

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057208.D
 Acq On : 12 Aug 2019 11:47
 Operator : JC/SP
 Sample : VN0812WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0812WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:38 AM

Quant Time: Aug 13 02:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	165693	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	889965	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	774093	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	319979	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.92	95	332806	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	9.56	98	1081974	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	184350	20.398	ug/l 99
3) Chloromethane	2.00	50	205490	19.628	ug/l 99
4) Vinyl Chloride	2.11	62	199880	18.767	ug/l 99
5) Bromomethane	2.44	94	148463	19.568	ug/l 99
6) Chloroethane	2.55	64	132884	19.241	ug/l 99
7) Trichlorofluoromethane	2.83	101	312050	19.650	ug/l 98
8) Diethyl Ether	3.14	74	114591	19.360	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	188467	19.619	ug/l 89
10) 1,1-Dichloroethene	3.43	96	182128	19.176	ug/l 96
11) Methyl Iodide	3.63	142	285699	19.278	ug/l 97
12) Methyl Acetate	3.89	43	211111	21.338	ug/l 97
13) Acrolein	3.31	56	94495	86.604	ug/l 97
14) Acrylonitrile	4.45	53	409698	99.253	ug/l 99
15) Acetone	3.47	58	117564	85.816	ug/l 97
16) Carbon Disulfide	3.72	76	480290	18.745	ug/l 99
17) Allyl chloride	3.91	41	254601	18.183	ug/l 97
18) Methylene Chloride	4.10	84	206732	19.199	ug/l 98
19) trans-1,2-Dichloroethene	4.50	96	192315	18.887	ug/l 96
20) Diisopropyl ether	5.32	45	565159	19.791	ug/l 97
21) 1,1-Dichloroethane	5.25	63	347149	19.519	ug/l 98
22) cis-1,2-Dichloroethene	6.21	96	227536	19.633	ug/l 100
23) tert-Butyl Alcohol	4.24	59	137285	100.787	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	551951	19.762	ug/l 99
25) Chloroform	6.76	83	360319	19.702	ug/l 100
26) Cyclohexane	7.07	56	291762	19.189	ug/l # 100
29) 1,1-Dichloropropene	7.20	75	265771	19.858	ug/l 99
30) 2-Butanone	6.20	43	510992	96.979	ug/l # 97
31) 2,2-Dichloropropane	6.21	77	282197	19.721	ug/l 100
32) 1,1,1-Trichloroethane	6.98	97	311347	20.088	ug/l 100
33) Carbon Tetrachloride	7.18	117	274305	19.881	ug/l 97
34) Benzene	7.46	78	810587	19.841	ug/l 99
35) Methacrylonitrile	6.55	41	113715	21.353	ug/l 97
36) 1,2-Dichloroethane	7.54	62	267446	20.492	ug/l 98
37) Trichloroethene	8.27	130	231804	19.967	ug/l 97
38) Methylcyclohexane	8.53	83	312634	19.575	ug/l 99
39) 1,2-Dichloropropane	8.56	63	211647	20.098	ug/l 93
40) Dibromomethane	8.65	93	137751	20.319	ug/l 99

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	269302	19.978	ug/l	99
42) Vinyl Acetate	5.26	43	2200518	100.458	ug/l	100
43) Ethyl Acetate	6.28	43	214453	22.068	ug/l #	85
44) Isopropyl Acetate	7.56	43	373812	21.186	ug/l	98
45) 1,4-Dioxane	8.64	88	68160	413.953	ug/l	98
46) Methyl methacrylate	8.64	41	161206	20.039	ug/l	95
47) n-amyl Acetate	11.59	43	244895	18.865	ug/l	100
48) t-1,3-Dichloropropene	9.86	75	287006	19.967	ug/l	100
49) cis-1,3-Dichloropropene	9.30	75	320363	19.661	ug/l	100
50) 1,1,2-Trichloroethane	10.04	97	197479	20.381	ug/l	98
51) Ethyl methacrylate	9.90	69	273591	20.009	ug/l	99
52) 1,3-Dichloropropane	10.19	76	322948	19.996	ug/l	99
53) Dibromochloromethane	10.39	129	220820	20.225	ug/l	99
54) 1,2-Dibromoethane	10.50	107	208680	20.632	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	343922	89.081	ug/l	99
56) Bromoform	11.64	173	162778	20.176	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	1023337	102.907	ug/l	99
59) 2-Hexanone	10.24	43	714286	99.908	ug/l	99
61) Tetrachloroethene	10.11	164	241092	20.292	ug/l	97
62) Toluene	9.63	91	889774	20.194	ug/l	99
64) Chlorobenzene	10.93	112	537273	19.825	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.01	131	211282	20.330	ug/l	98
66) Ethyl Benzene	11.01	91	933935	19.774	ug/l	99
67) m/p-Xylenes	11.13	106	702354	39.433	ug/l	99
68) o-Xylene	11.46	106	344653	19.931	ug/l	99
69) Styrene	11.47	104	535000	19.294	ug/l	100
70) Isopropylbenzene	11.77	105	919677	19.754	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.02	83	255527	20.040	ug/l	100
72) 1,2,3-Trichloropropane	12.08	75	236869m	21.225	ug/l	
73) Bromobenzene	12.05	156	239895	19.871	ug/l	94
74) n-propylbenzene	12.11	91	922165	18.868	ug/l	100
75) 2-Chlorotoluene	12.20	91	602087	19.917	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	759525	19.375	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	71069	18.923	ug/l	97
78) 4-Chlorotoluene	12.30	91	527870	18.801	ug/l	100
79) tert-butylbenzene	12.52	119	681355	19.720	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	697231	18.860	ug/l	99
81) sec-Butylbenzene	12.70	105	821140	18.849	ug/l	99
82) p-Isopropyltoluene	12.82	119	706514	18.213	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	332163	18.070	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	302957	17.717	ug/l	99
85) n-Butylbenzene	13.15	91	481754	17.176	ug/l	99
86) Hexachloroethane	13.41	117	132799	18.827	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	334964	18.375	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	33316	18.622	ug/l	96
89) 1,2,4-Trichlorobenzene	14.45	180	92992	17.529	ug/l	99
90) Hexachlorobutadiene	14.55	225	149928	19.077	ug/l	99
91) Naphthalene	14.67	128	168374	12.168	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	98571	18.467	ug/l	97

