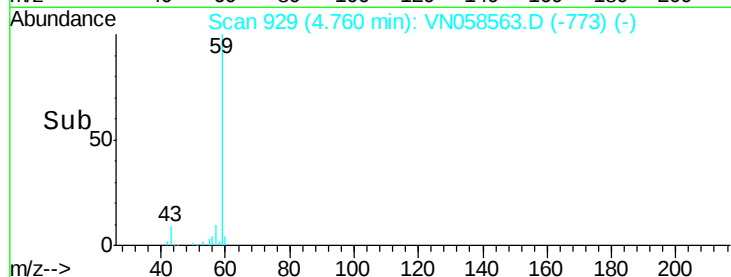
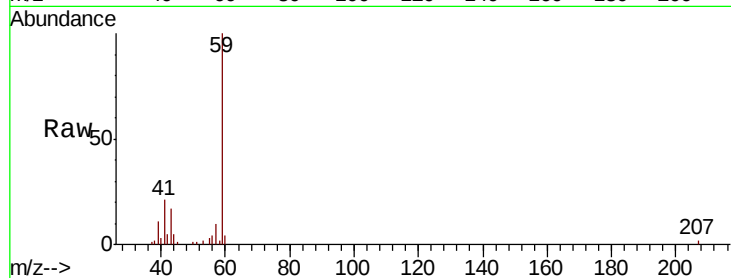
tert-Butyl Alcohol
 Concen: 98.914 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion: 59 Resp: 77492
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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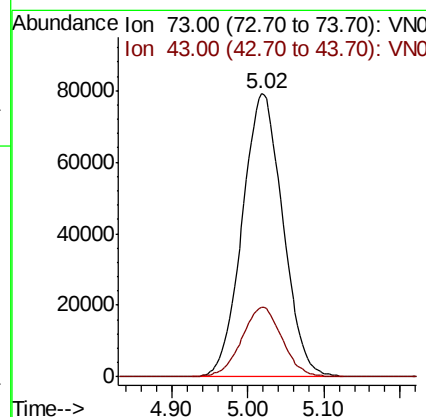
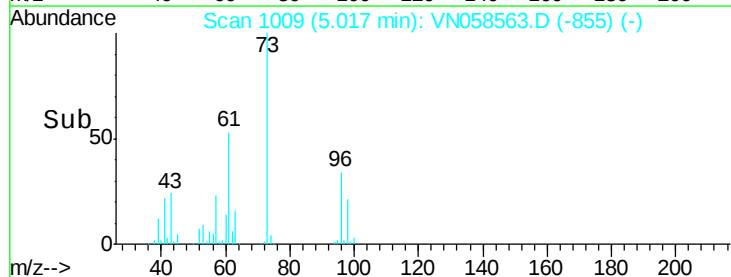
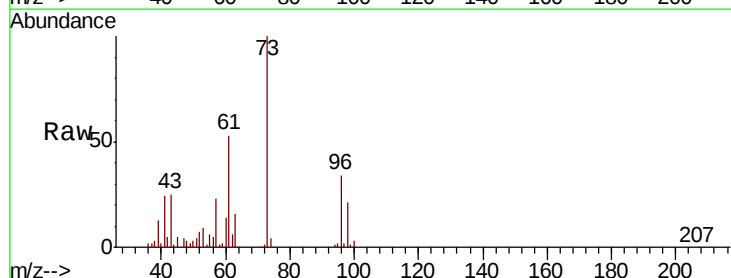
MMDadoda
 10/9/2019 10:50:24 AM

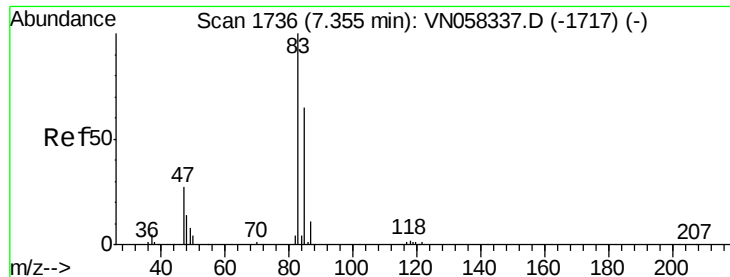


#24

Methyl tert-Butyl Ether
 Concen: 21.209 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion: 73 Resp: 293778
 Ion Ratio Lower Upper
 73 100
 43 24.7 18.4 27.6





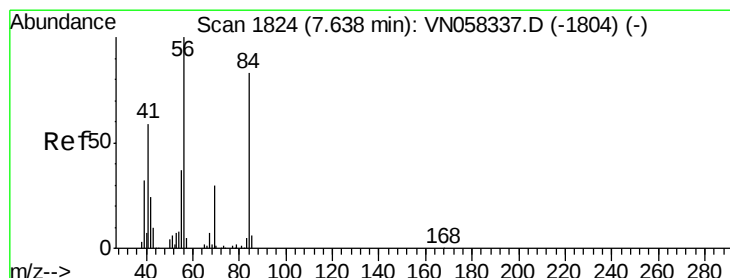
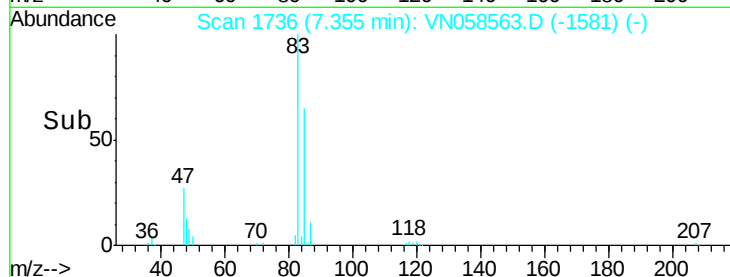
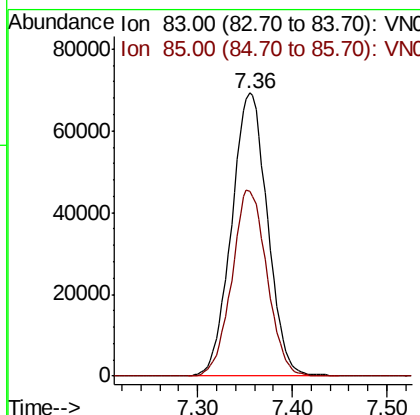
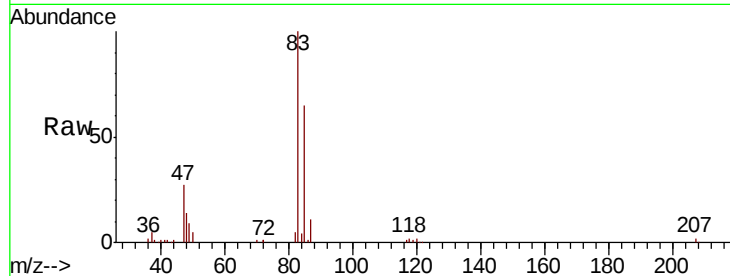
#25
Chloroform
Concen: 20.987 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	83	Resp	182644
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.8	77.6

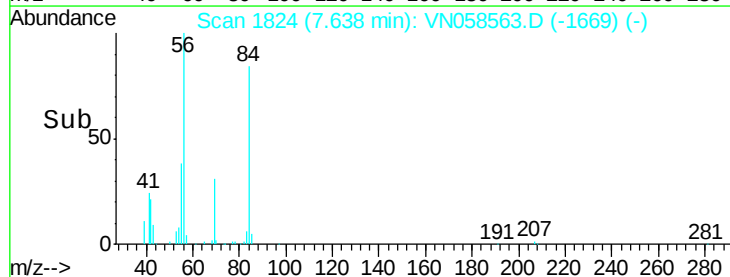
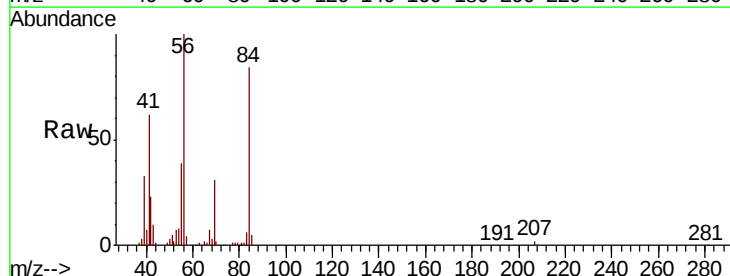
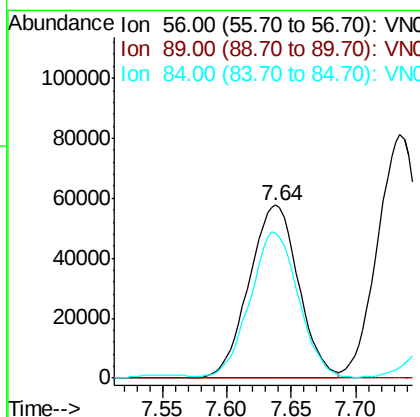
Manual Integrations
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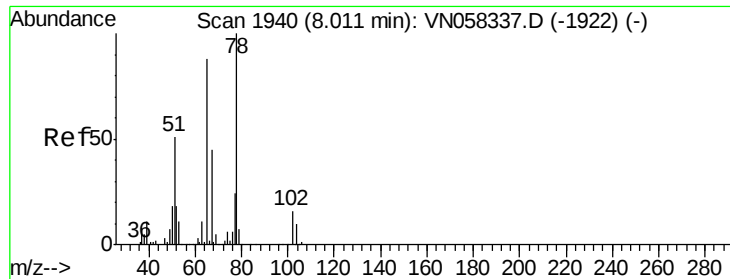
MMDadoda
10/9/2019 10:50:24 AM



#26
Cyclohexane
Concen: 19.179 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	56	Resp	154065
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	82.7	66.9	100.3





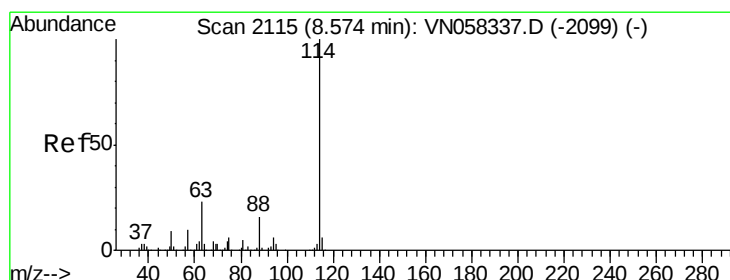
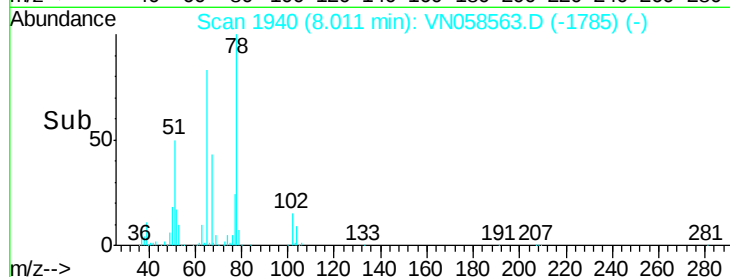
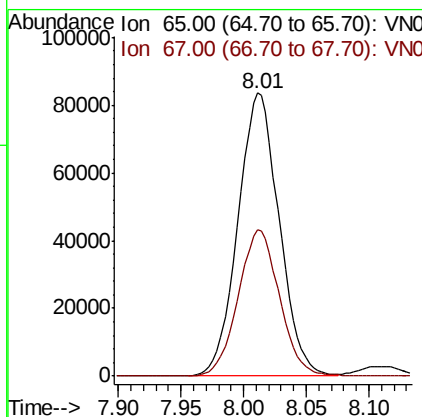
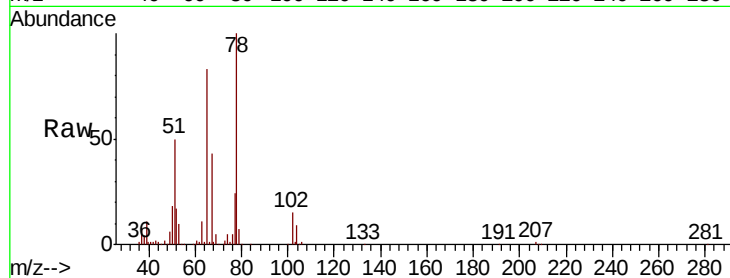
#27
 1,2-Dichloroethane-d4
 Concen: 30.750 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion: 65 Resp: 191081
 Ion Ratio Lower Upper
 65 100
 67 51.7 40.4 60.6

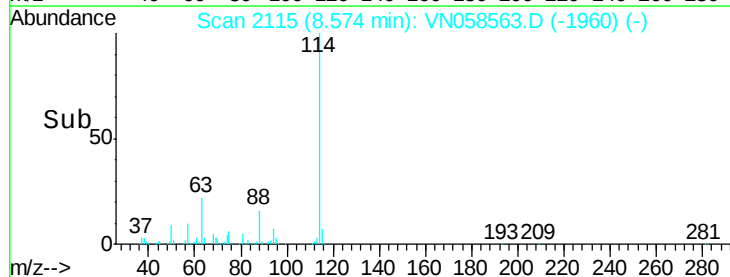
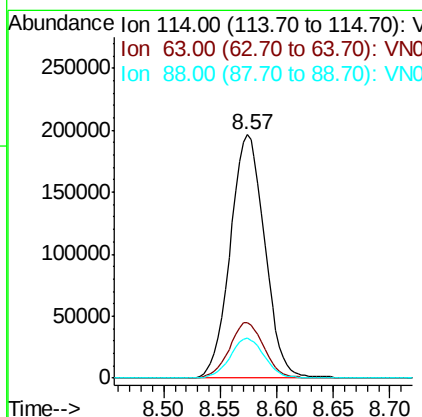
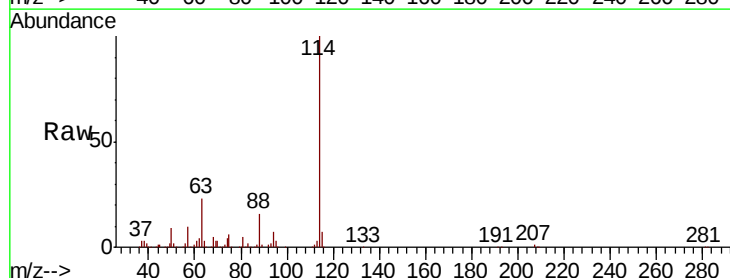
Manual Integrations
 APPROVED

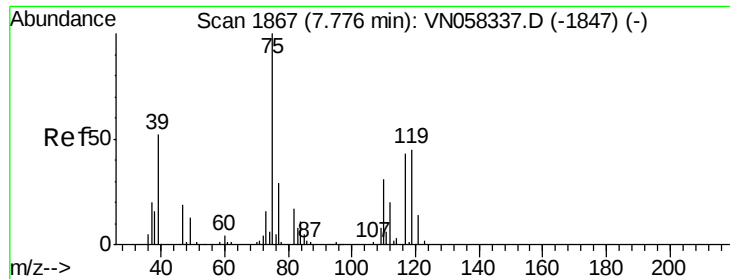
MMDadoda
 10/9/2019 10:50:24 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion: 114 Resp: 415939
 Ion Ratio Lower Upper
 114 100
 63 22.9 17.8 26.8
 88 16.2 12.7 19.1





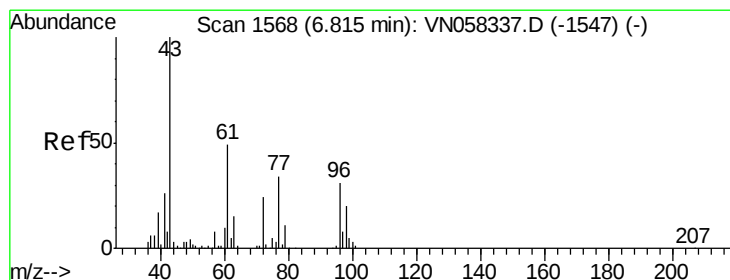
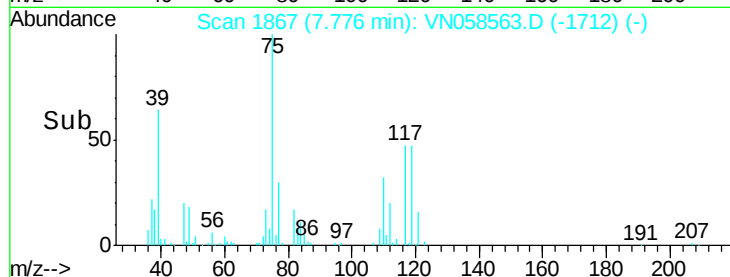
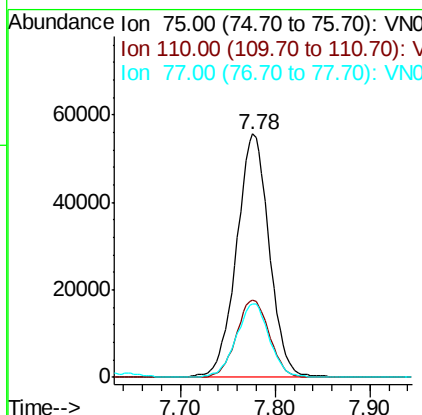
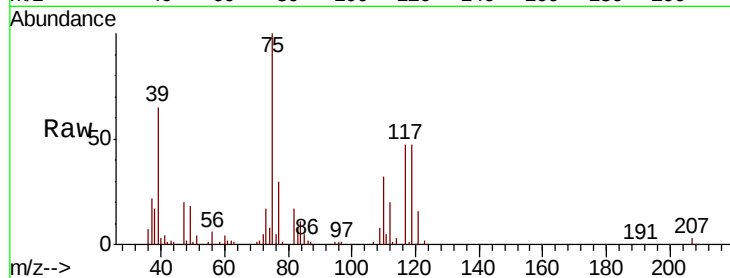
#29
 1,1-Dichloropropene
 Concen: 19.685 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	0.0	63.6
77	30.7	0.0	59.4

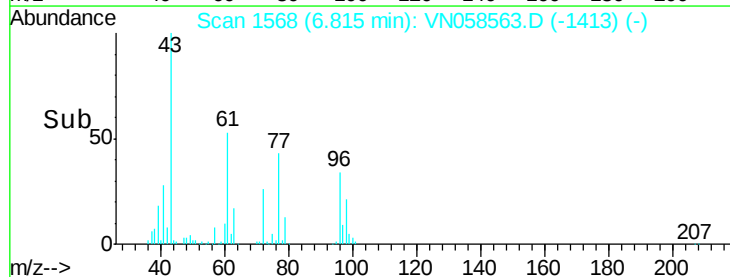
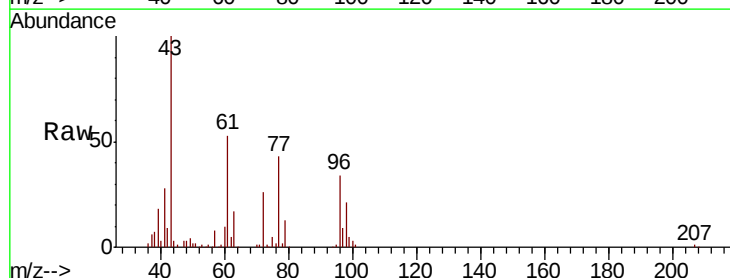
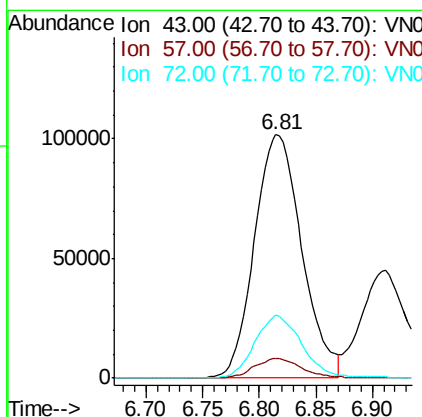
Manual Integrations
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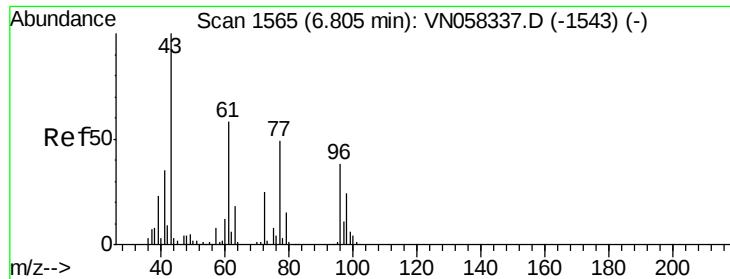
MMDadoda
 10/9/2019 10:50:24 AM



#30
 2-Butanone
 Concen: 95.435 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	25.7	20.3	30.5





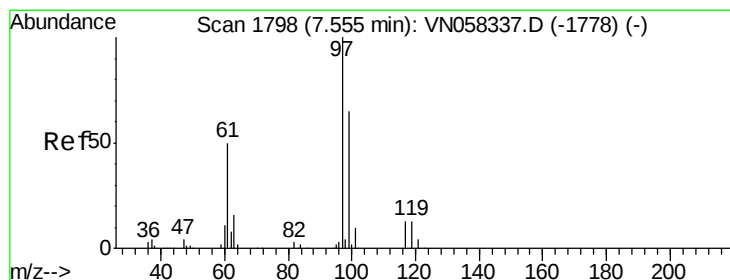
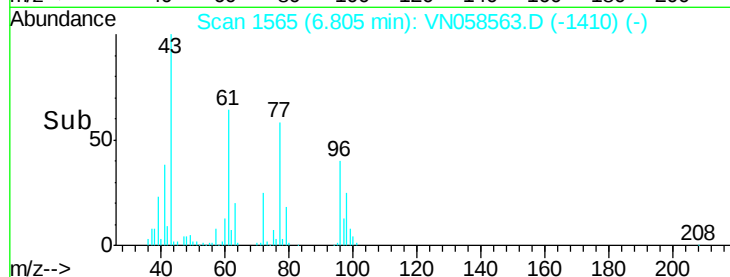
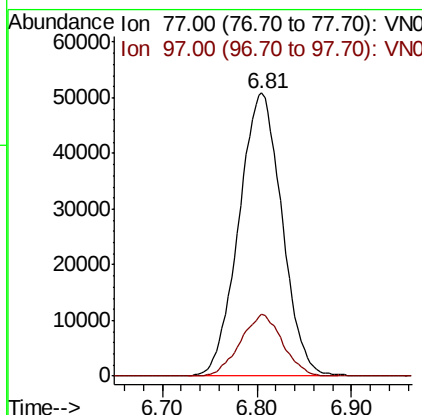
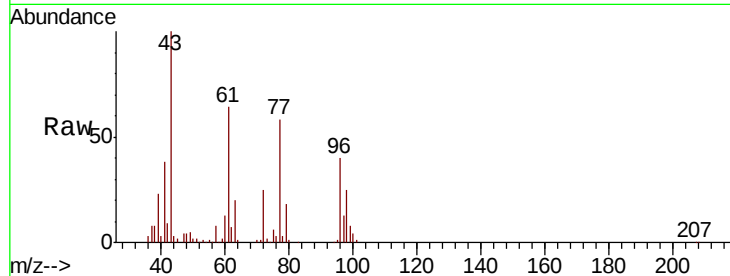
#31
 2,2-Dichloropropane
 Concen: 23.038 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	77	Resp	161033
Ion Ratio	Lower	Upper	
77	100		
97	21.2	17.6	26.4