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0812WBSD01

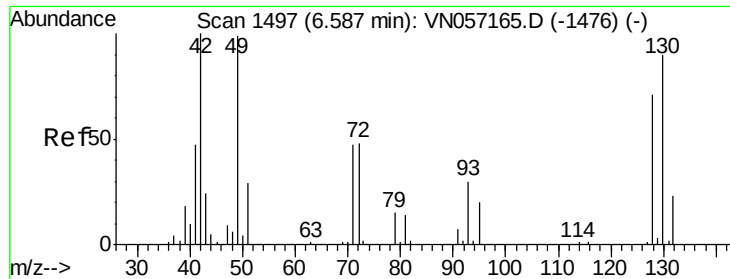
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



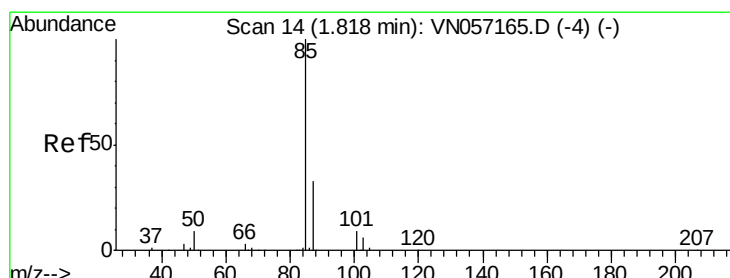
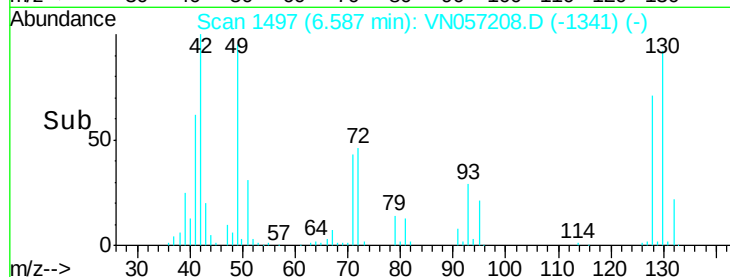
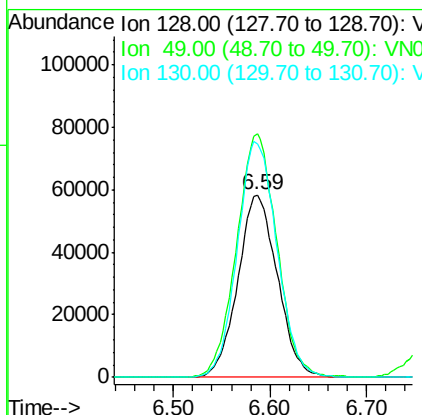
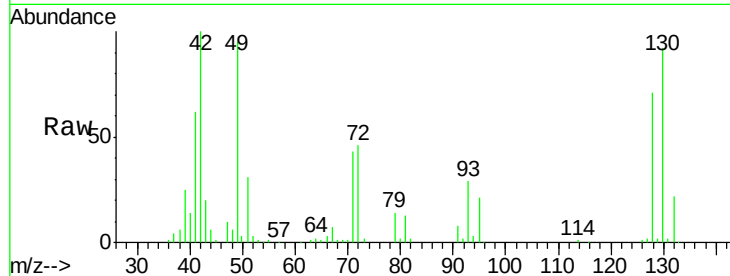
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 6.59 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	165693		
49	135.8	0.0	361.0	
130	129.7	0.0	329.5	

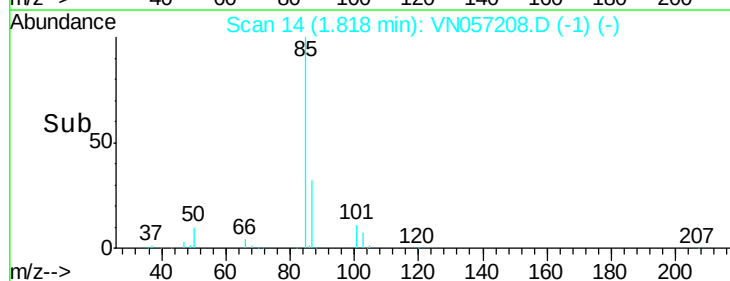
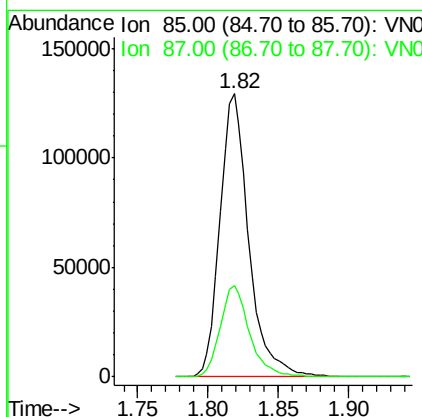
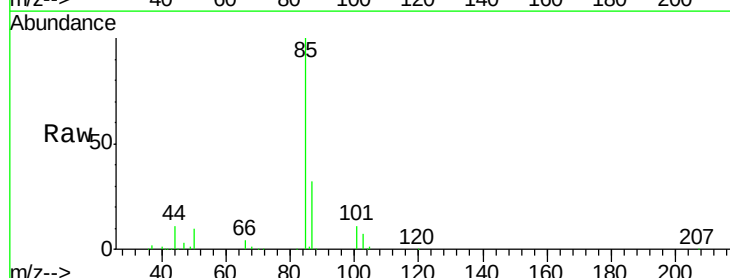
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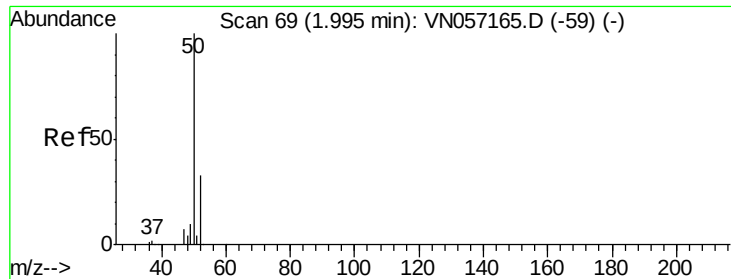
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#2
Dichlorodifluoromethane
Concen: 20.398 ug/l
RT: 1.82 min Scan# 14
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	184350		
87	32.3	16.5	49.5	





#3

Chloromethane

Concen: 19.628 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 50 Resp: 205490

Ion Ratio Lower Upper

50 100

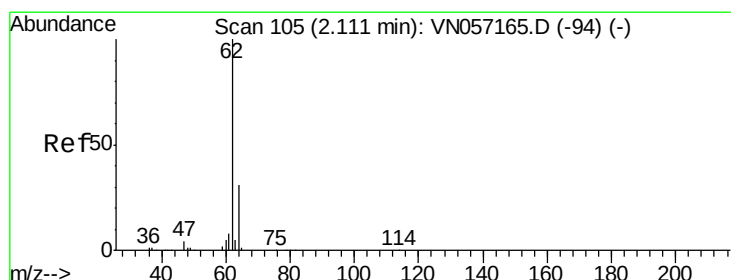
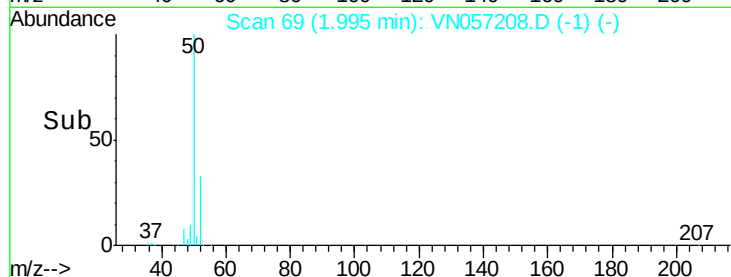
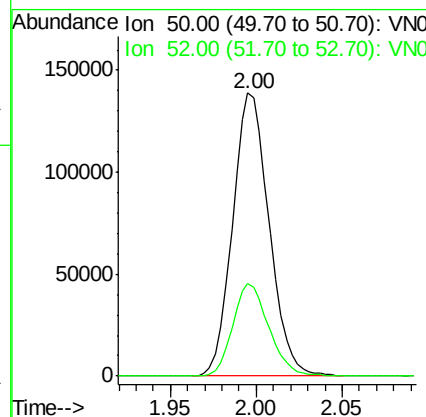
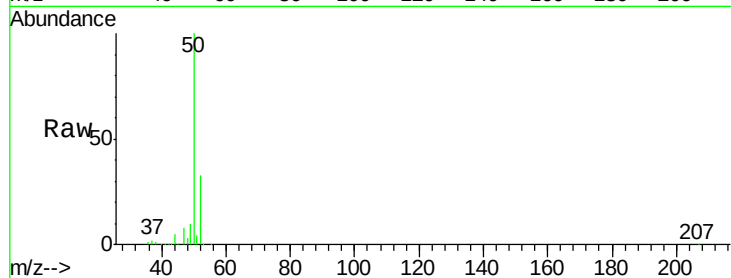
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.767 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057208.D