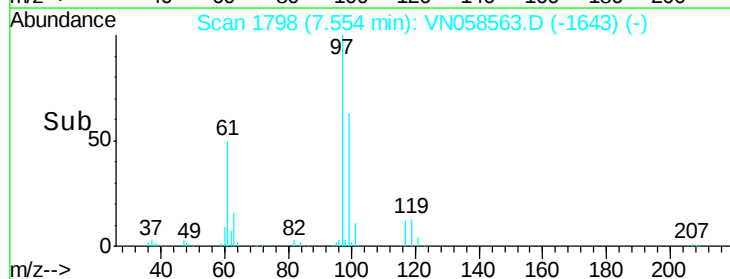
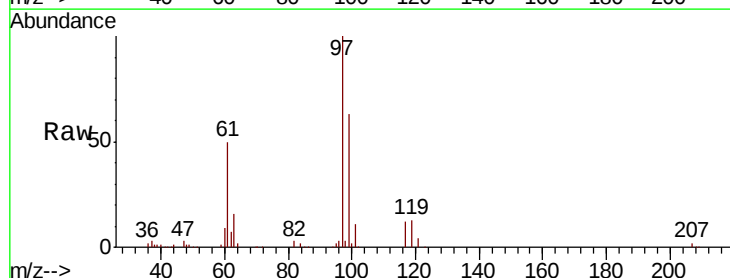
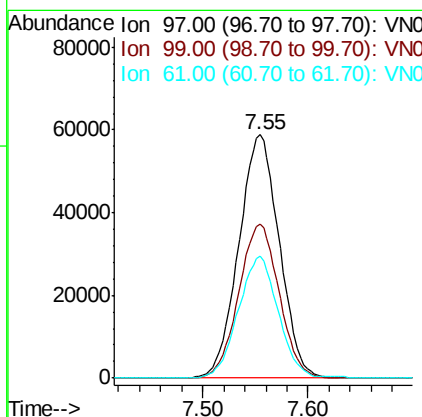
Manual Integrations
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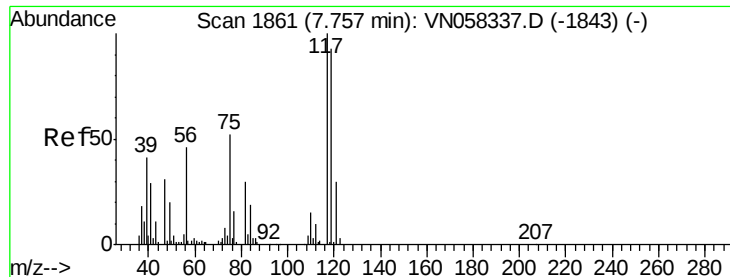
MMDadoda
 10/9/2019 10:50:24 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.414 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	97	Resp	156819
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.8	77.6
61	49.3	39.4	59.2





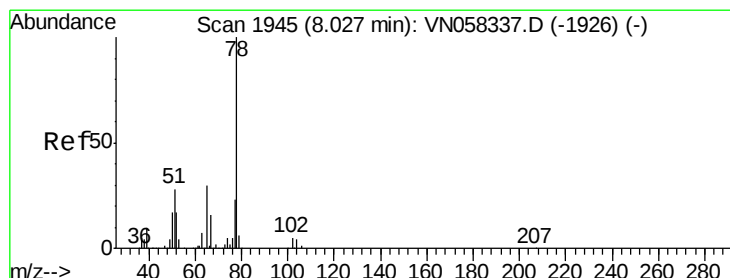
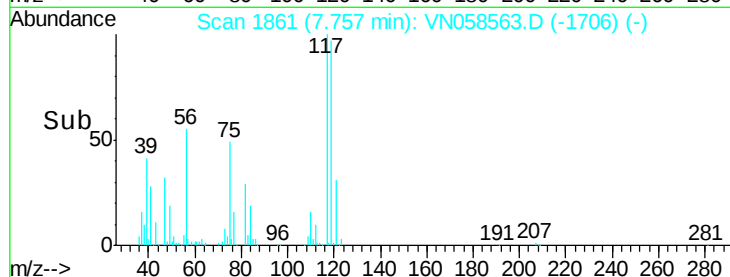
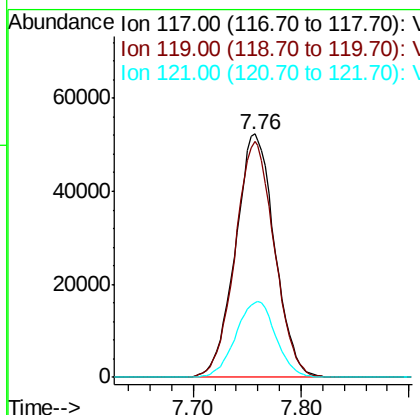
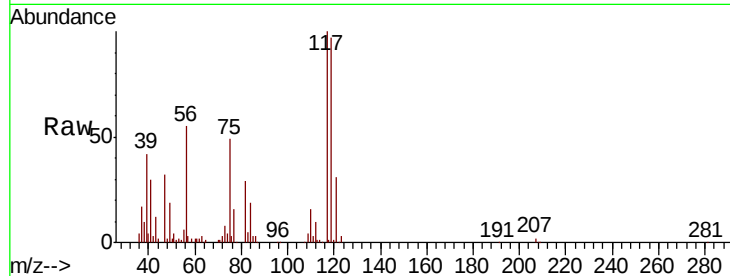
#33
Carbon Tetrachloride
Concen: 21.280 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.2	111.4
121	30.7	23.9	35.9

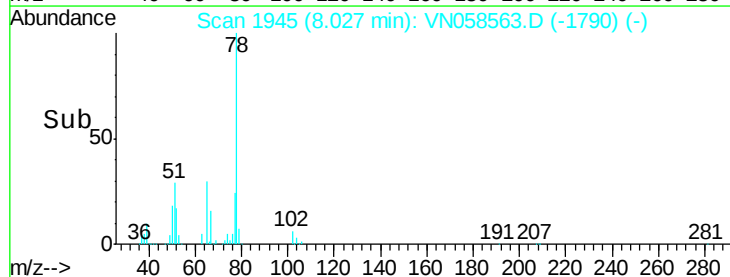
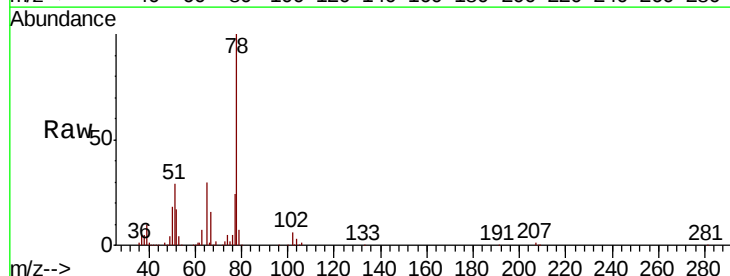
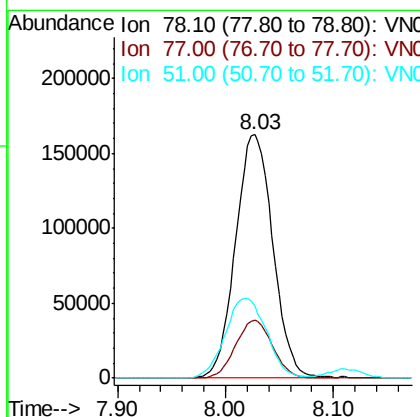
Manual Integrations
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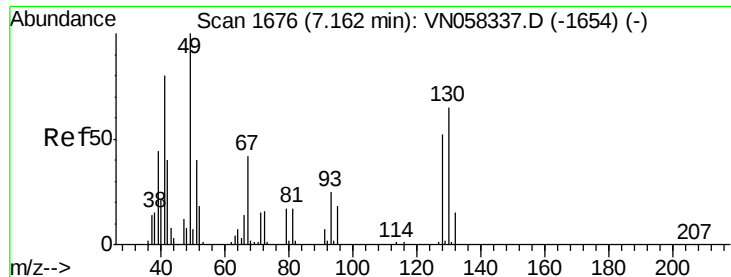
MMDadoda
10/9/2019 10:50:24 AM



#34
Benzene
Concen: 20.293 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2
51	29.2	22.4	33.6





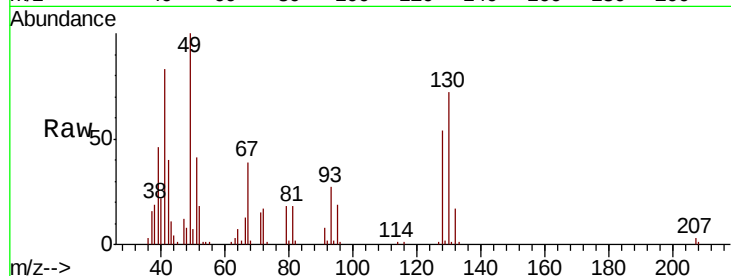
#35
Methacrylonitrile
Concen: 21.499 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

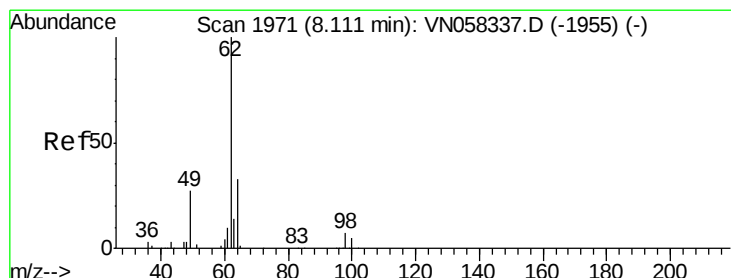
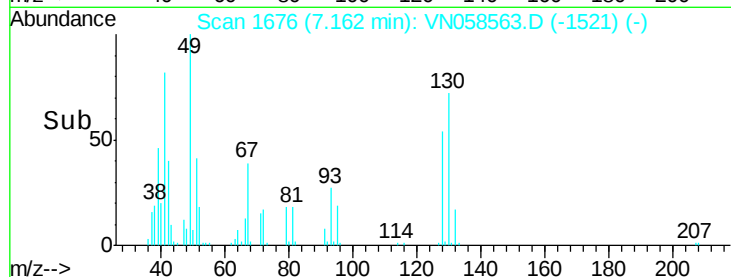
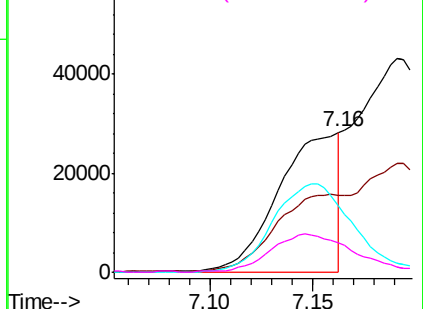
Tot Ion	41	Resp	57006
Ion	Ratio	Lower	Upper
41	100		
39	55.4	27.3	81.9
67	47.6	26.3	78.9
52	21.5	11.0	33.0

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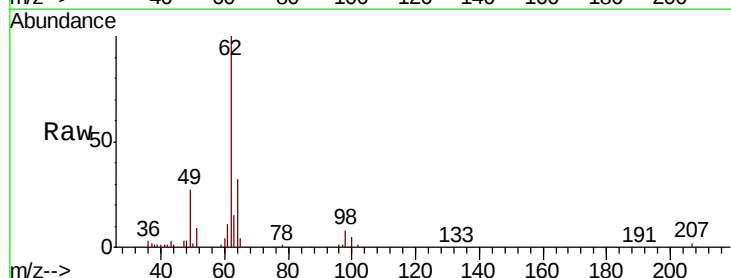


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

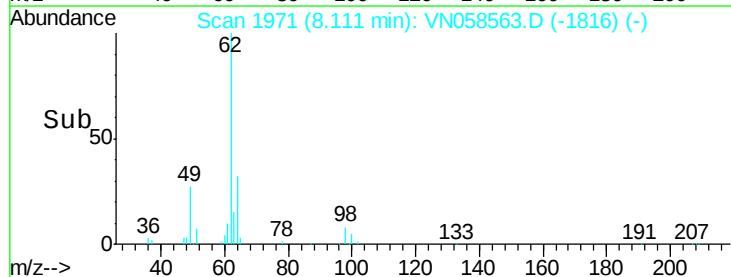
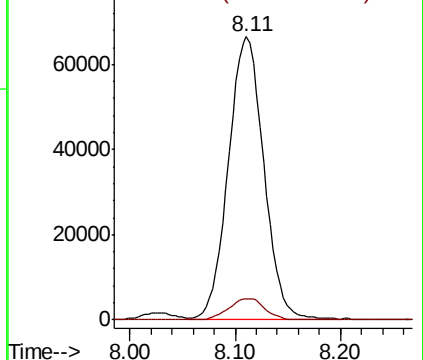


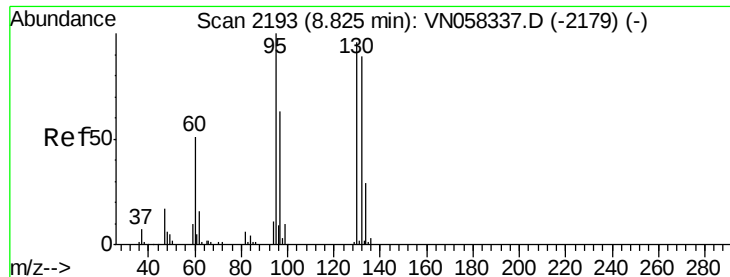
#36
1,2-Dichloroethane
Concen: 20.479 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	62	Resp	154513
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 20.359 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion:130 Resp: 98168

Ion Ratio Lower Upper

130 100

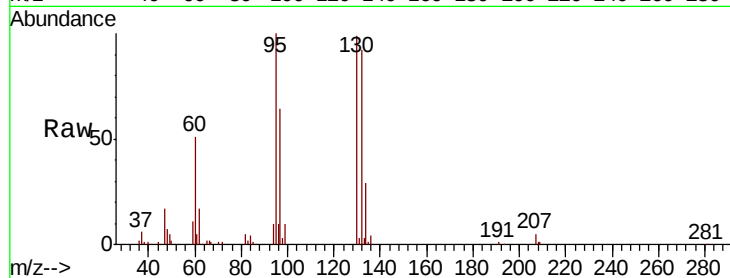
95 101.1 83.3 124.9

Manual Integrations

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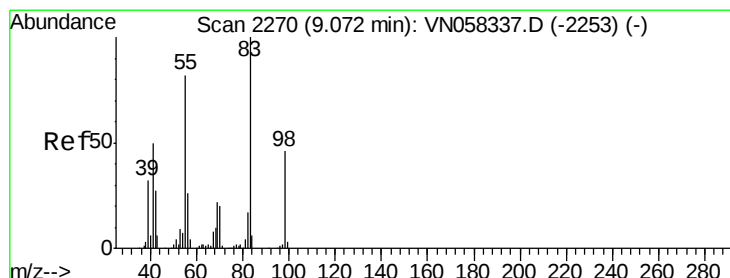
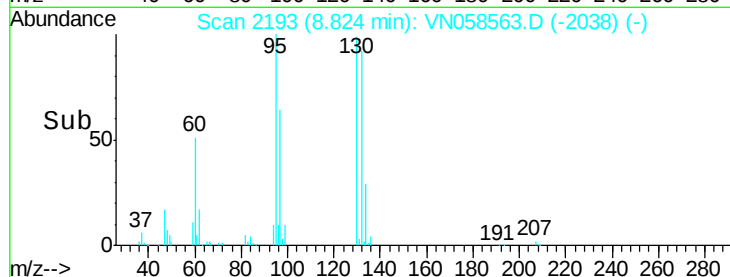
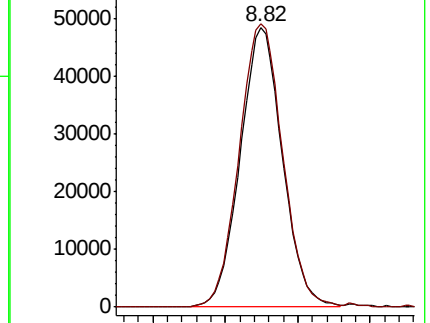
MMDadoda

10/9/2019 10:50:24 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.267 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

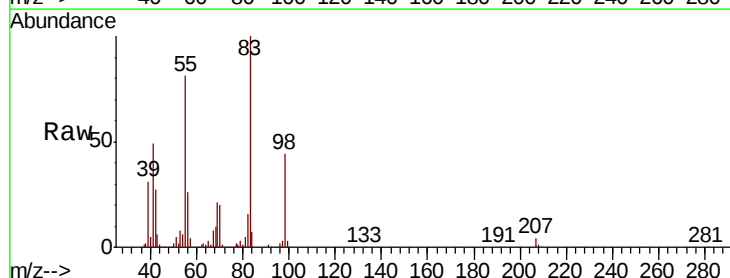
Tgt Ion: 83 Resp: 149971

Ion Ratio Lower Upper

83 100

55 80.7 40.5 121.4

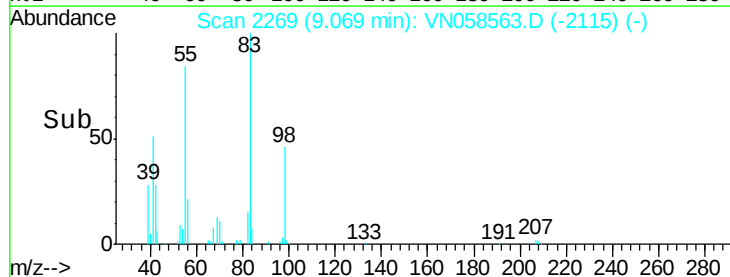
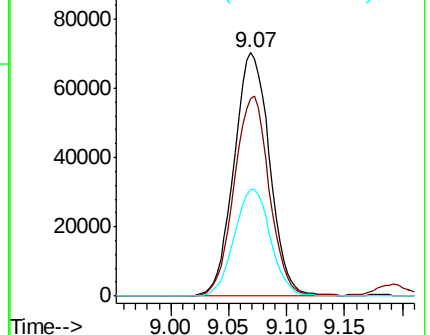
98 44.7 23.1 69.2

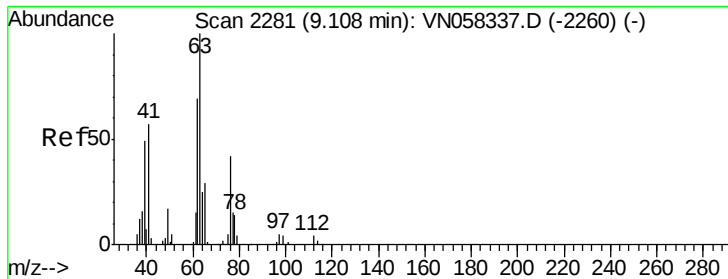


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





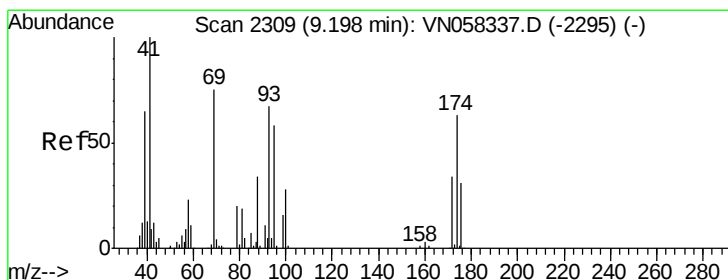
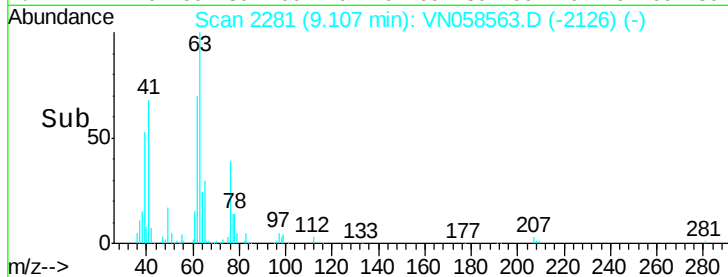
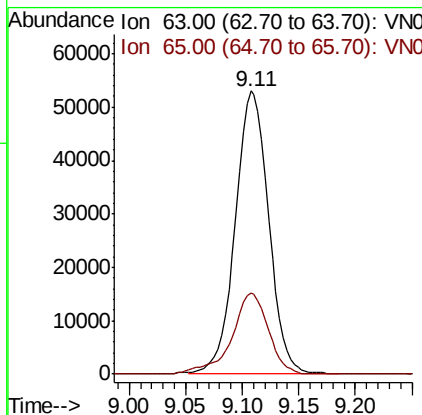
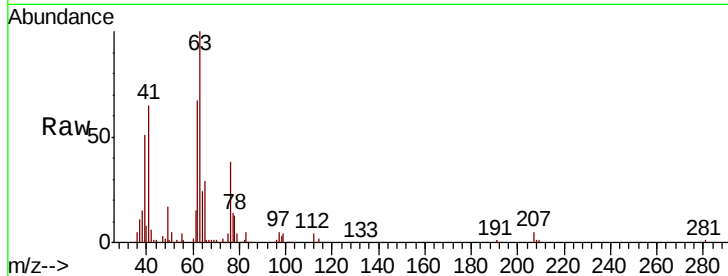
#39
 1,2-Dichloropropane
 Concen: 20.800 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	63	Resp	109274
Ion Ratio	63	100	
Lower	23.4		
Upper	35.0		

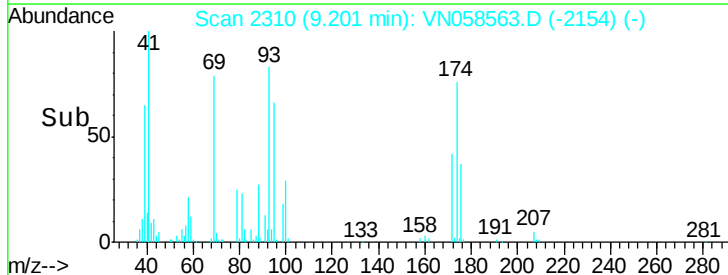
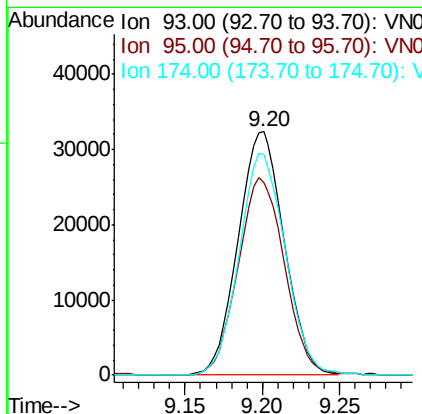
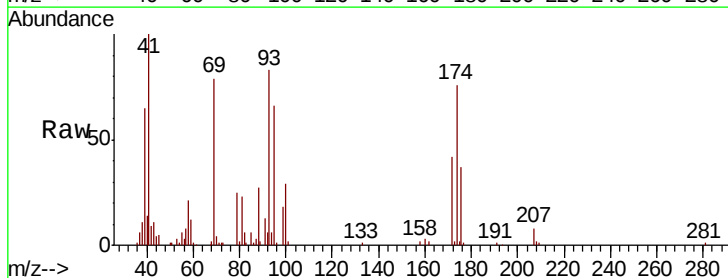
Manual Integrations
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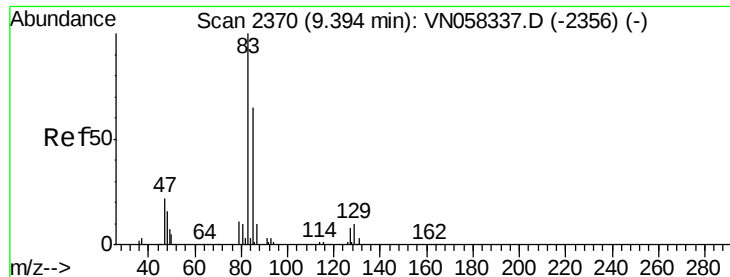
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 10/9/2019 10:50:24 AM