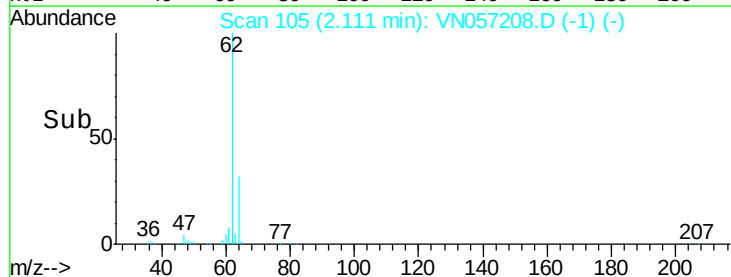
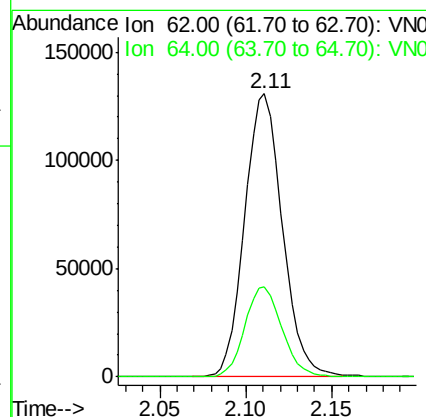
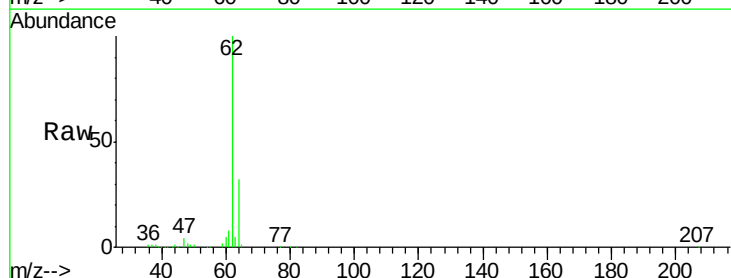
Acq: 12 Aug 2019 11:47

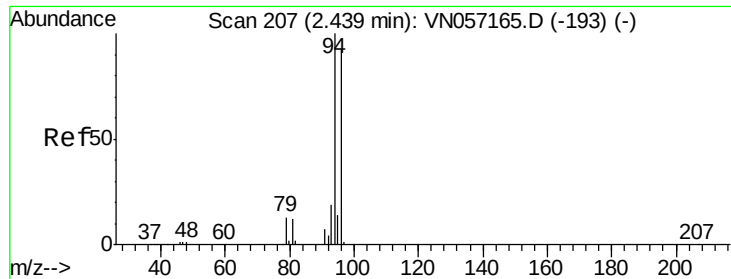
Tgt Ion: 62 Resp: 199880

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 19.568 ug/l

RT: 2.44 min Scan# 206

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 94 Resp: 148463

Ion Ratio Lower Upper

94 100

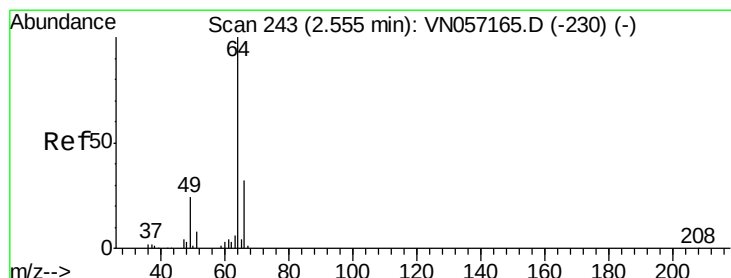
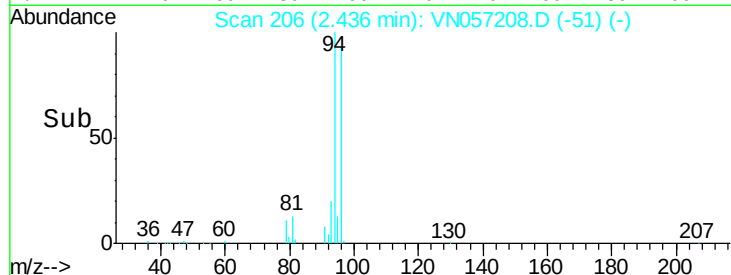
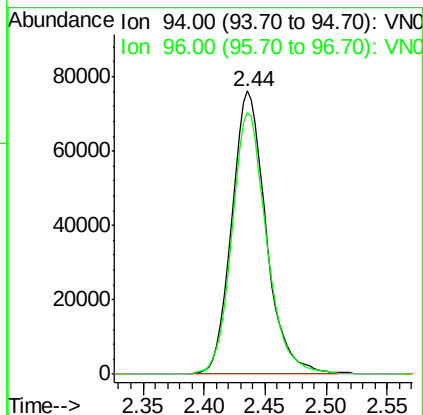
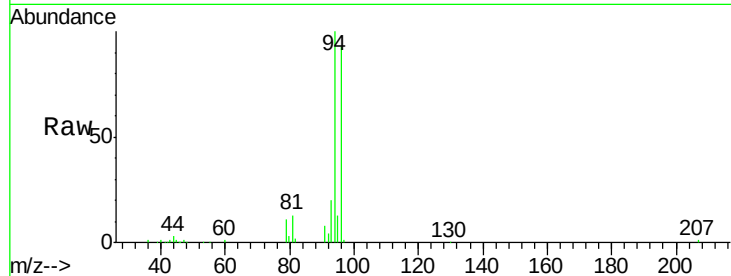
96 92.6 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.241 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN057208.D

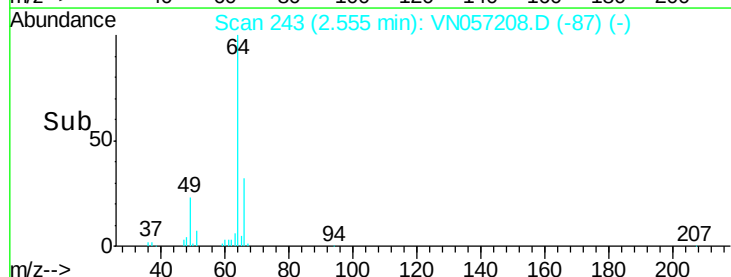
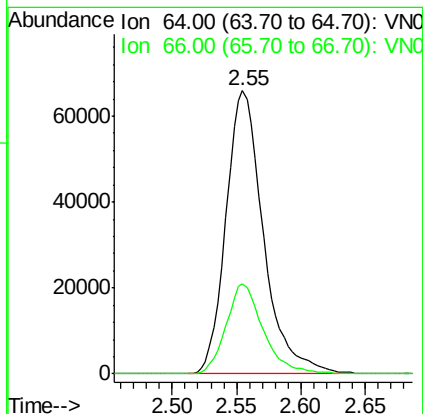
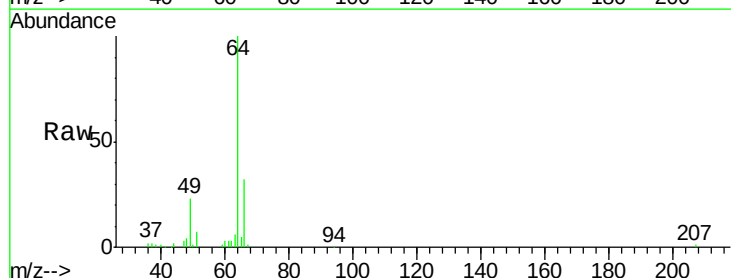
Acq: 12 Aug 2019 11:47