#40
 Dibromomethane
 Concen: 20.228 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	93	Resp	67071
Ion Ratio	93	100	
Lower	95	81.7	0.0
Upper	174	91.2	0.0





#41

Bromodichloromethane

Concen: 20.936 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

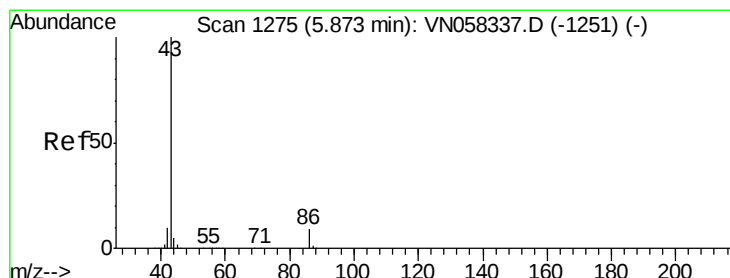
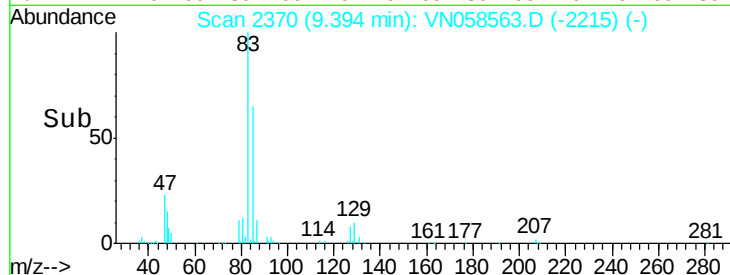
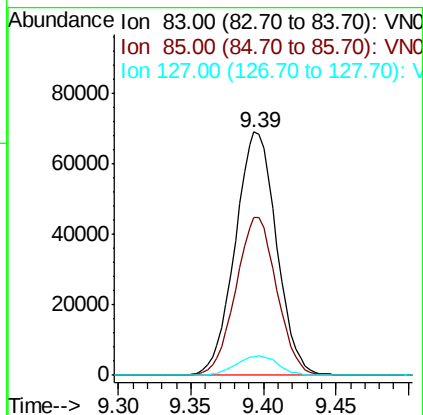
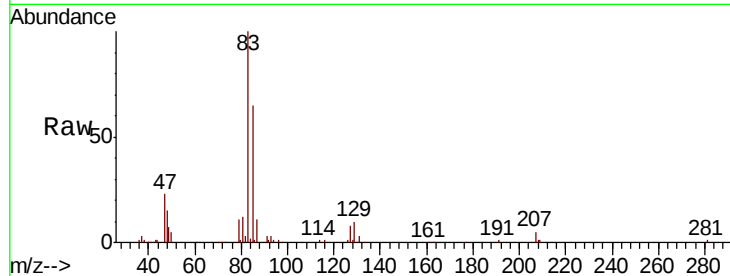
ClientSampleId :

VN1007WBSD01

Tot Ion:	83	Resp:	137210
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0
127	7.8	6.1	9.1

Manual Integrations
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MMDadoda
10/9/2019 10:50:24 AM



#42

Vinyl Acetate

Concen: 111.413 ug/l

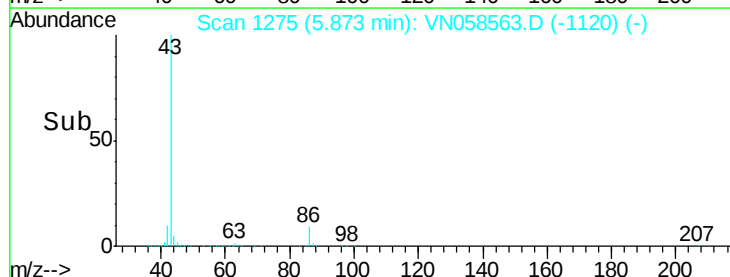
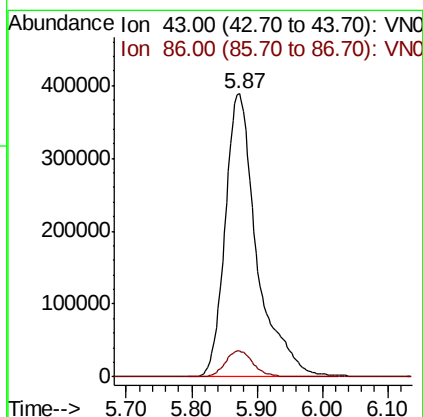
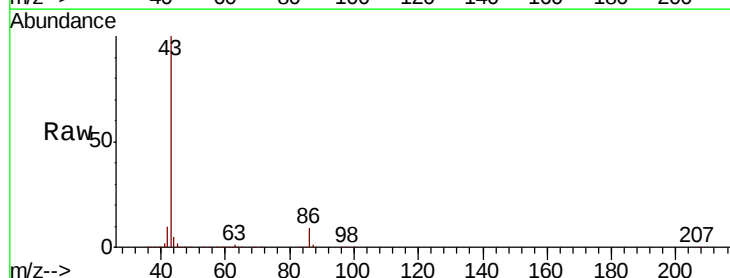
RT: 5.87 min Scan# 1275

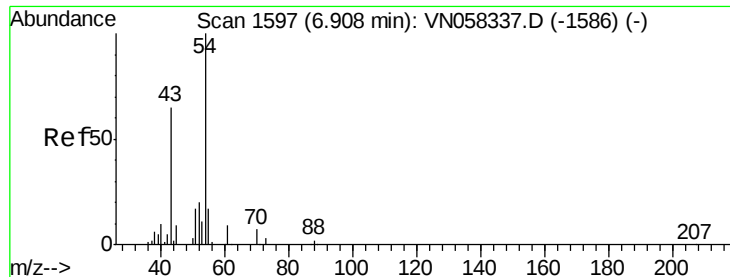
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	43	Resp:	1311422
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	9.8





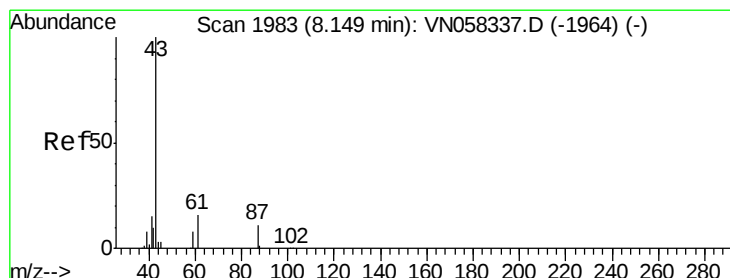
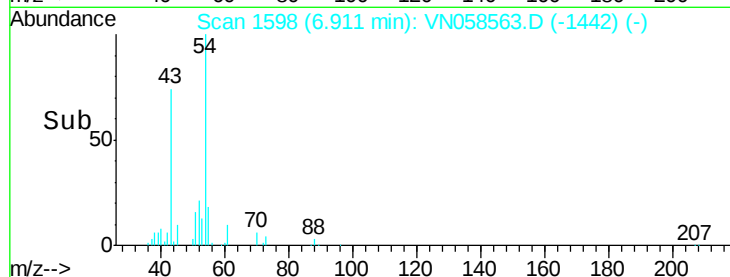
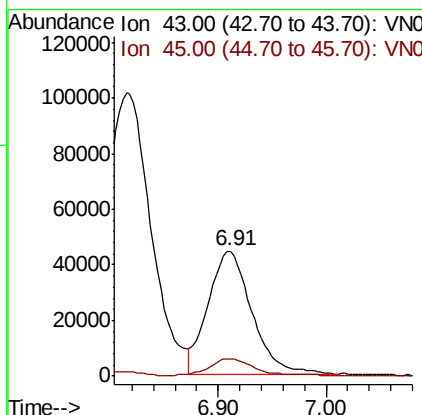
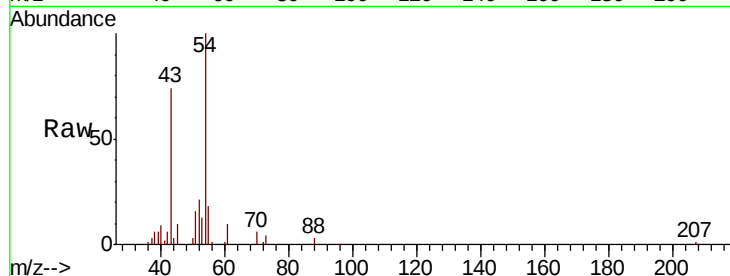
#43
Ethyl Acetate
Concen: 20.437 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	43	45	Ratio	Lower	Upper
125096	100	13.2		9.8	14.6

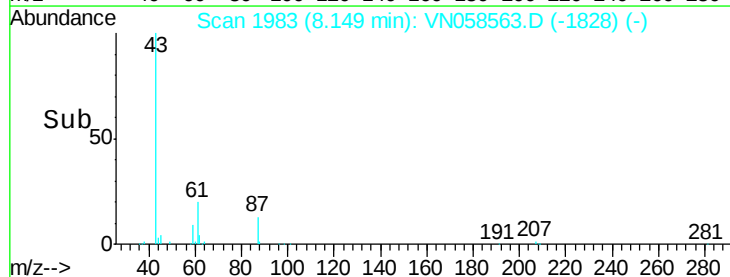
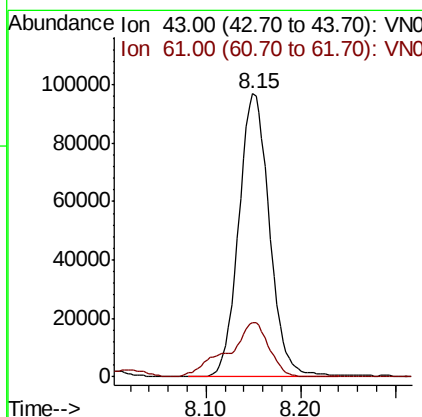
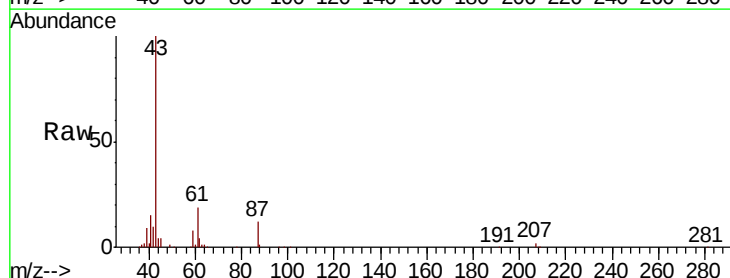
Manual Integrations
APPROVED

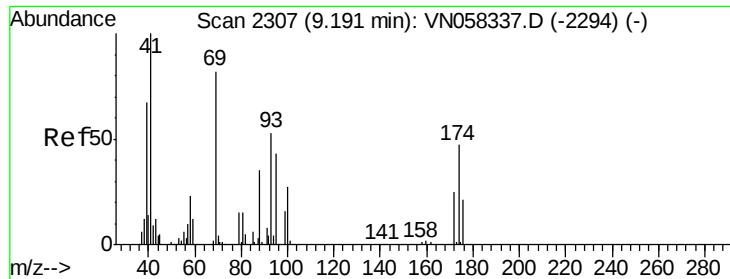
MMDadoda
10/9/2019 10:50:24 AM



#44
Isopropyl Acetate
Concen: 19.997 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	43	61	Ratio	Lower	Upper
219110	100	18.2		14.4	21.6





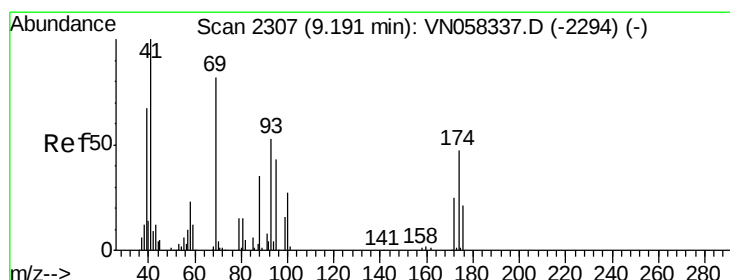
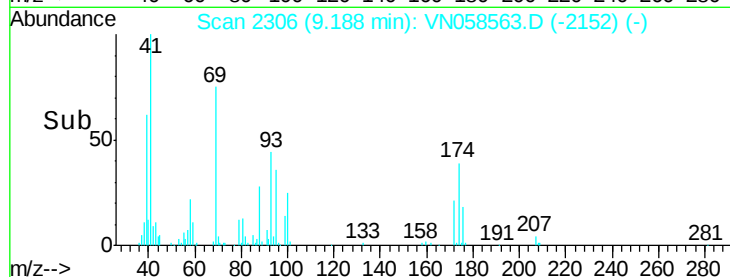
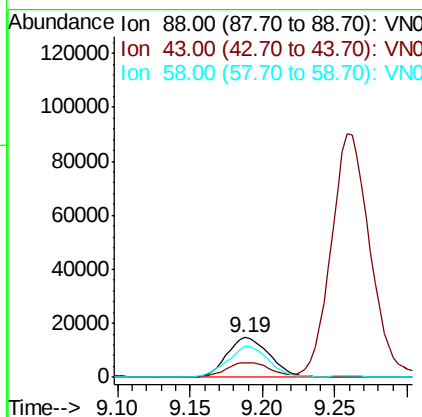
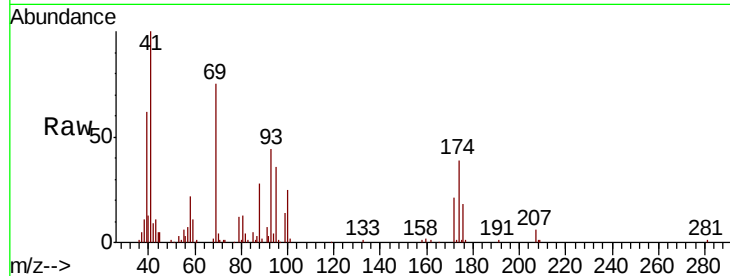
#45
 1,4-Dioxane
 Concen: 329.529 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	88	Resp	30461
Ion Ratio	Lower	Upper	
88	100		
43	36.7	27.2	40.8
58	75.3	55.4	83.0

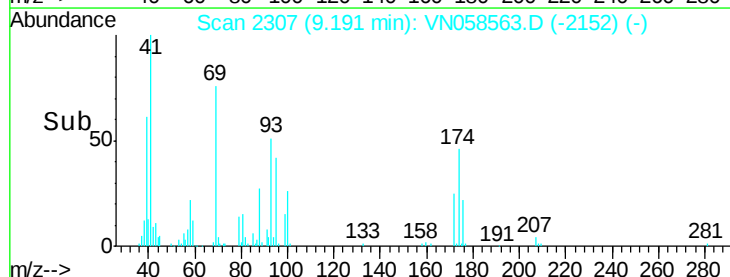
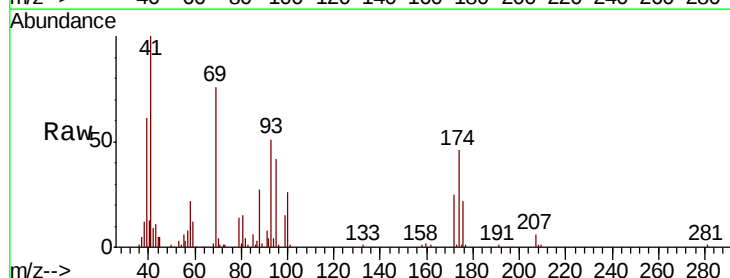
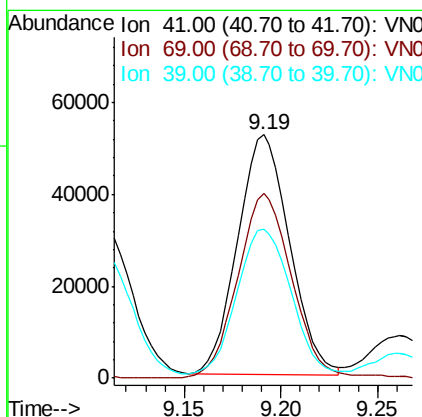
Manual Integrations
 APPROVED

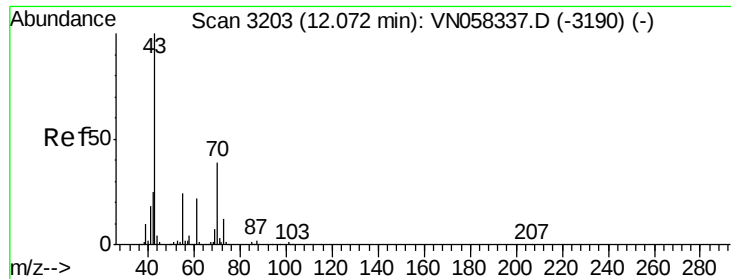
MMDadoda
 10/9/2019 10:50:24 AM



#46
 Methyl methacrylate
 Concen: 18.689 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	41	Resp	97051
Ion Ratio	Lower	Upper	
41	100		
69	76.8	40.9	122.7
39	60.8	33.6	100.6





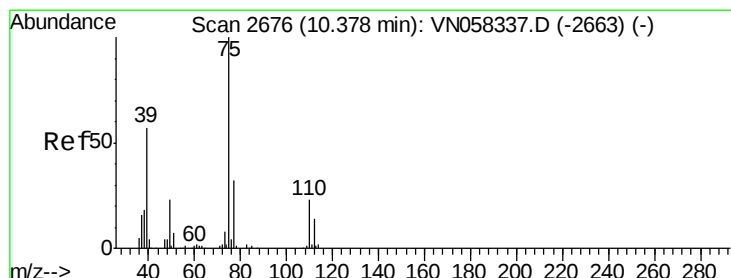
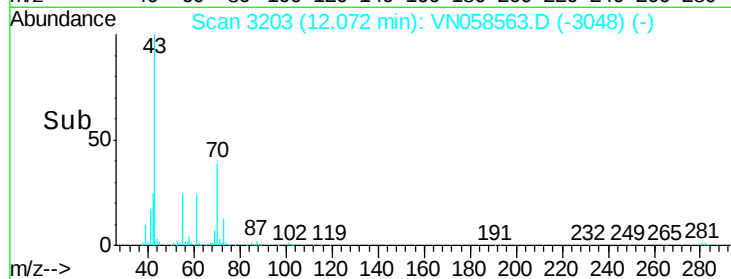
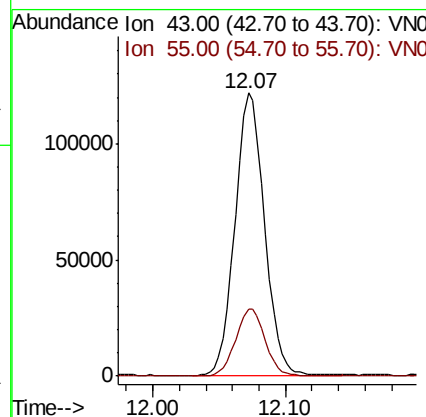
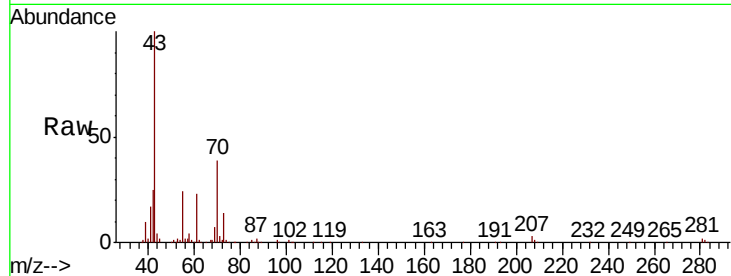
#47
n-amvl Acetate
Concen: 19.674 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion: 43 Resp: 187639
Ion Ratio Lower Upper
43 100
55 23.9 19.0 28.4

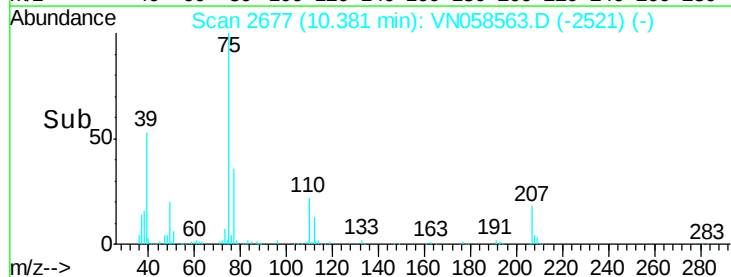
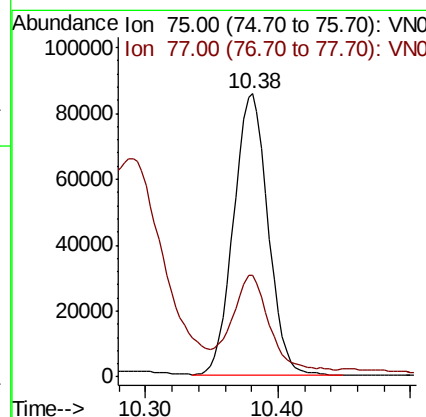
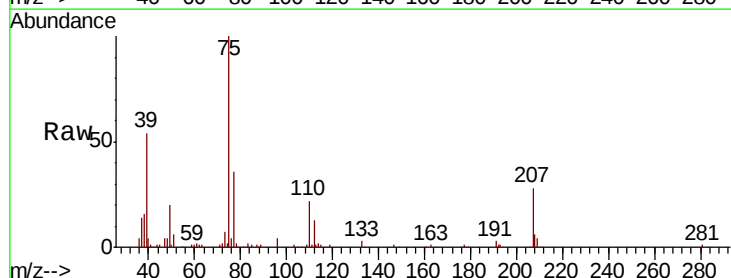
Manual Integrations
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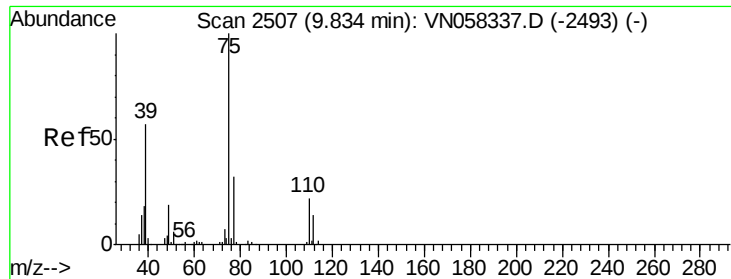
MMDadoda
10/9/2019 10:50:24 AM



#48
t-1,3-Dichloropropene
Concen: 21.610 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 75 Resp: 154756
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.0