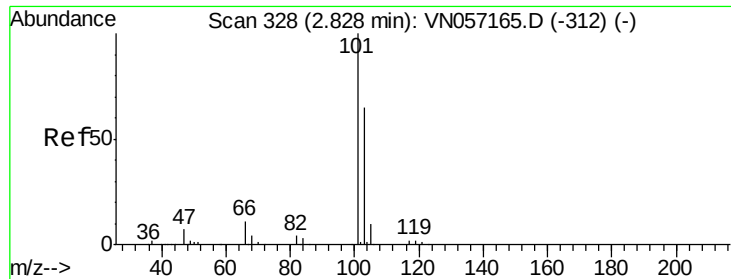
Tgt Ion: 64 Resp: 132884

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6





#7

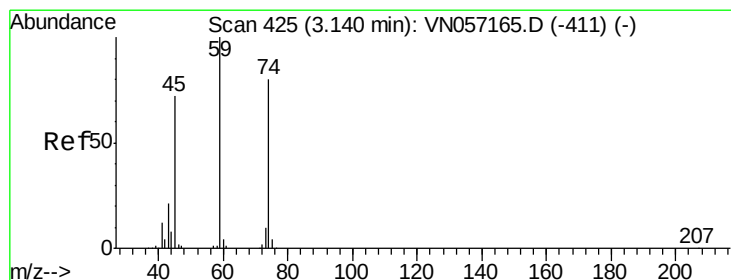
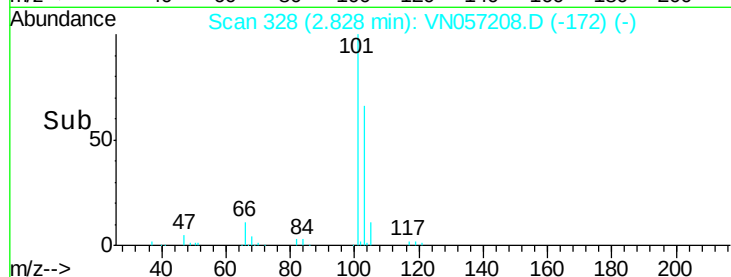
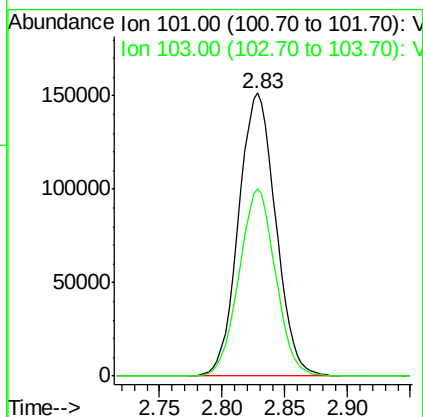
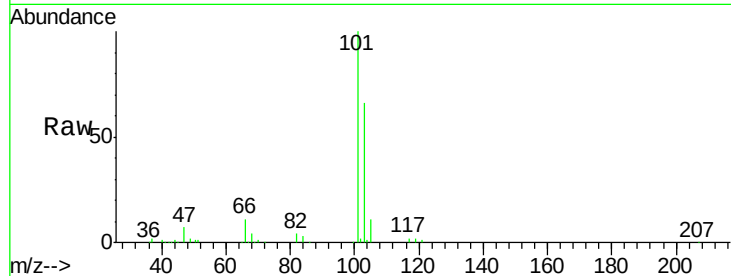
Trichlorofluoromethane
Concen: 19.650 ug/l
RT: 2.83 min Scan# 328
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
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ClientSampleId :
VN0812WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		312050		
103	66.4	51.8	77.8		

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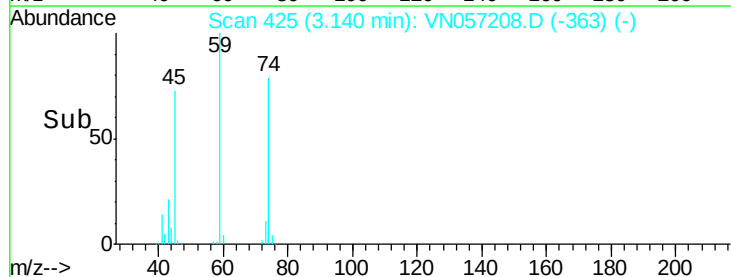
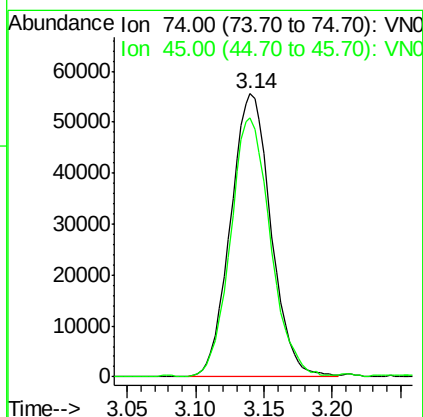
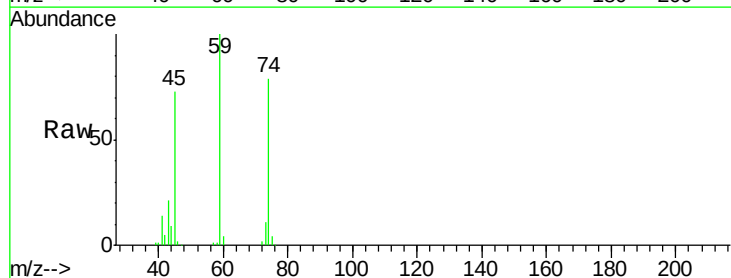
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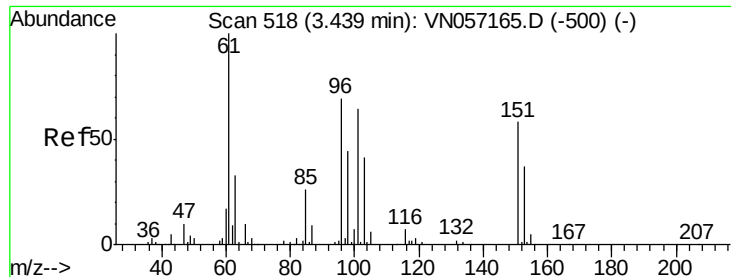


#8

Diethyl Ether
Concen: 19.360 ug/l
RT: 3.14 min Scan# 425
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		114591		
45	90.3	17.9	161.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.619 ug/l

RT: 3.44 min Scan# 519

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

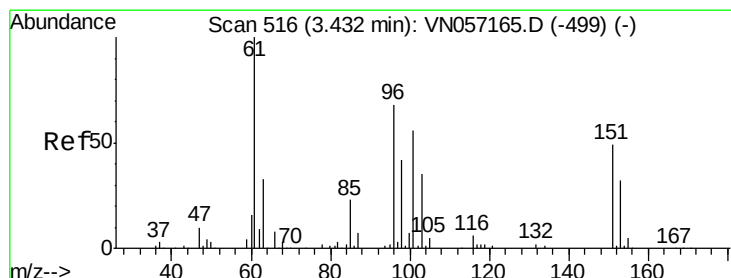
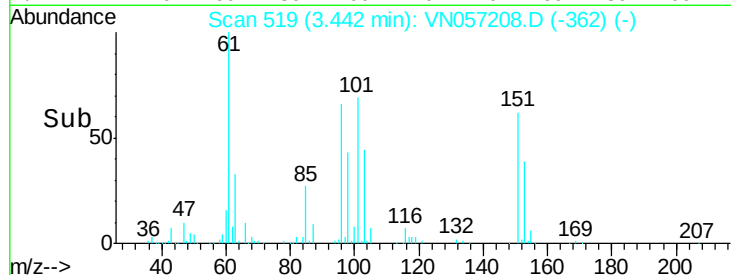
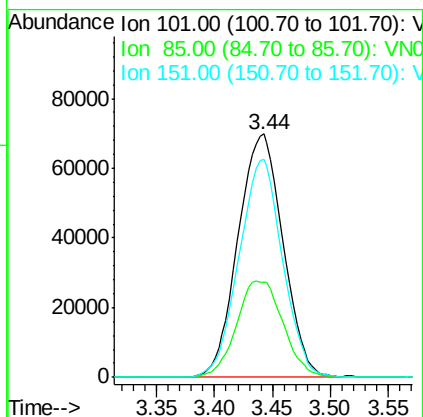
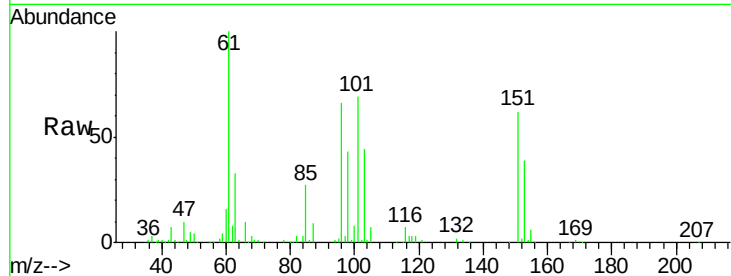
ClientSampleId :

VN0812WBSD01

Tot Ion:	101	Resp:	188467
Ion Ratio	Lower	Upper	
101	100		
85	21.4	0.0	84.4
151	87.0	0.0	175.0

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8/14/2019 9:23:38 AM



#10

1,1-Dichloroethene

Concen: 19.176 ug/l

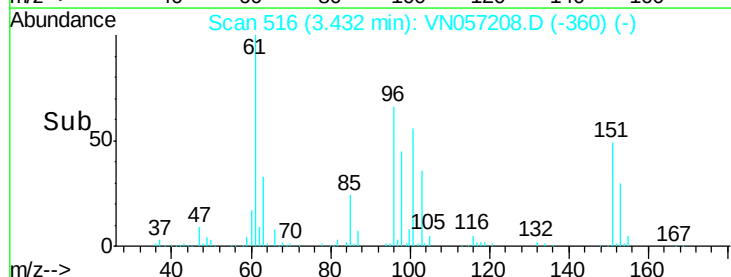
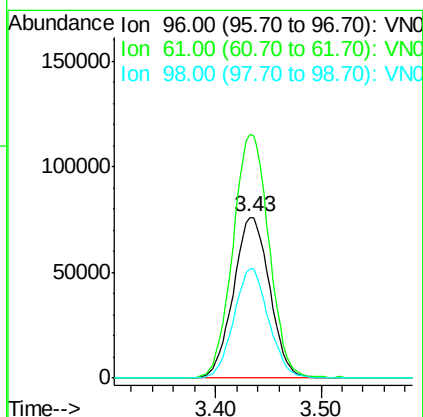
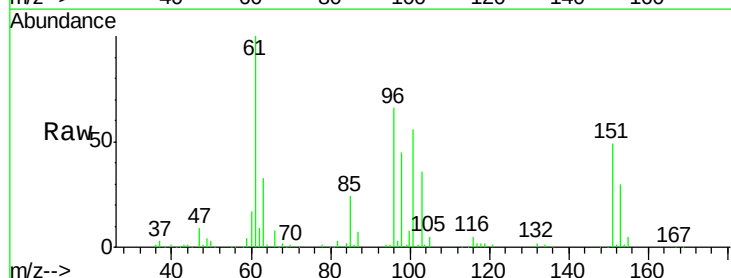
RT: 3.43 min Scan# 516