#49

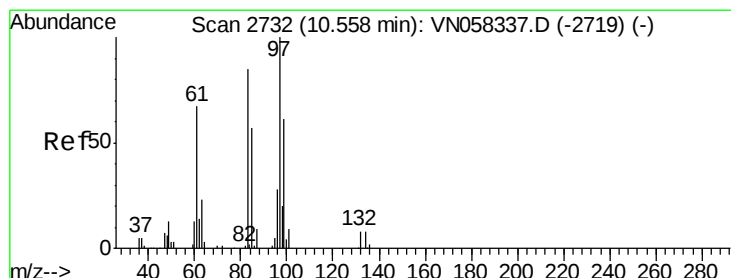
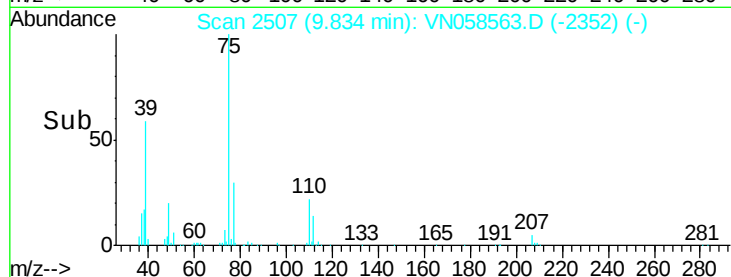
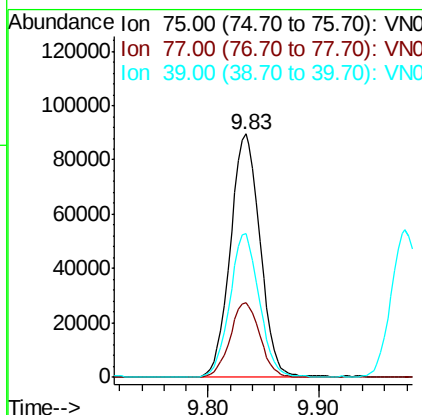
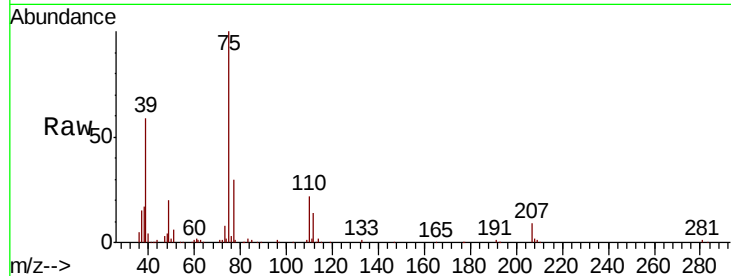
cis-1,3-Dichloropropene
 Concen: 20.999 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8
39	58.9	45.8	68.6

Manual Integrations
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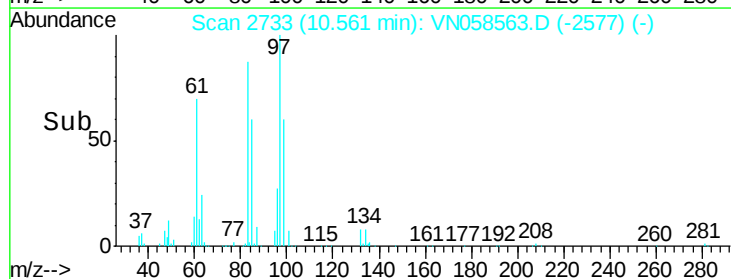
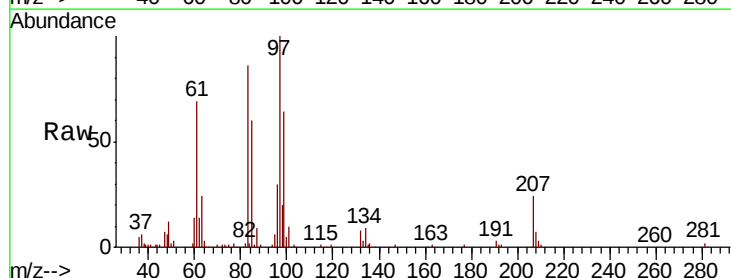
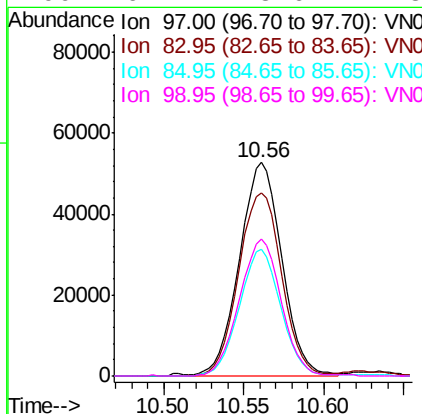
MMDadoda
 10/9/2019 10:50:24 AM

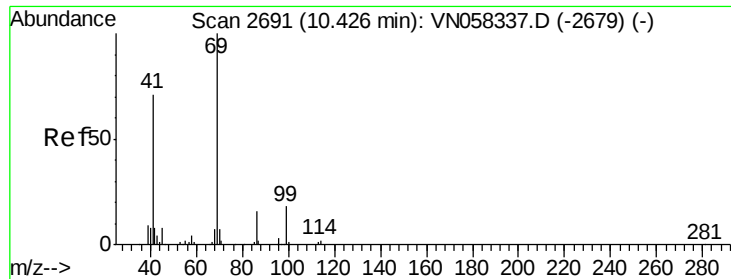


#50

1,1,2-Trichloroethane
 Concen: 20.691 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.8	101.6
85	59.9	45.8	68.6
99	64.2	48.6	72.8





#51

Ethyl methacrylate

Concen: 18.918 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

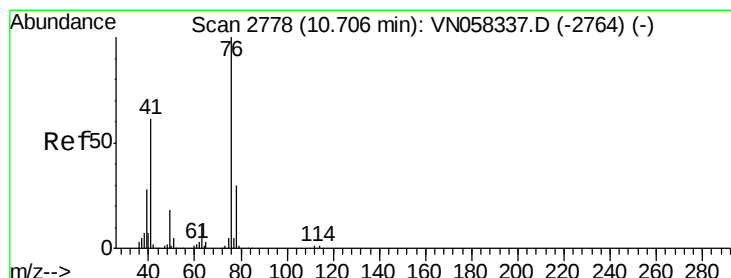
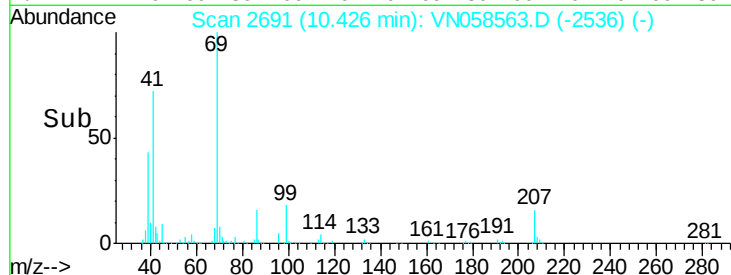
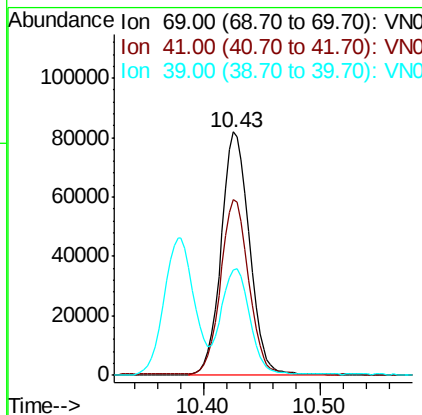
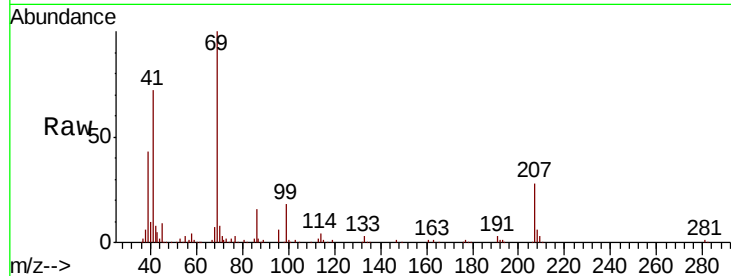
ClientSampleId :

VN1007WBSD01

Tot Ion:	69	Resp:	138706
Ion	Ratio	Lower	Upper
69	100		
41	71.6	35.4	106.1
39	42.8	23.5	70.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.445 ug/l

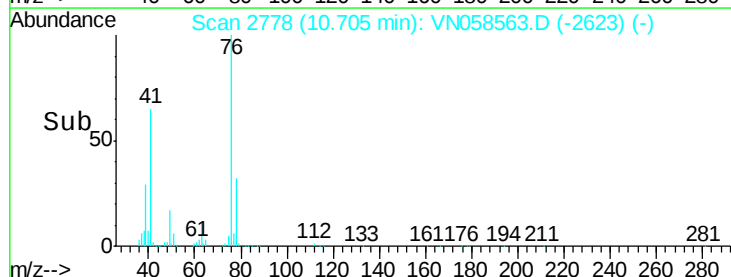
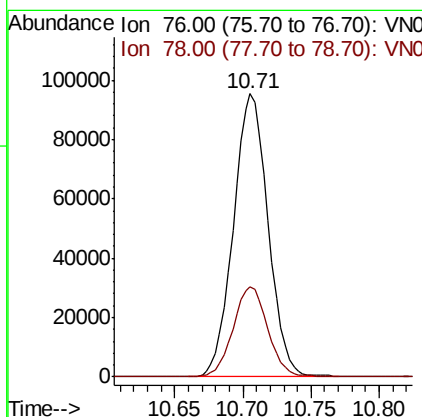
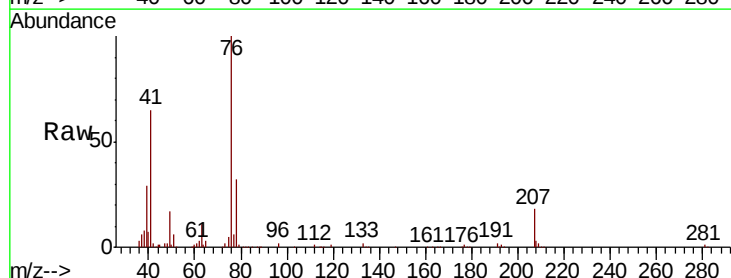
RT: 10.71 min Scan# 2778

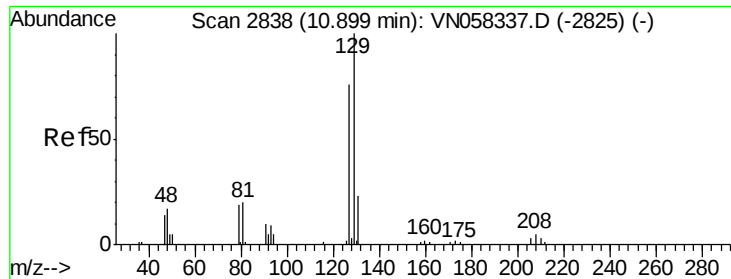
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	76	Resp:	168267
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.0





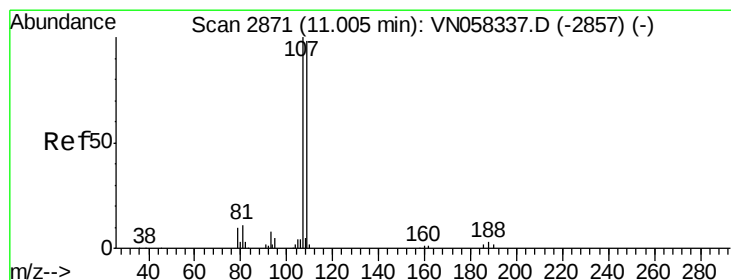
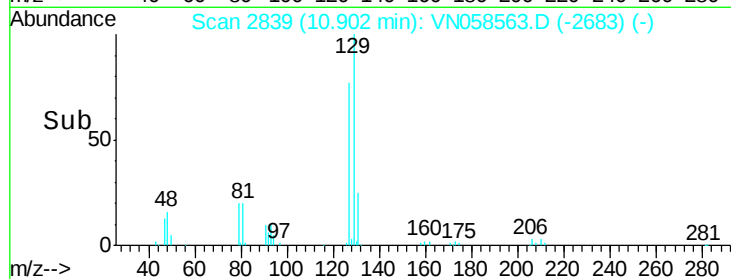
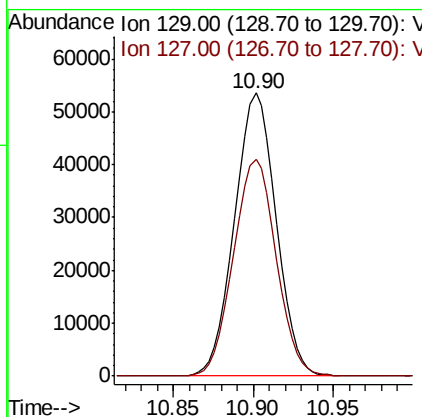
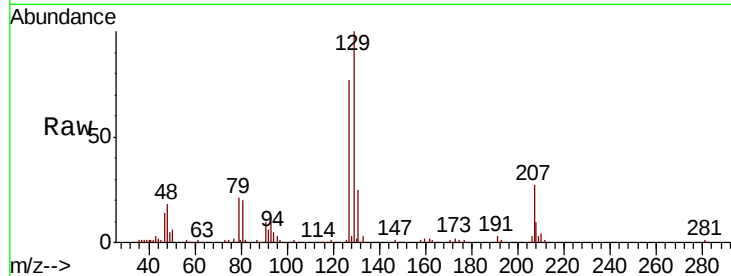
#53
Dibromochloromethane
Concen: 20.425 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion:129 Resp: 95086
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2

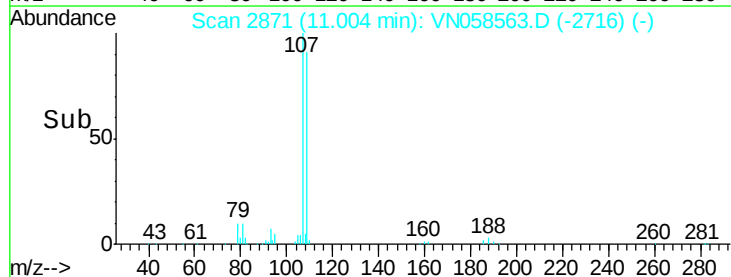
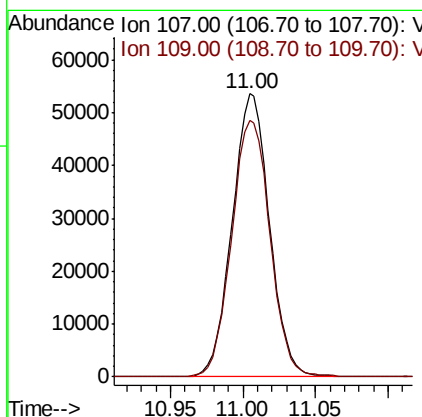
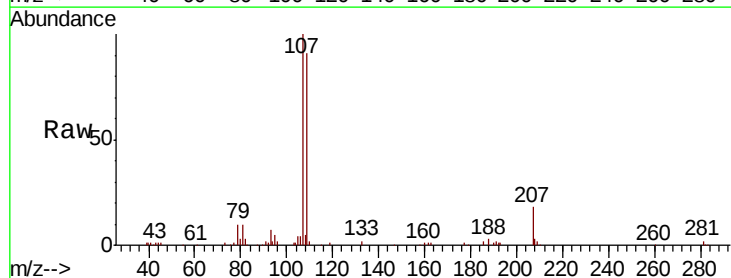
Manual Integrations
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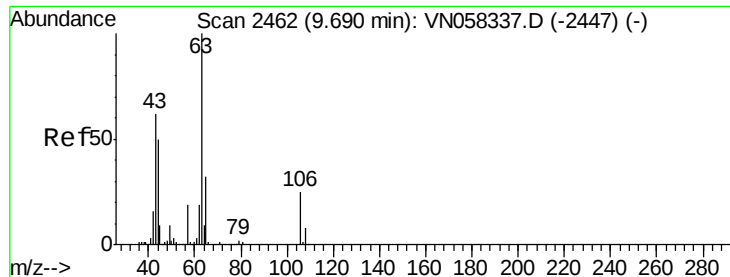
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#54
1,2-Dibromoethane
Concen: 20.240 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion:107 Resp: 95716
Ion Ratio Lower Upper
107 100
109 93.5 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 111.759 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

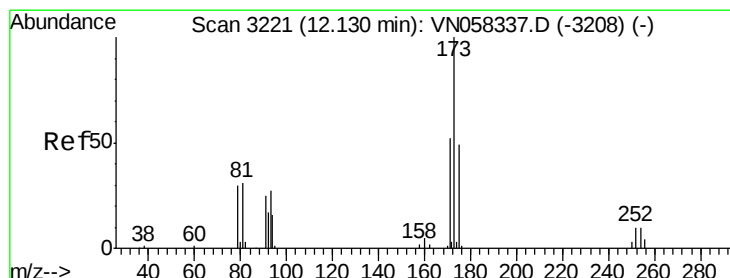
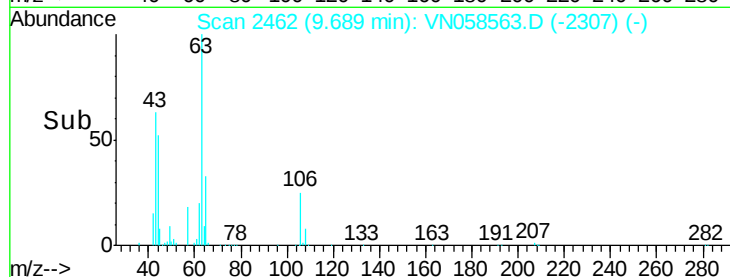
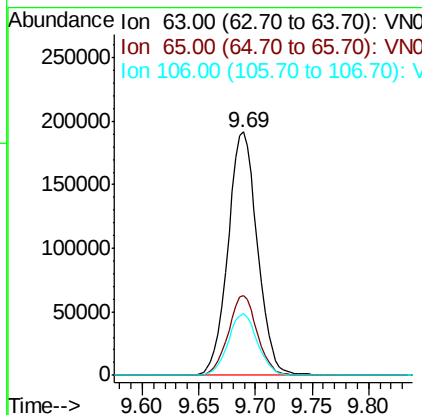
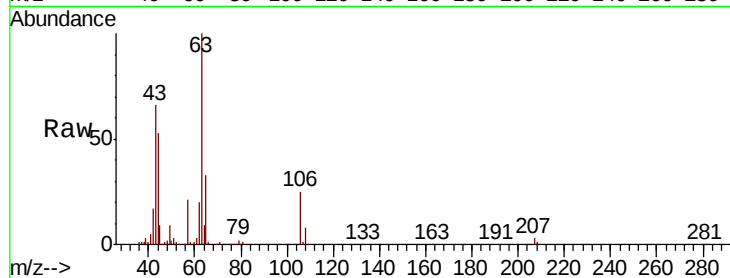
ClientSampleId :

VN1007WBSD01

Tot Ion:	63	Resp:	346957
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.4	38.2
106	25.4	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 20.668 ug/l

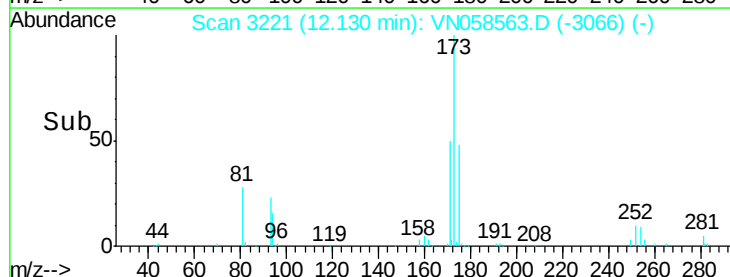
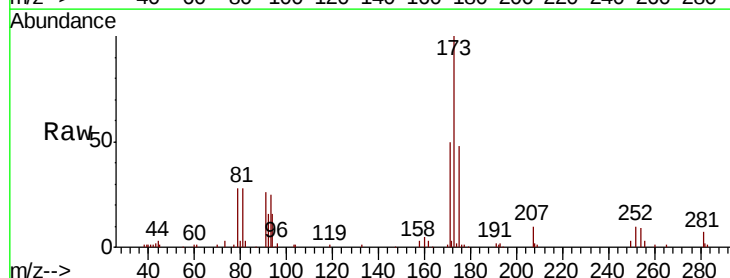
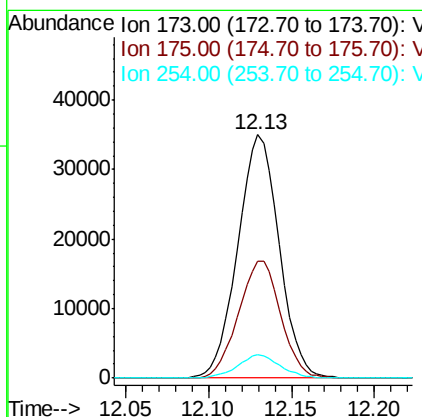
RT: 12.13 min Scan# 3221

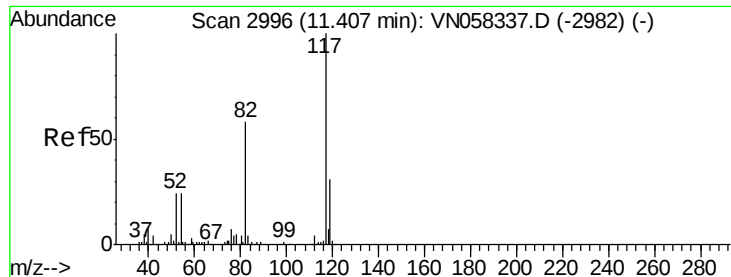
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	173	Resp:	60691
Ion Ratio	Lower	Upper	
173	100		
175	48.9	38.8	58.2
254	9.8	7.8	11.8





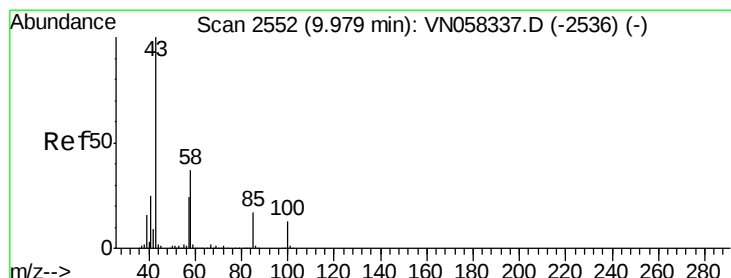
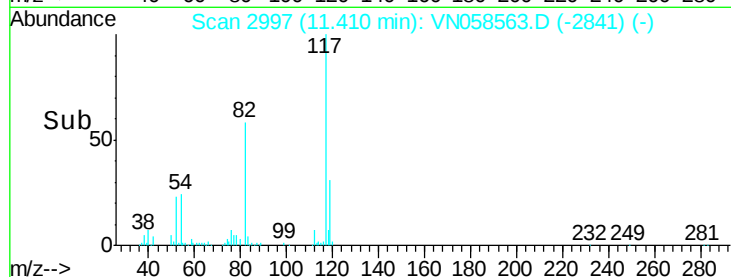
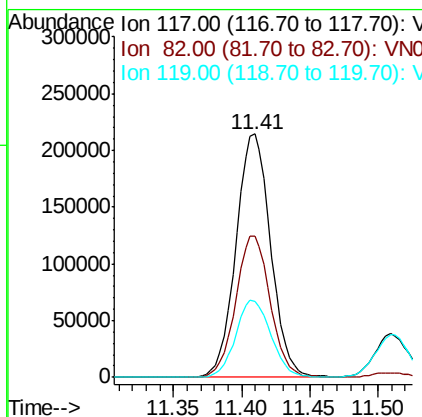
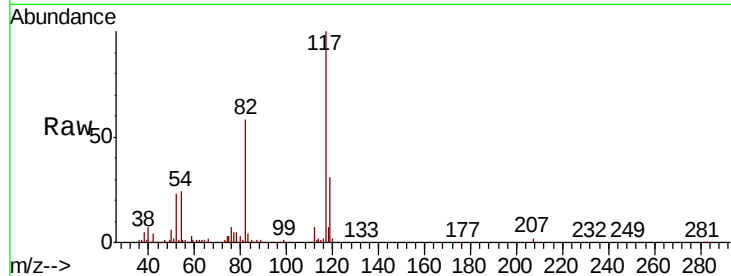
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378226		
82	57.8	46.4	69.6	
119	32.4	25.1	37.7	

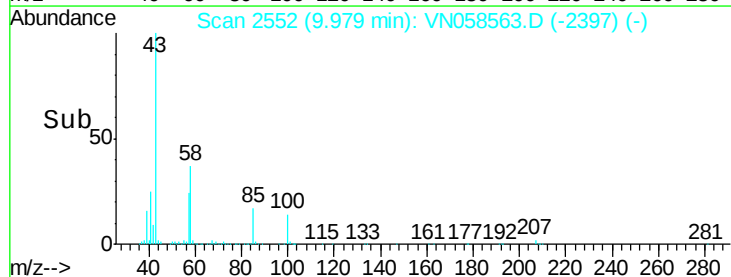
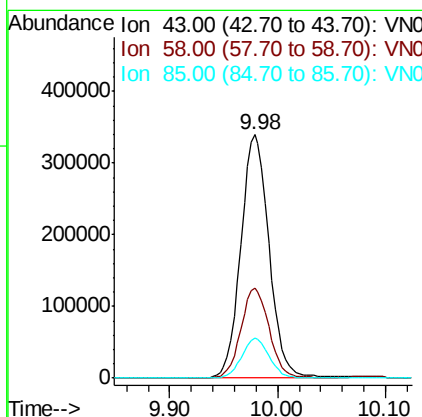
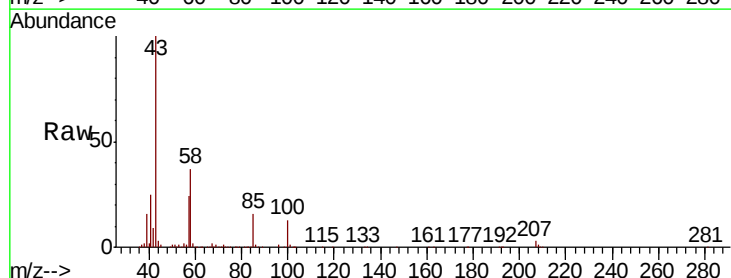
Manual Integrations
APPROVED

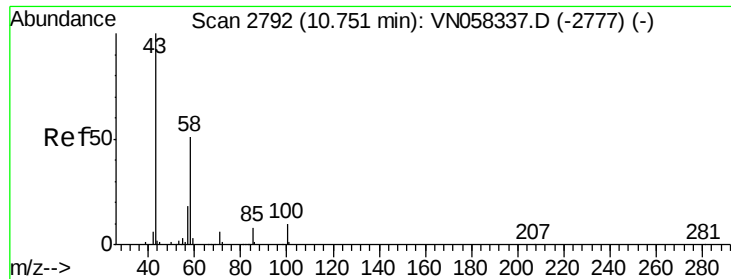
MMDadoda
10/9/2019 10:50:24 AM



#58
4-Methyl-2-Pentanone
Concen: 104.285 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	618030		
58	37.2	29.3	43.9	
85	16.1	13.1	19.7	





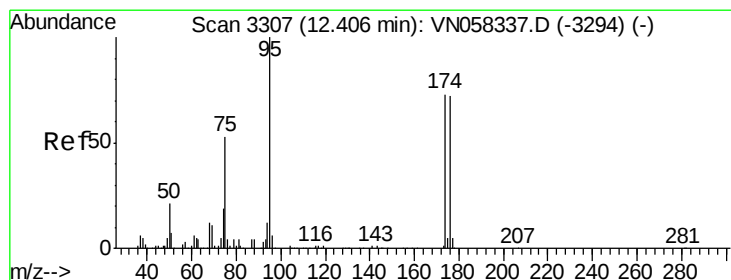
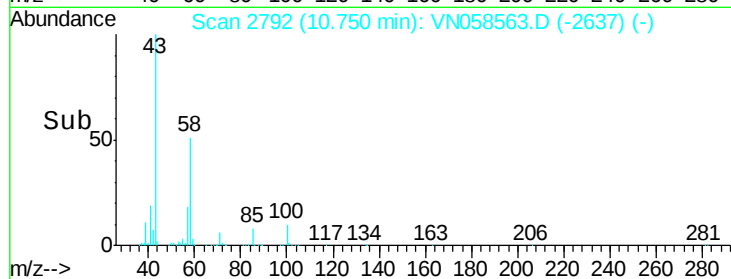
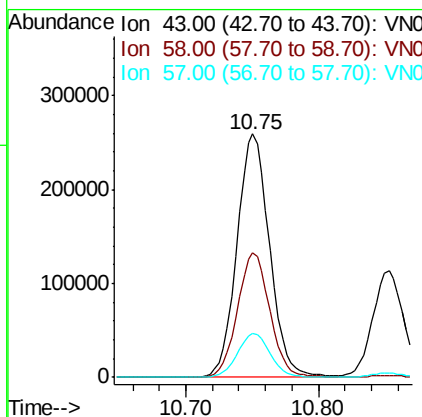
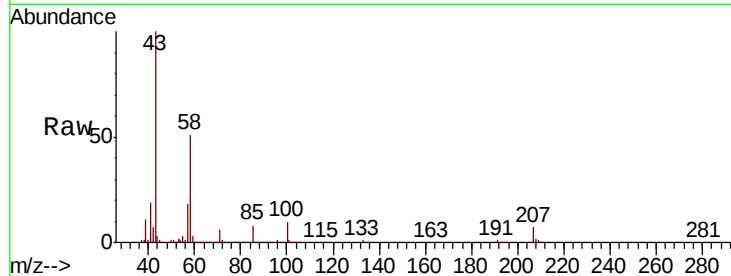
#59
2-Hexanone
Concen: 98.201 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion:	43	Resp:	439967
Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.7	61.1
57	18.3	14.7	22.1

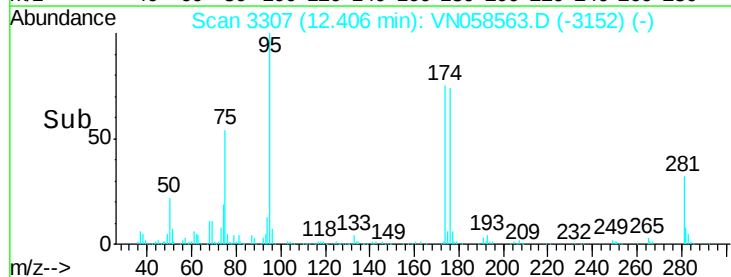
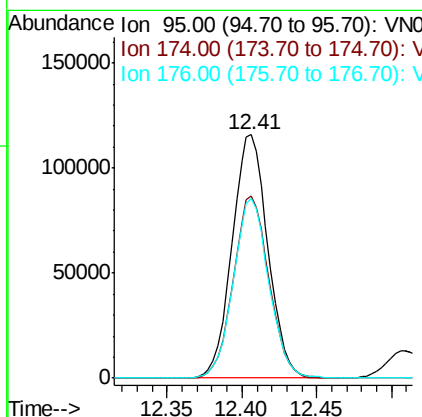
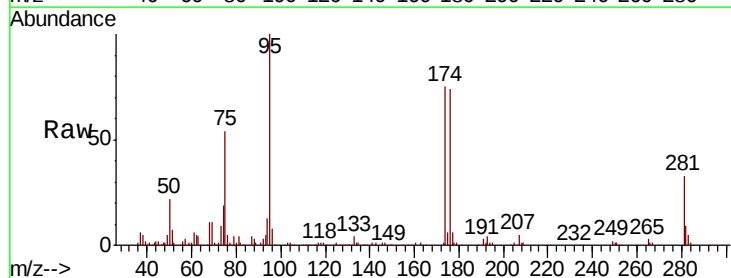
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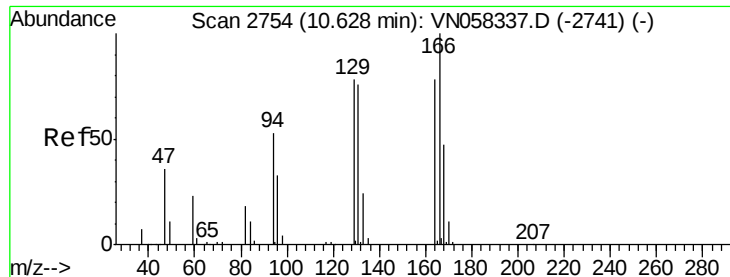
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.386 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion:	95	Resp:	192315
Ion	Ratio	Lower	Upper
95	100		
174	74.7	59.0	88.6
176	73.5	58.2	87.2





#61

Tetrachloroethene

Concen: 21.589 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion:164 Resp: 85548

Ion Ratio Lower Upper

164 100

166 126.5 102.6 154.0

129 98.8 79.8 119.6

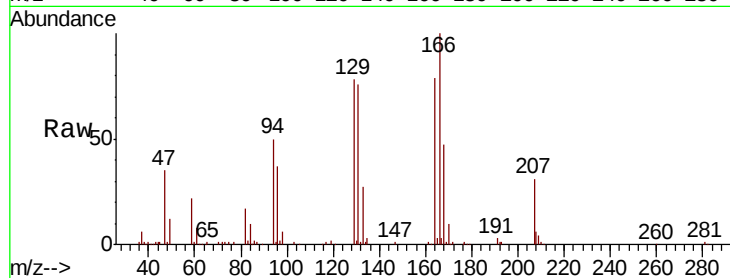
131 95.7 78.1 117.1

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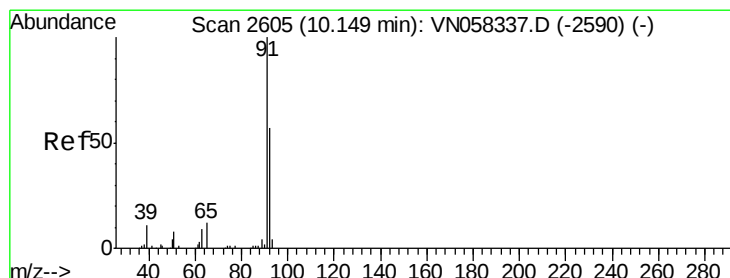
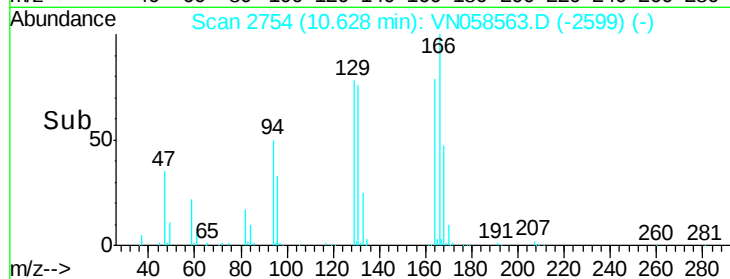
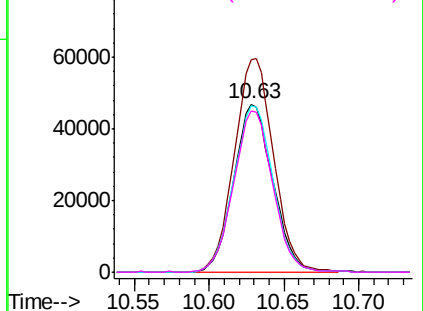


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.324 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058563.D

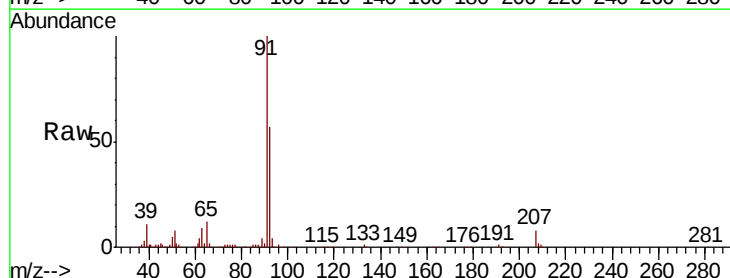
Acq: 7 Oct 2019 13:40

Tgt Ion: 91 Resp: 421005

Ion Ratio Lower Upper

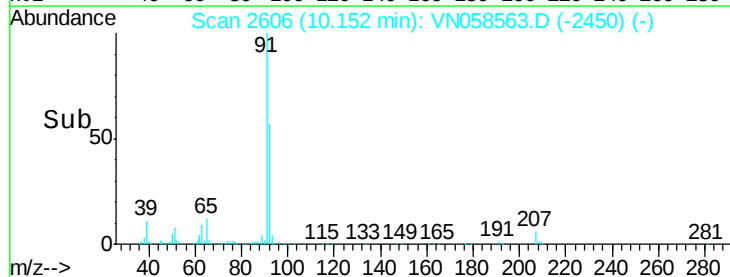
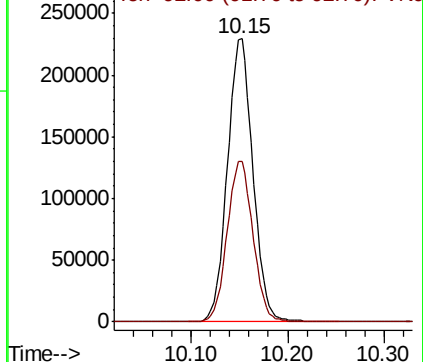
91 100

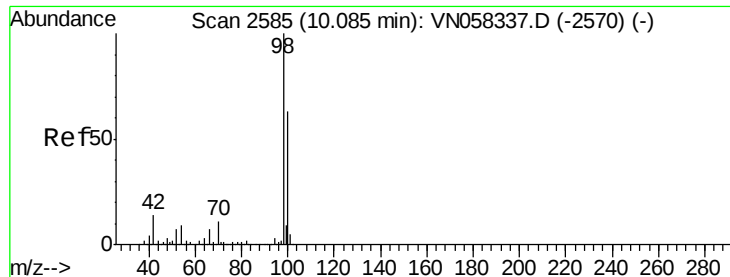
92 57.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.451 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 98 Resp: 531604

Ion Ratio Lower Upper

98 100

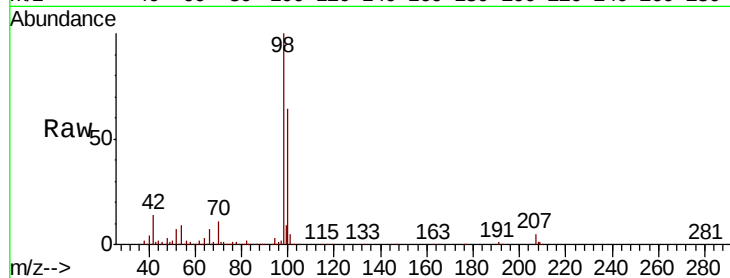
100 64.3 50.2 75.2

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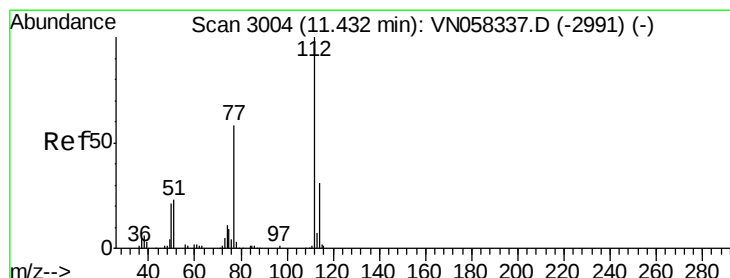
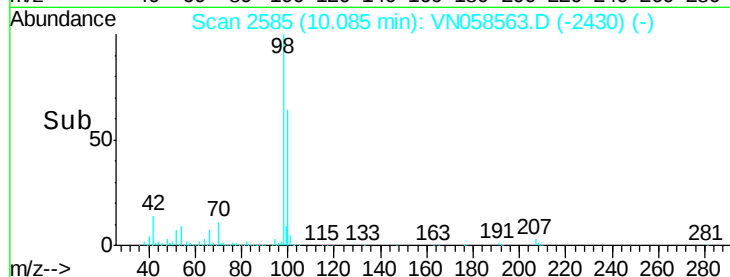
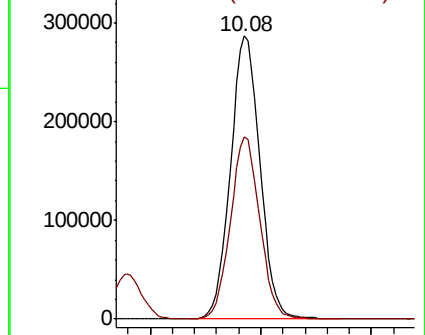
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Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)



#64

Chlorobenzene

Concen: 20.069 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058563.D

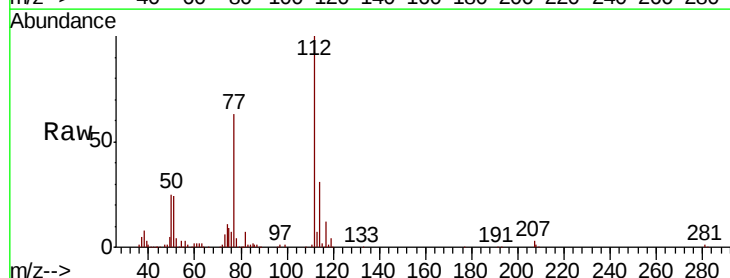
Acq: 7 Oct 2019 13:40

Tgt Ion: 112 Resp: 255471

Ion Ratio Lower Upper

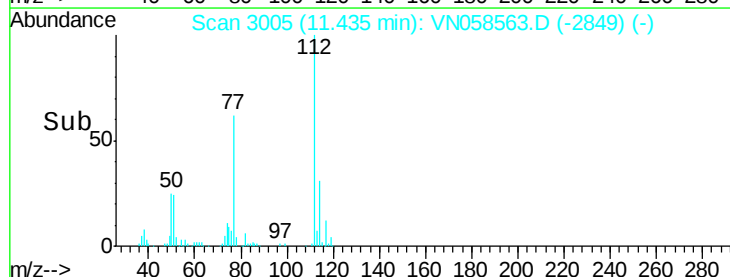
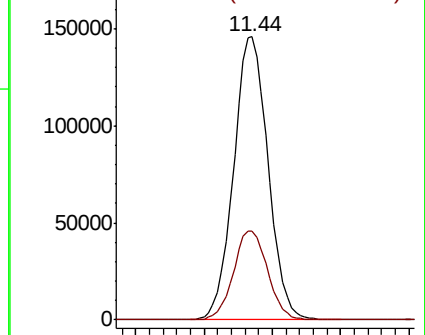
112 100

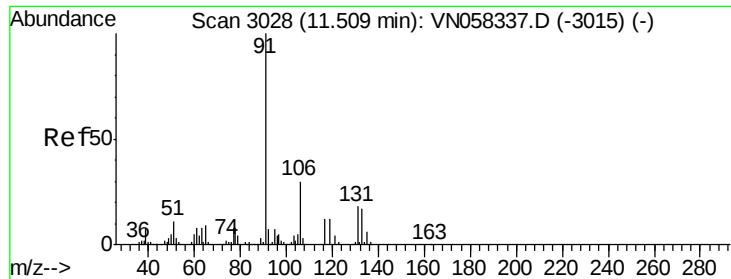
114 31.2 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN058337.D (-2991) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 21.002 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

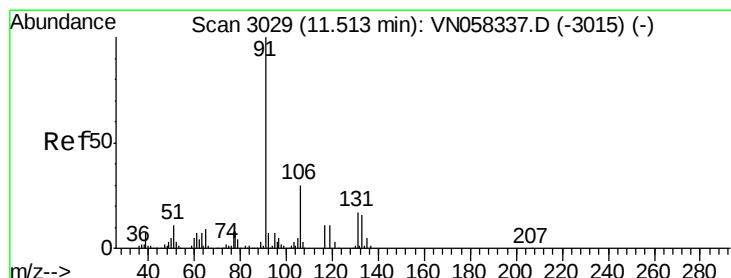
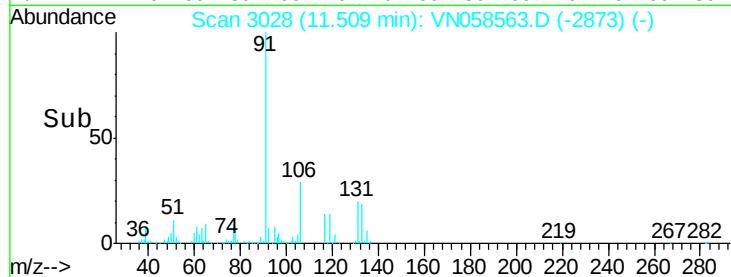
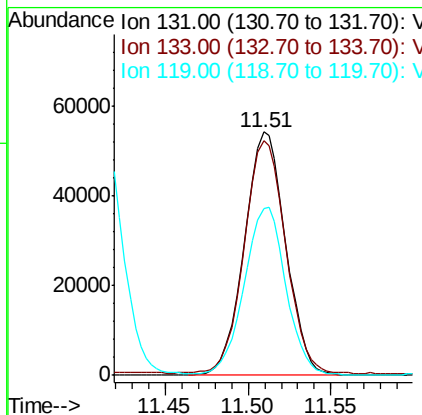
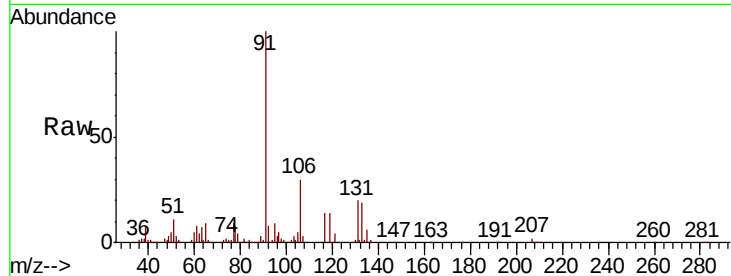
ClientSampleId :

VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	191.8
119	69.3	0.0	134.2

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#66

Ethyl Benzene

Concen: 20.822 ug/l

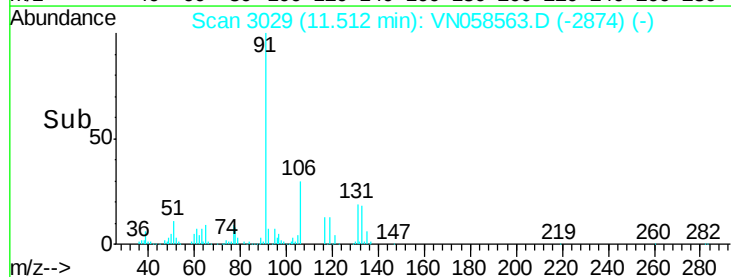
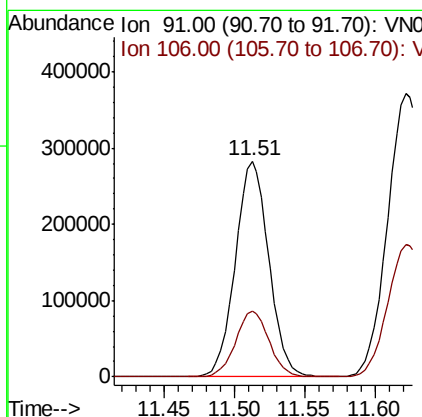
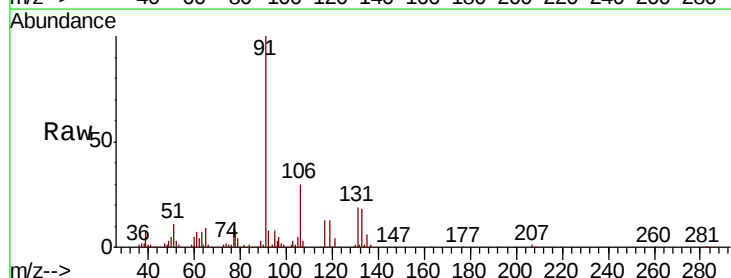
RT: 11.51 min Scan# 3029

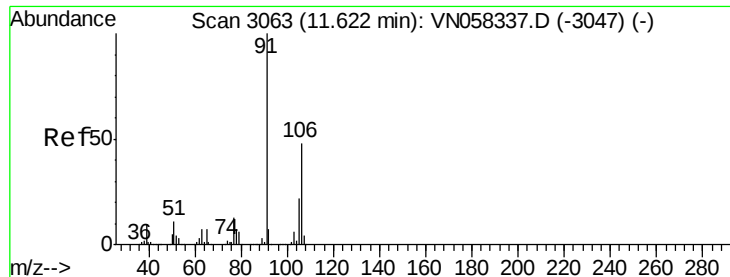
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4





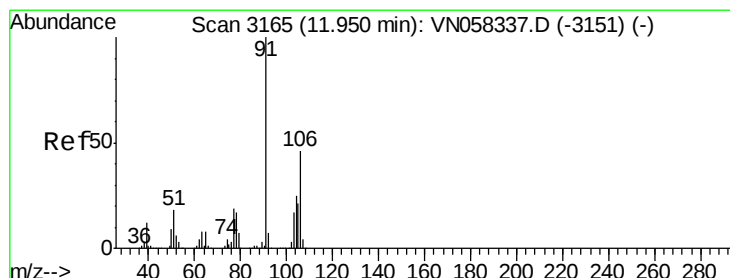
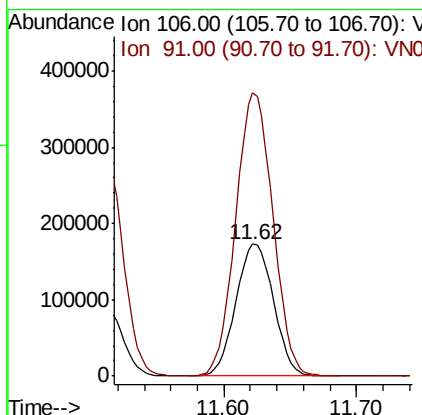
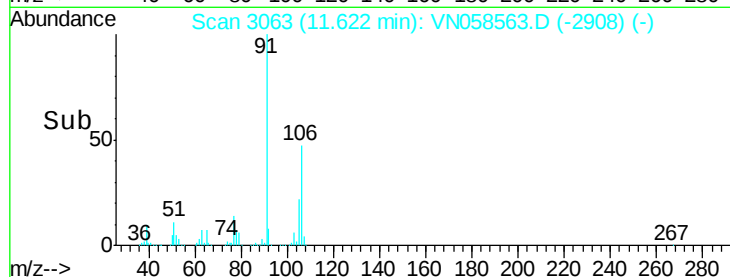
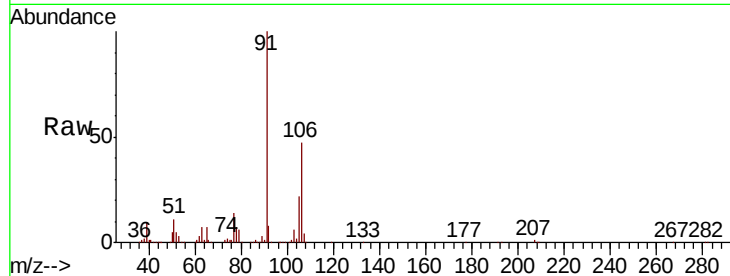
#67
m/p-Xylenes
Concen: 39.425 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion:106 Resp: 341888
Ion Ratio Lower Upper
106 100
91 211.3 167.8 251.6

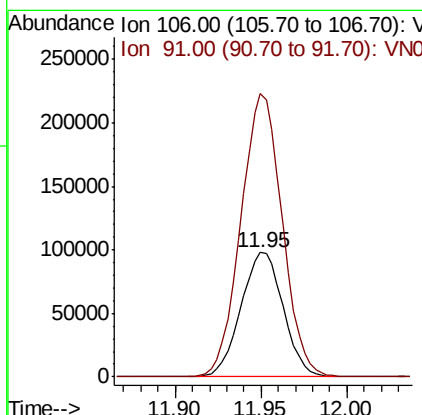
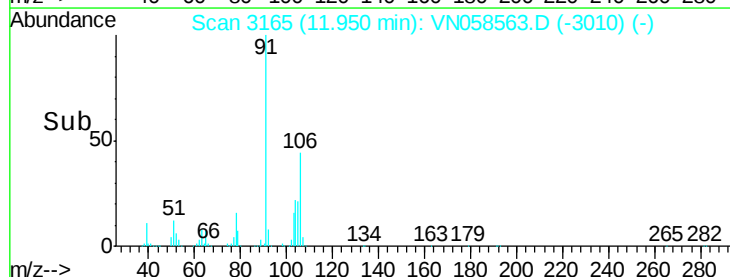
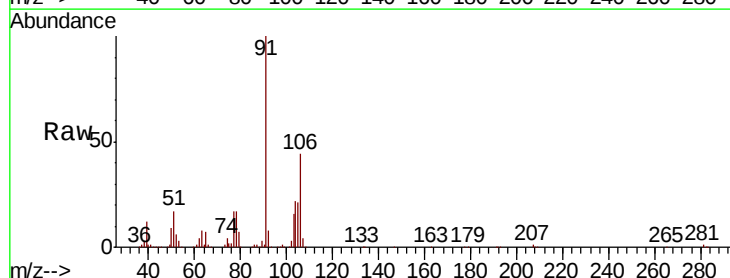
Manual Integrations
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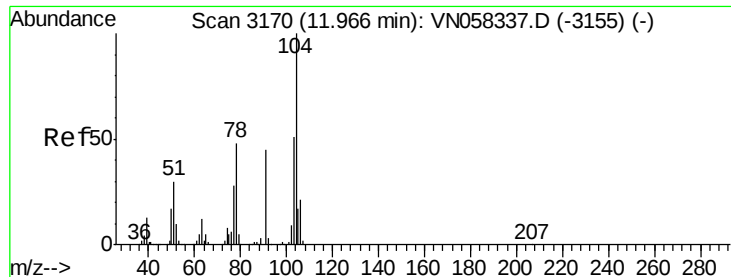
MMDadoda
10/9/2019 10:50:24 AM



#68
o-Xylene
Concen: 19.868 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion:106 Resp: 167531
Ion Ratio Lower Upper
106 100
91 222.8 108.7 325.9





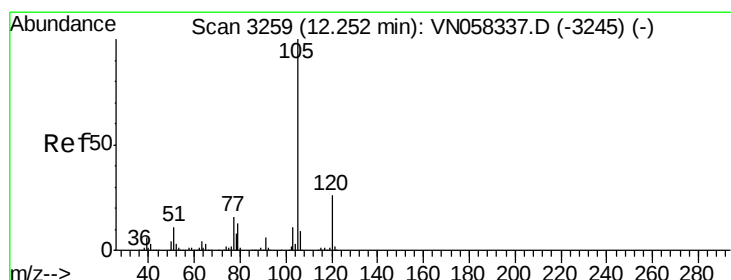
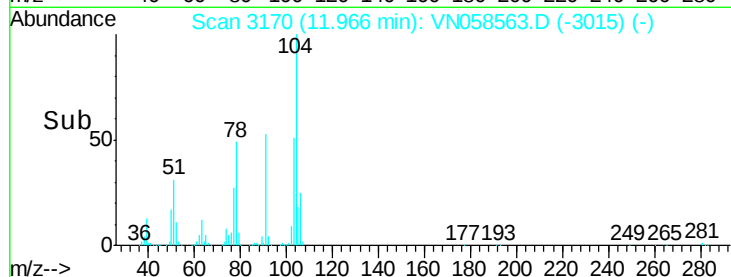
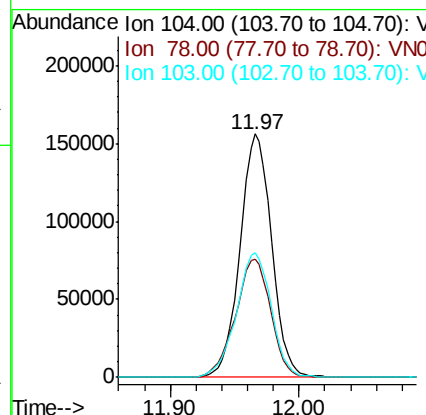
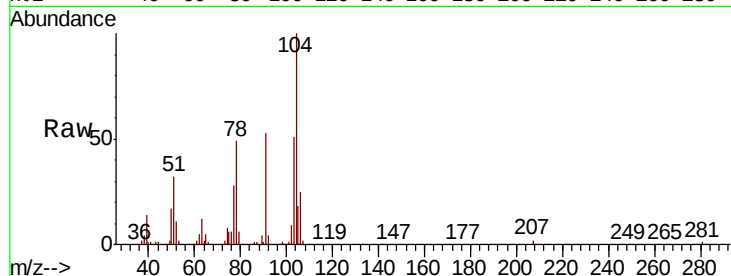
#69
Stvrene
Concen: 18.875 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.3	63.5
103	56.3	44.1	66.1

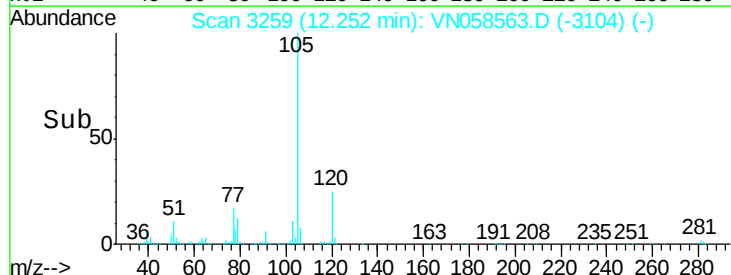
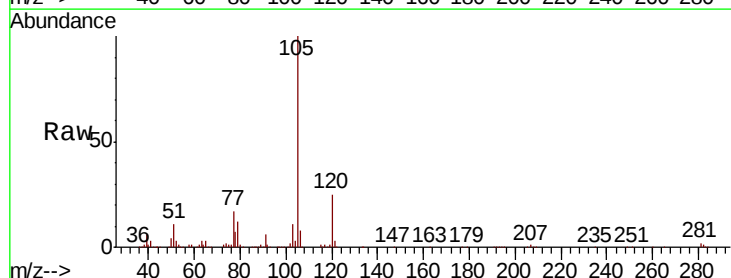
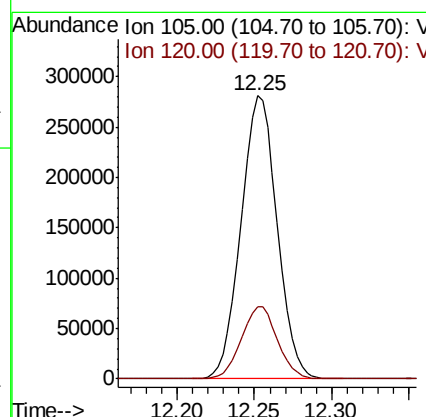
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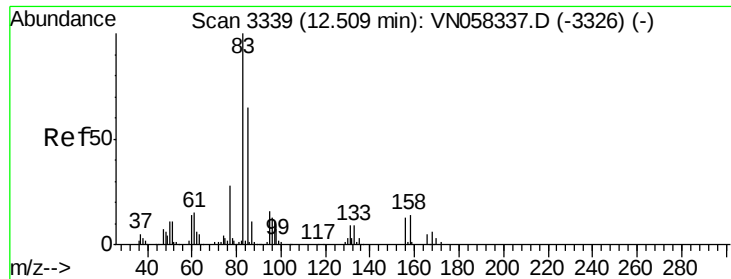
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10/9/2019 10:50:24 AM



#70
Isopropylbenzene
Concen: 20.862 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.2	33.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.552 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

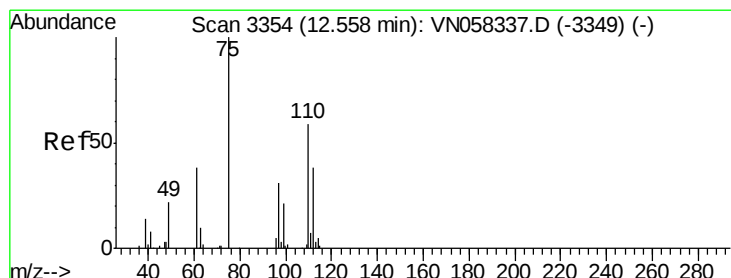
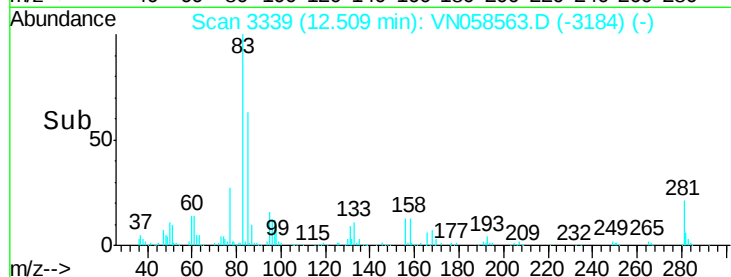
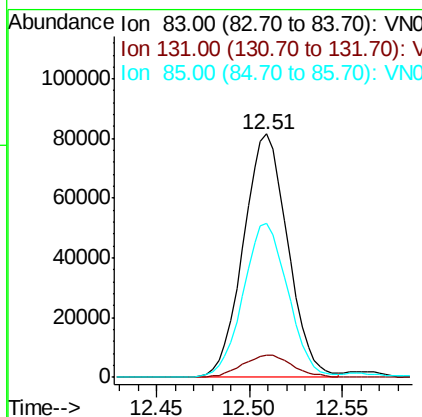
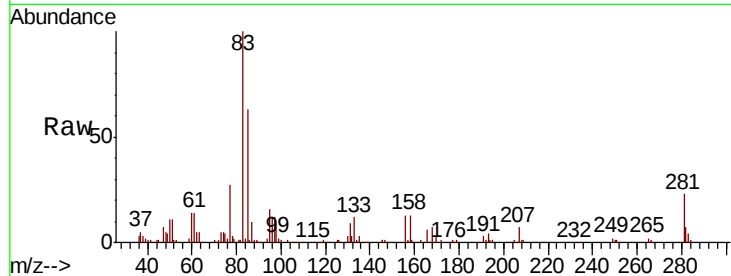
ClientSampleId :

VN1007WBSD01

Tot Ion:	83	Resp:	135787
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.8	14.3
85	63.5	32.6	97.7

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#72

1,2,3-Trichloropropane

Concen: 23.593 ug/l m

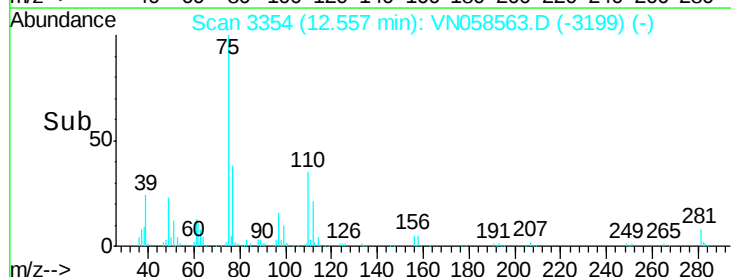
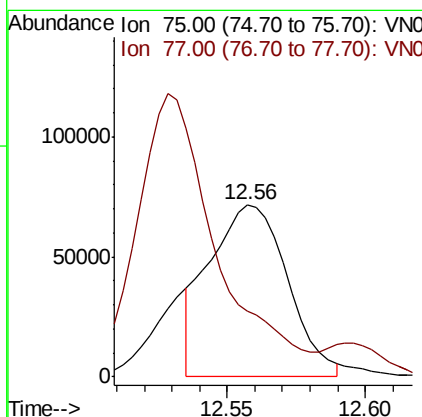
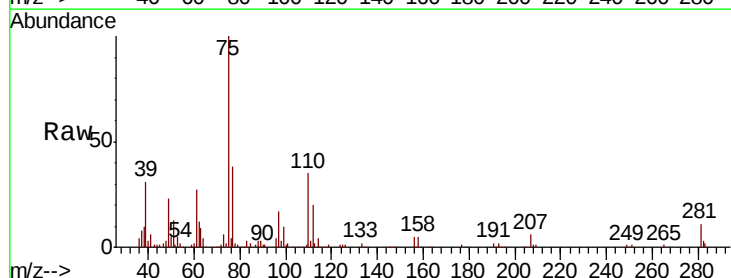
RT: 12.56 min Scan# 3354

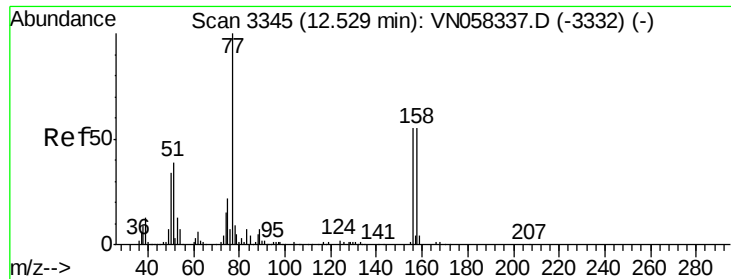
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	75	Resp:	140916
Ion Ratio	Lower	Upper	
75	100		
77	167.6	0.0	382.4





#73

Bromobenzene

Concen: 19.873 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

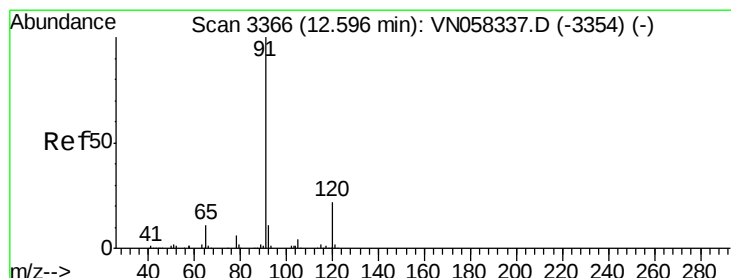
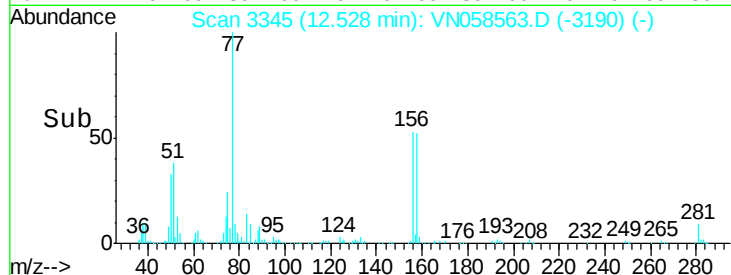
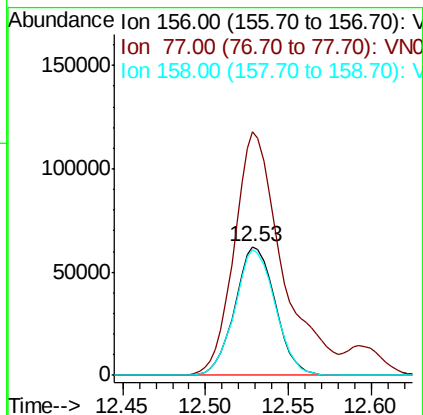
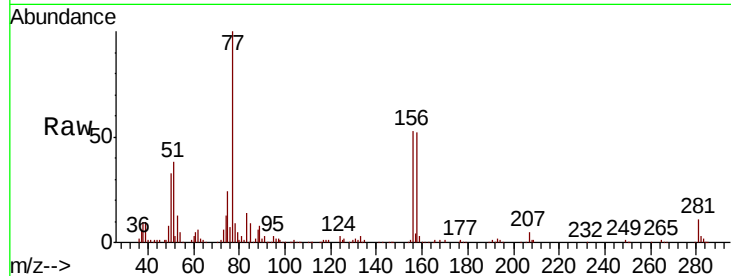
ClientSampleId :

VN1007WBSD01

Tot Ion:	156	Resp:	105185
Ion Ratio	Lower	Upper	
156	100		
77	224.5	0.0	438.8
158	98.0	0.0	195.6

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#74

n-propylbenzene

Concen: 20.934 ug/l

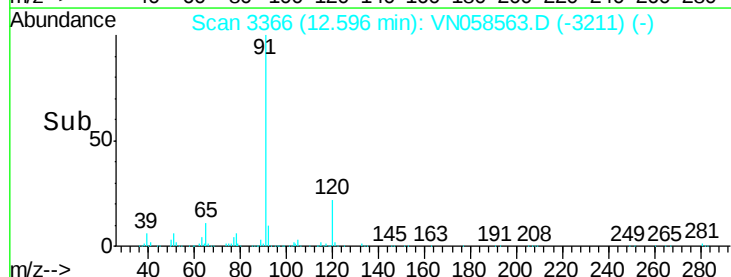
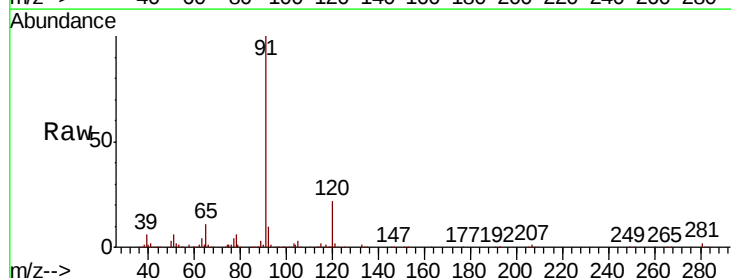
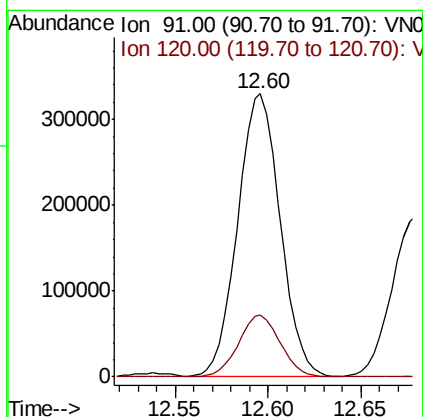
RT: 12.60 min Scan# 3366

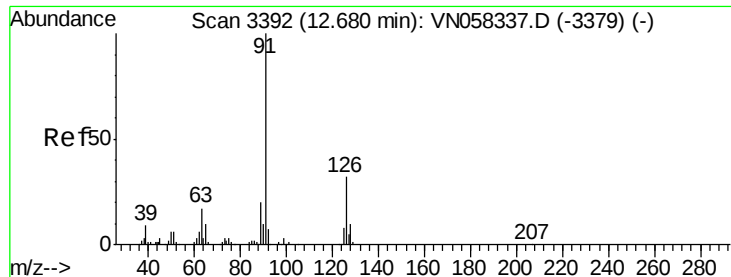
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	91	Resp:	527357
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	44.0





#75

2-Chlorotoluene

Concen: 19.813 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN1007WBSD01

Tot Ion: 91 Resp: 312216

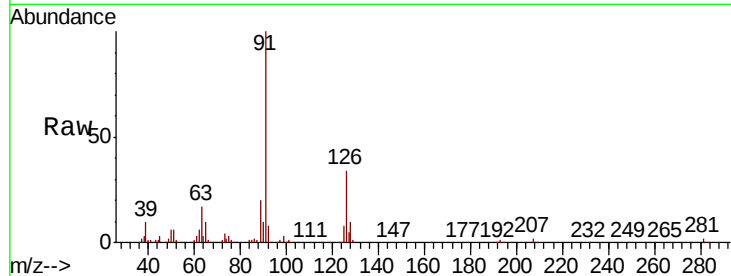
Ion Ratio Lower Upper

91 100

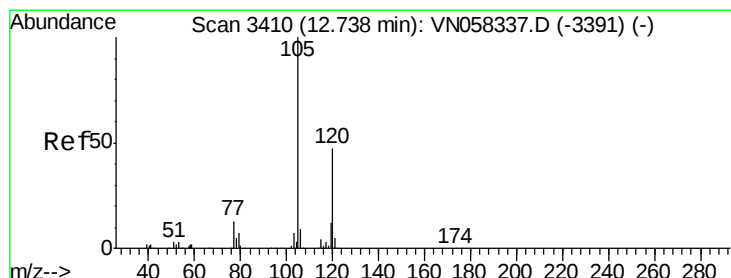
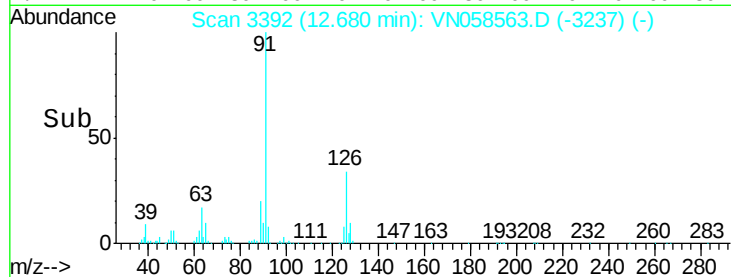
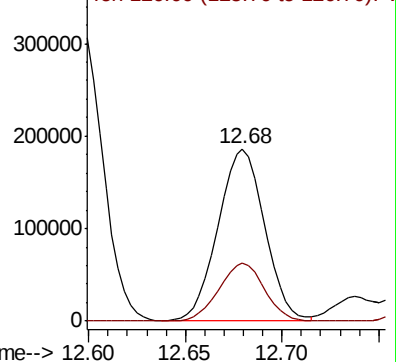
126 33.1 0.0 65.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.262 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058563.D

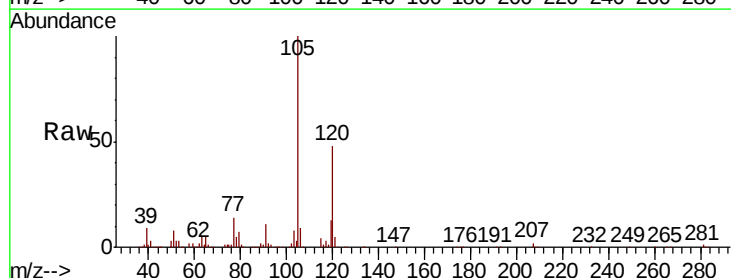
Acq: 7 Oct 2019 13:40

Tgt Ion: 105 Resp: 381246

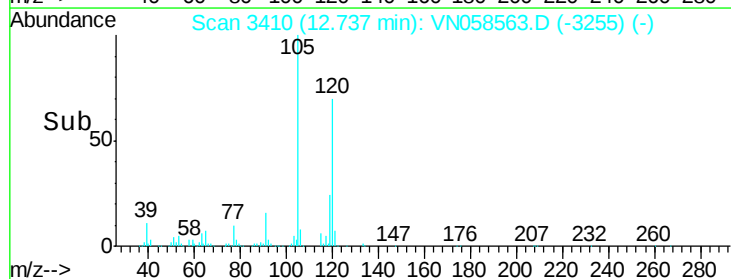
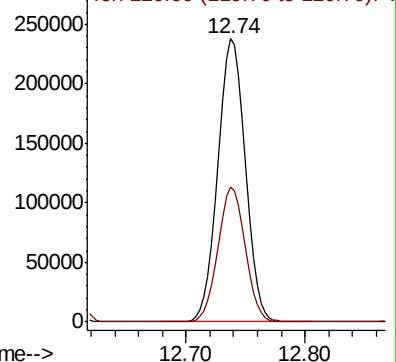
Ion Ratio Lower Upper

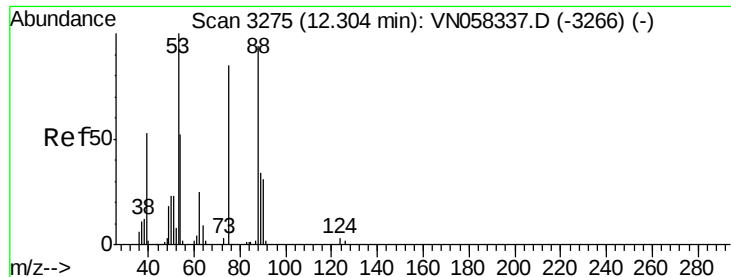
105 100

120 46.9 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058563.D (-3255) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.580 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 75 Resp: 36199

Ion Ratio Lower Upper

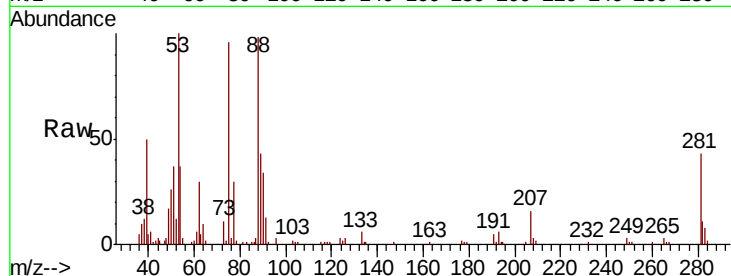
75 100

53 106.3 59.0 176.8

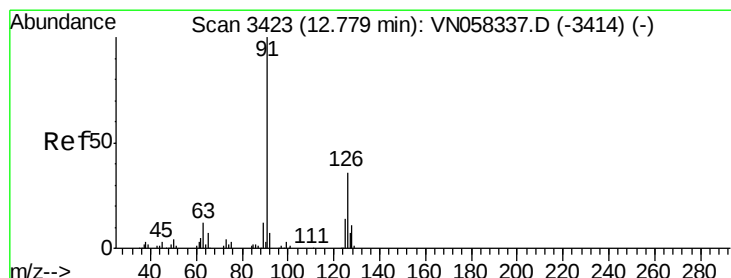
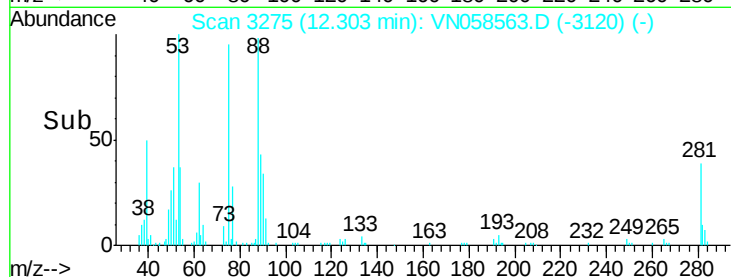
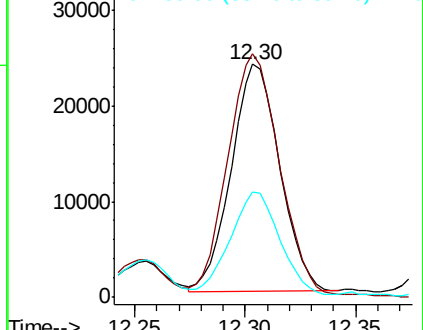
89 45.3 21.6 65.0

Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.708 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058563.D

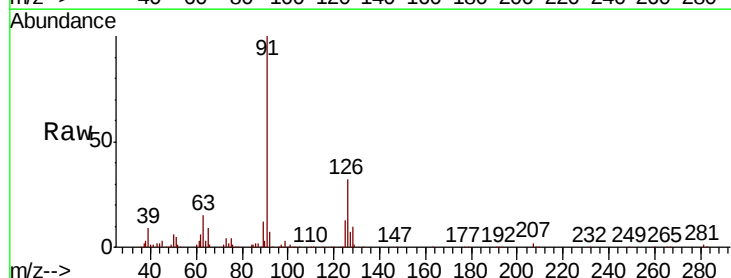
Acq: 7 Oct 2019 13:40

Tgt Ion: 91 Resp: 318299

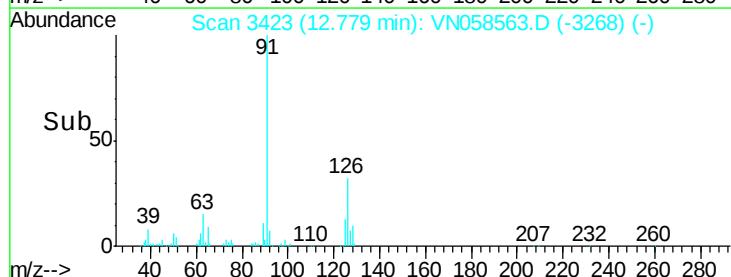
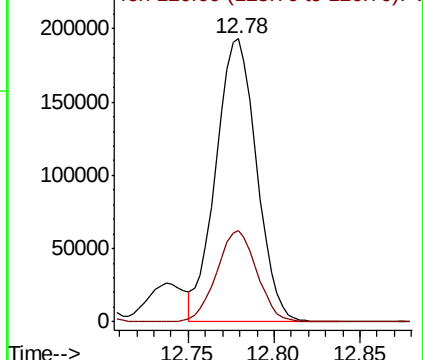
Ion Ratio Lower Upper

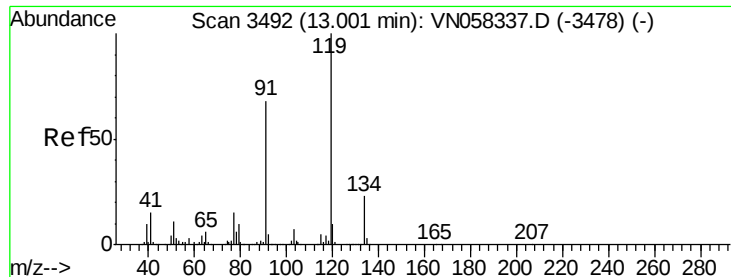
91 100

126 31.6 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





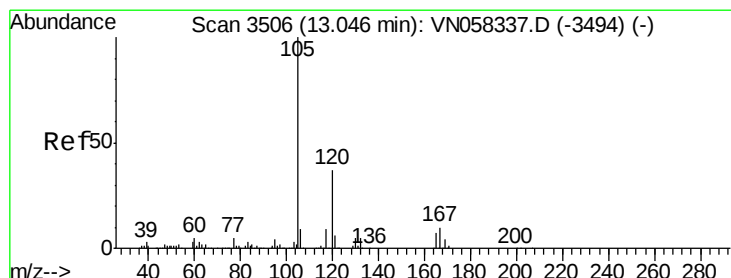
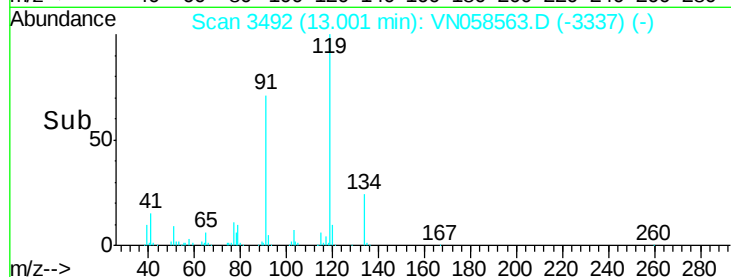
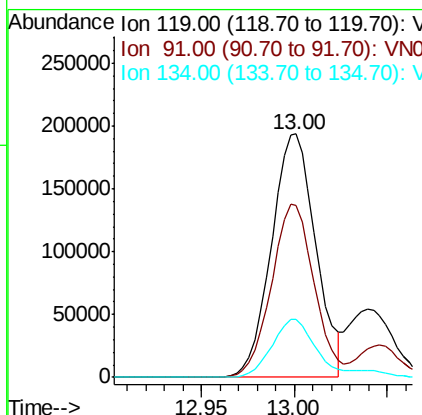
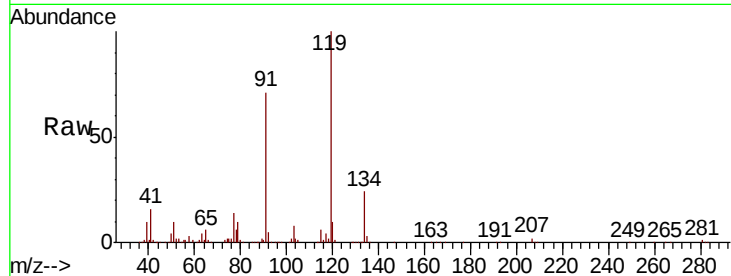
#79
tert-butylbenzene
Concen: 19.797 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	0.0	138.2
134	23.3	0.0	46.8

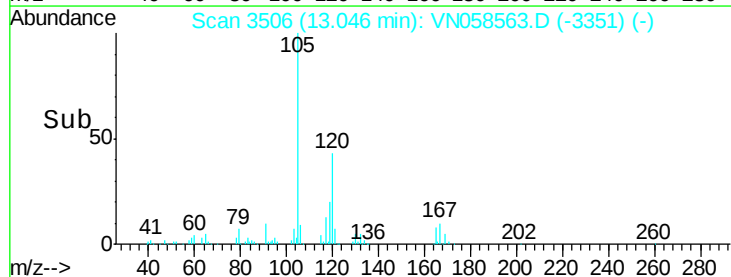
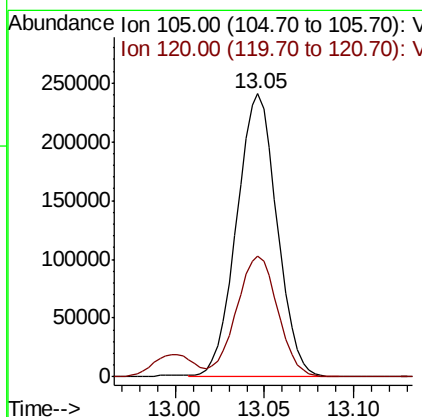
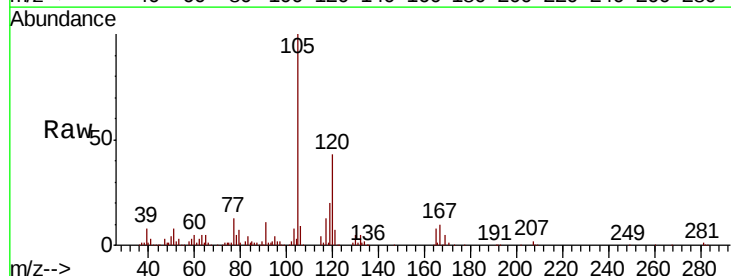
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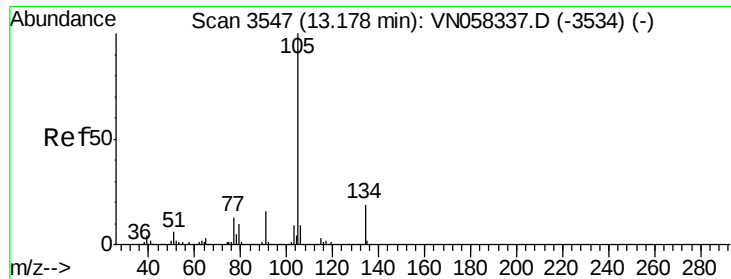
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.228 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	86.6





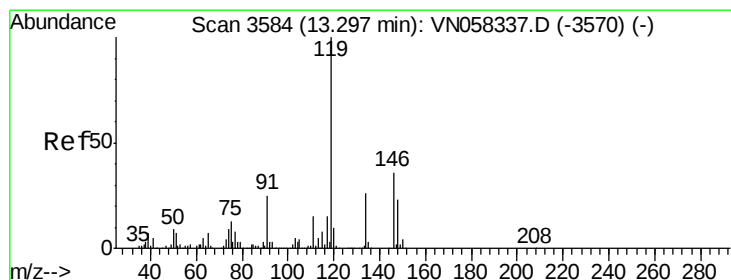
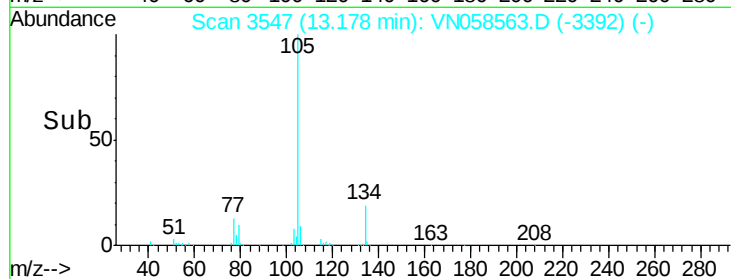
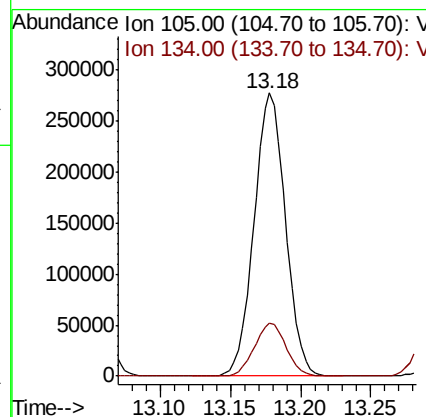
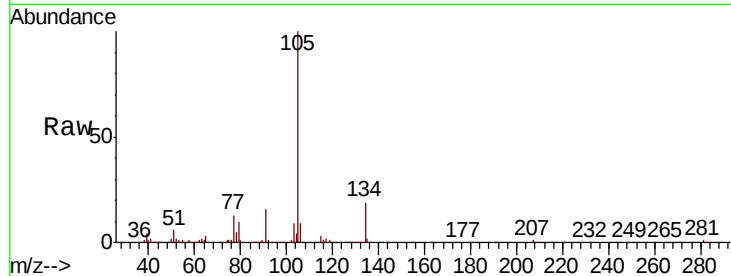
#81
sec-Butylbenzene
Concen: 20.231 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	38.2

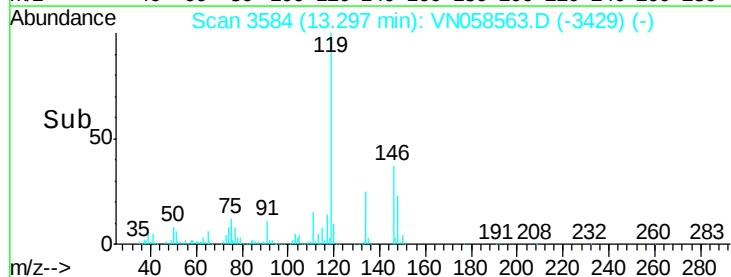
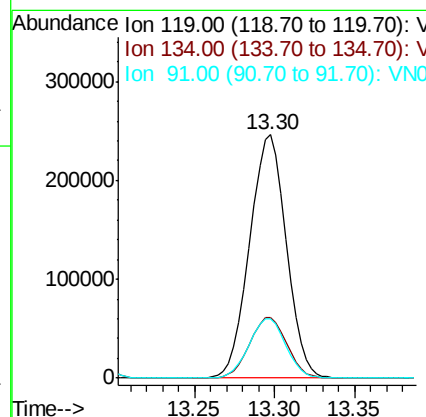
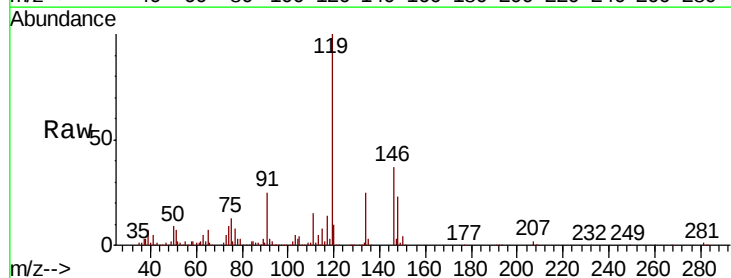
Manual Integrations
APPROVED

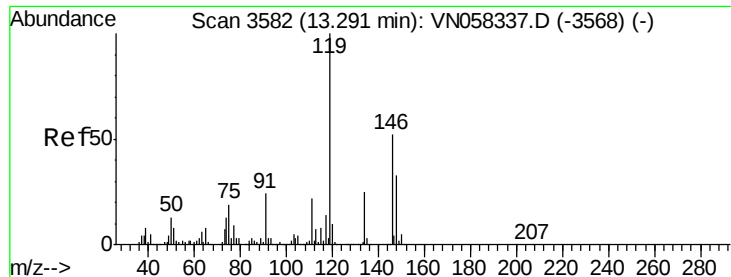
MMDadoda
10/9/2019 10:50:24 AM



#82
p-Isopropyltoluene
Concen: 20.005 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	51.6
91	24.7	0.0	49.6





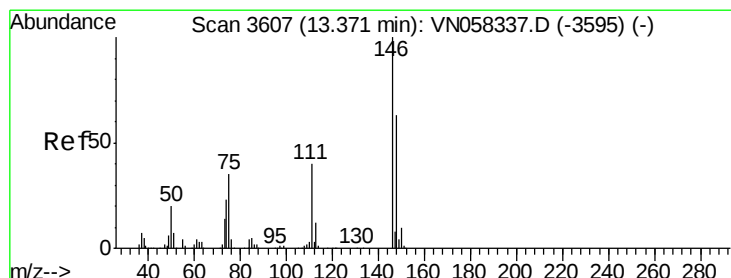
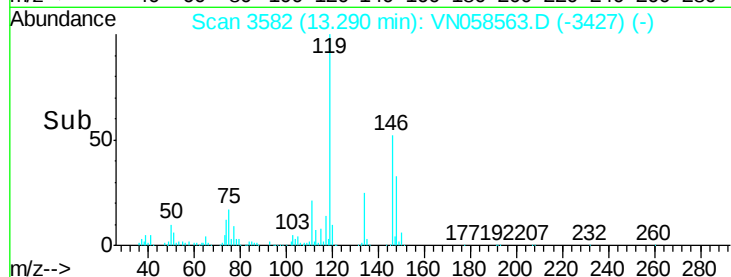
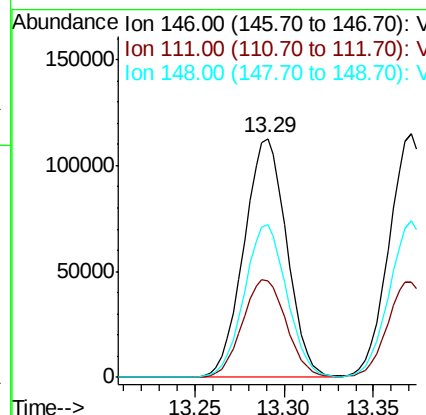
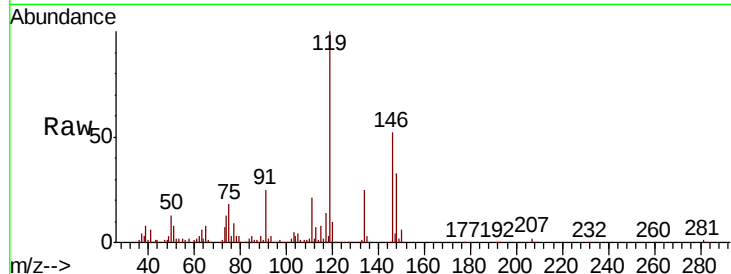
#83
 1,3-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.8
148	63.6	32.0	96.2

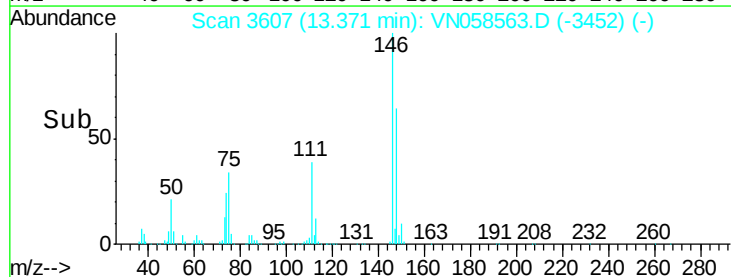
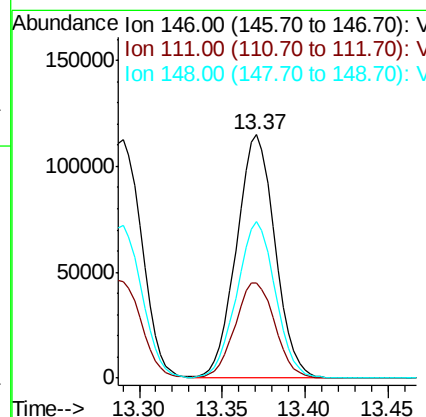
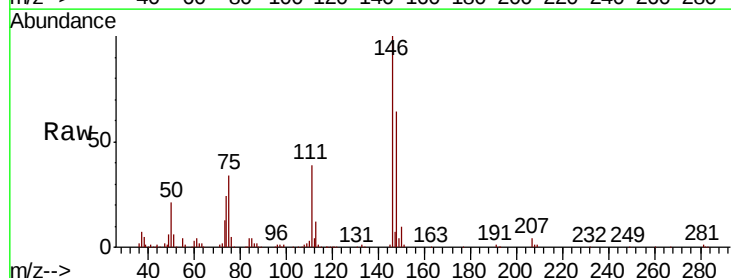
Manual Integrations
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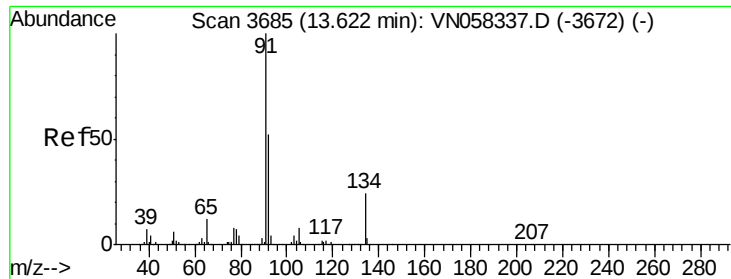
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 10/9/2019 10:50:24 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	64.9	31.9	95.7





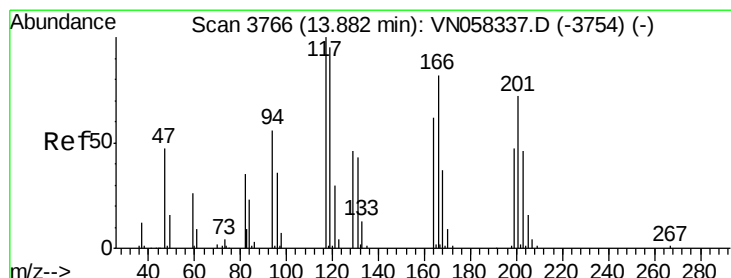
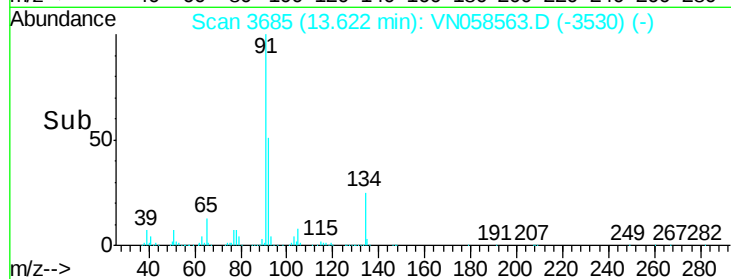
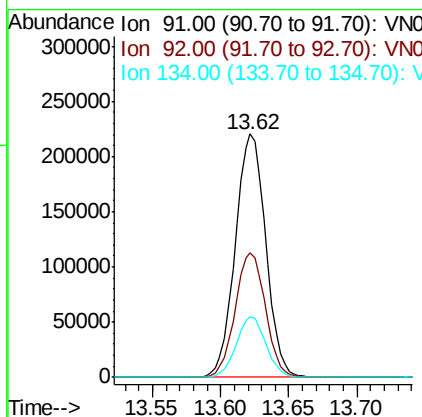
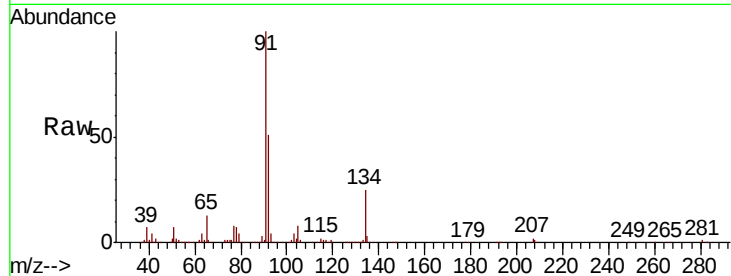
#85
n-Butylbenzene
Concen: 19.125 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	0.0	102.6
134	24.4	0.0	47.8

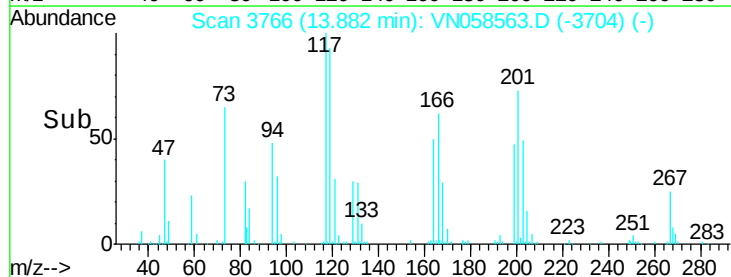
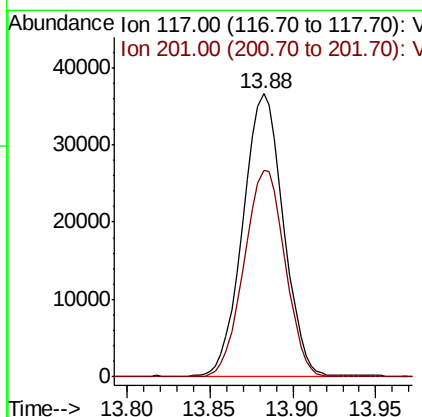
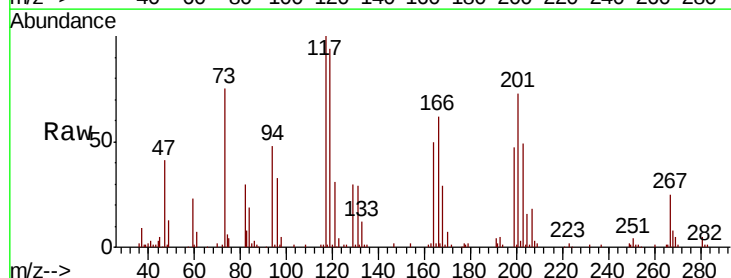
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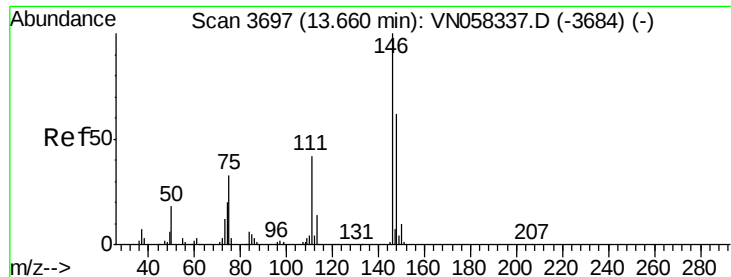
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#86
Hexachloroethane
Concen: 20.036 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	37.2	111.6





#87

1,2-Dichlorobenzene

Concen: 19.591 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

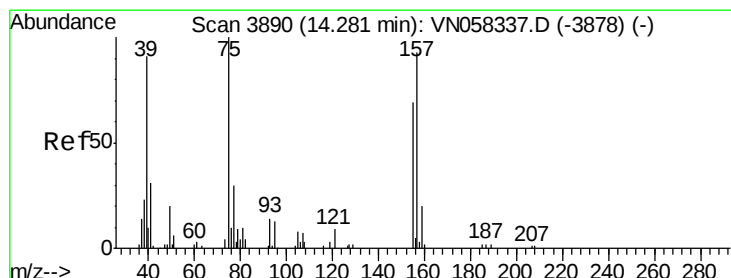
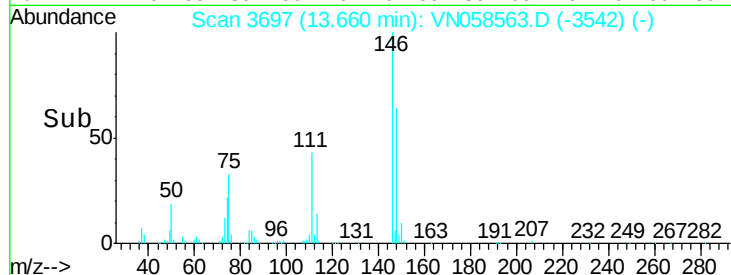
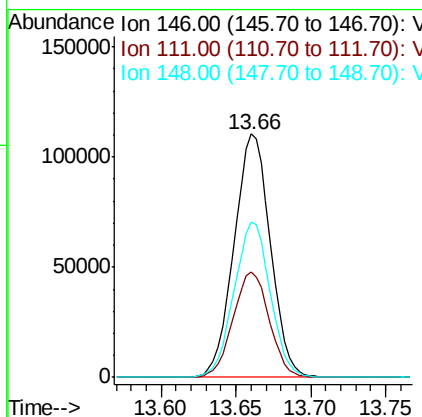
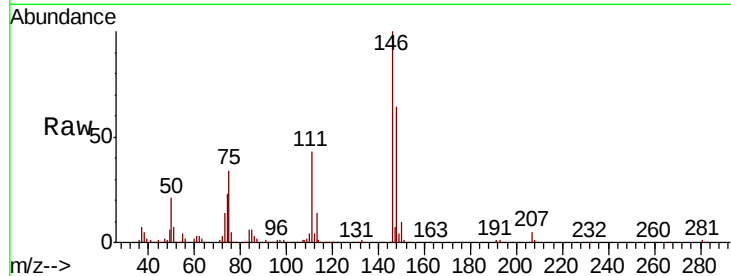
ClientSampleId :

VN1007WBSD01

Tot Ion:	146	Resp:	186808
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.1	63.3
148	63.5	31.9	95.7

Manual Integrations
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10/9/2019 10:50:24 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.546 ug/l

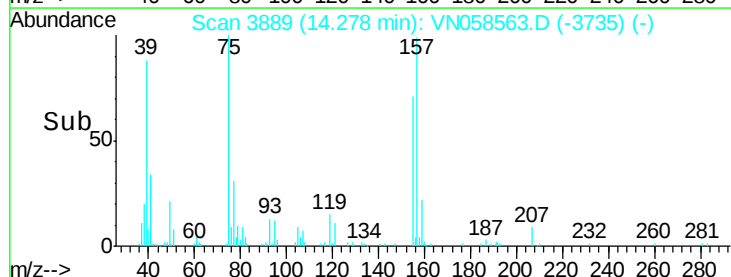
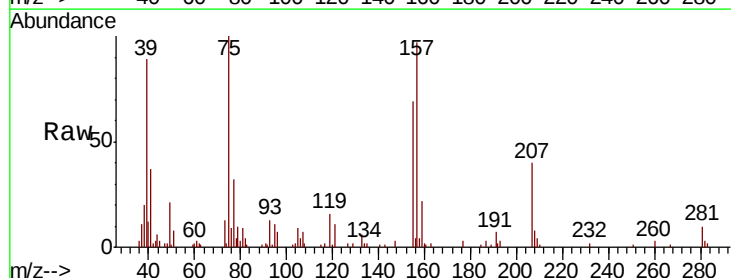
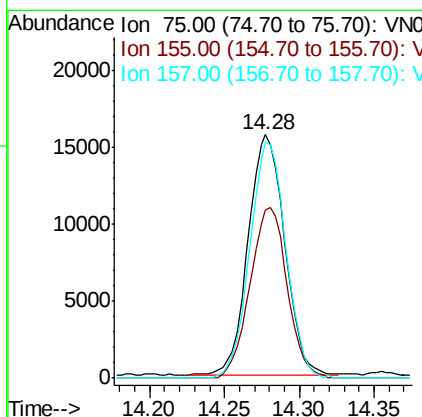
RT: 14.28 min Scan# 3889

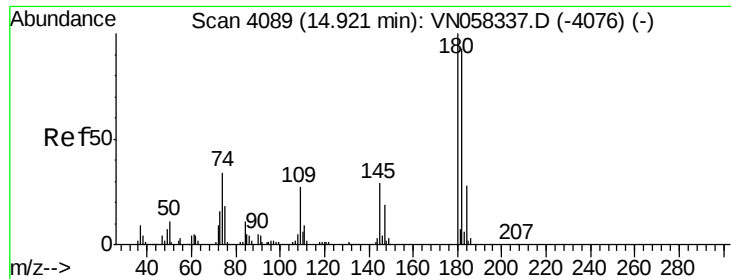
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:	75	Resp:	26494
Ion Ratio	Lower	Upper	
75	100		
155	72.1	58.5	87.7
157	96.9	75.4	113.2





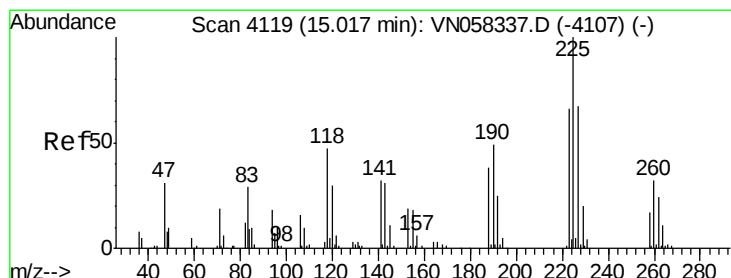
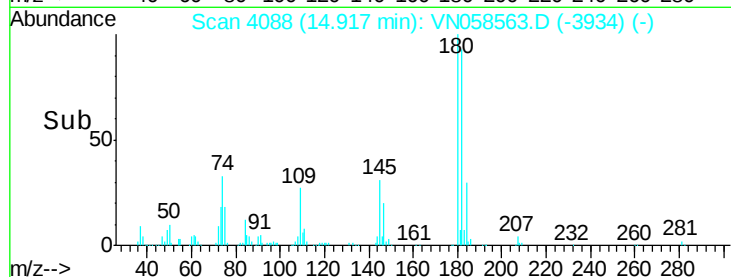
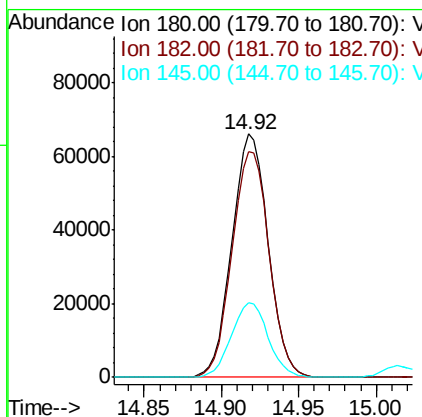
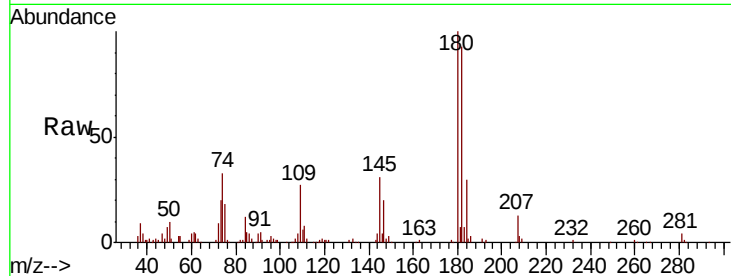
#89
1,2,4-Trichlorobenzene
Concen: 17.286 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.2	112.8
145	31.0	25.1	37.7

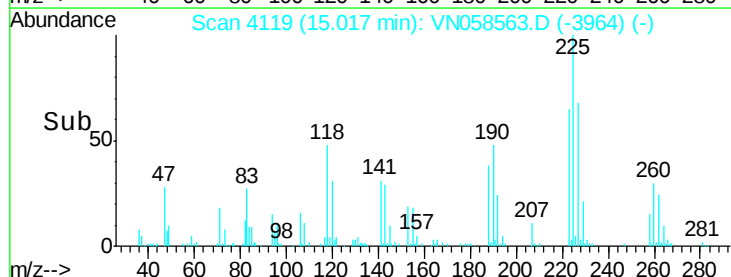
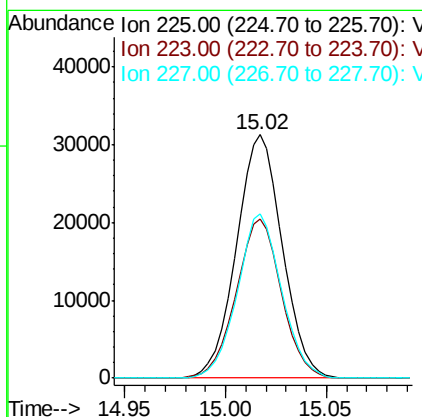
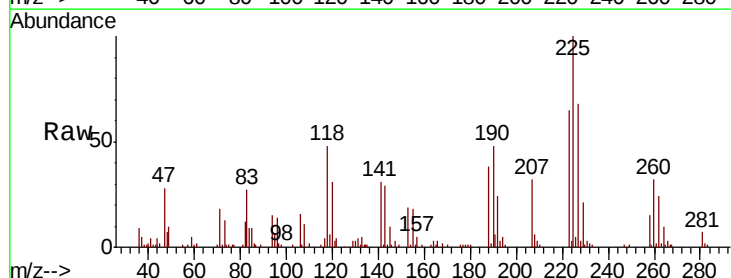
Manual Integrations
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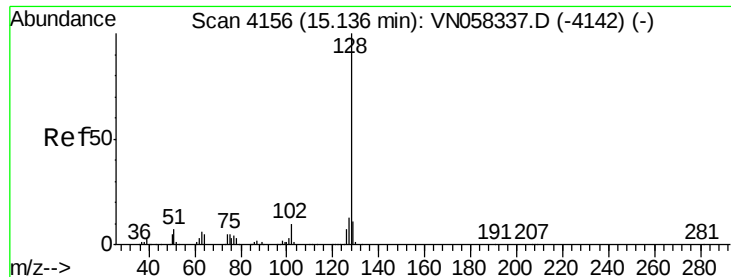
MMDadoda
10/9/2019 10:50:24 AM



#90
Hexachlorobutadiene
Concen: 16.492 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	0.0	132.6
227	65.0	0.0	129.2





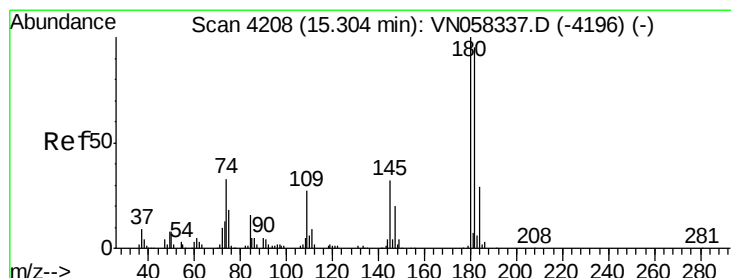
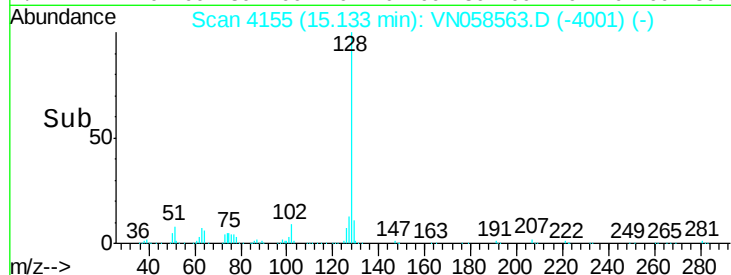
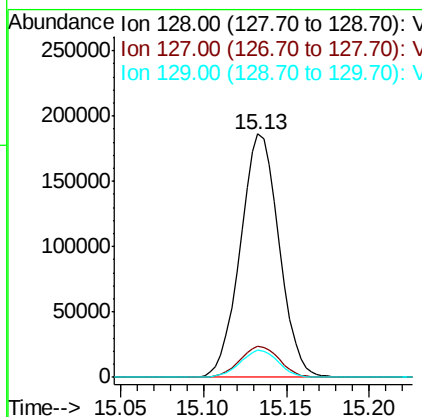
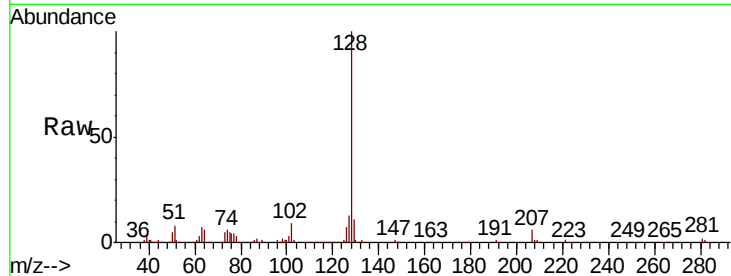
#91
Naphthalene
Concen: 17.670 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:24 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.779 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	189.4
145	33.5	0.0	64.0