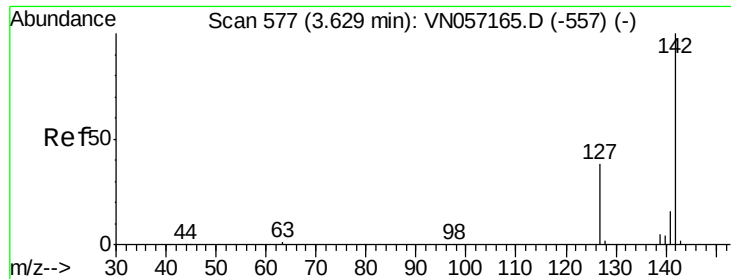
Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	96	Resp:	182128
Ion Ratio	Lower	Upper	
96	100		
61	151.2	118.2	177.2
98	68.0	49.3	73.9





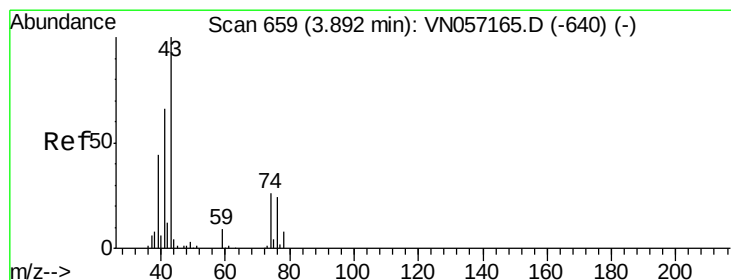
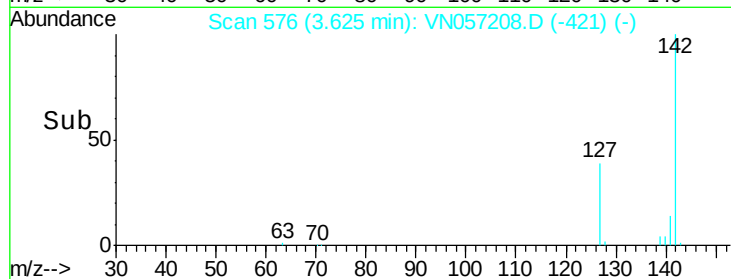
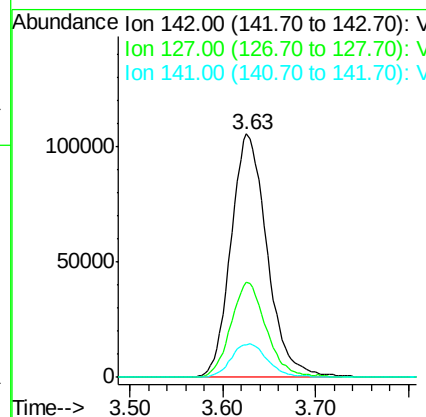
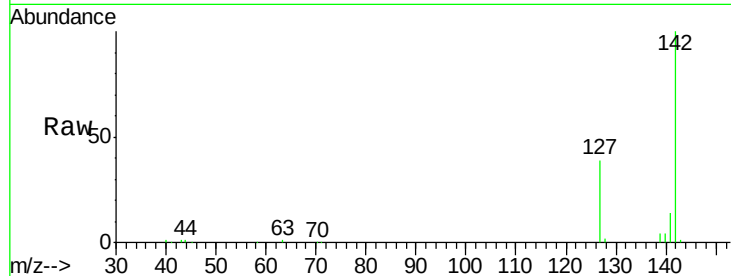
#11
Methvl Iodide
Concen: 19.278 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
142	100	285699		
127	38.9	19.0	57.0	
141	13.6	7.8	23.5	

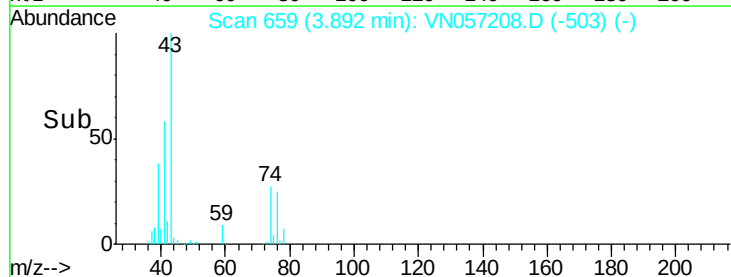
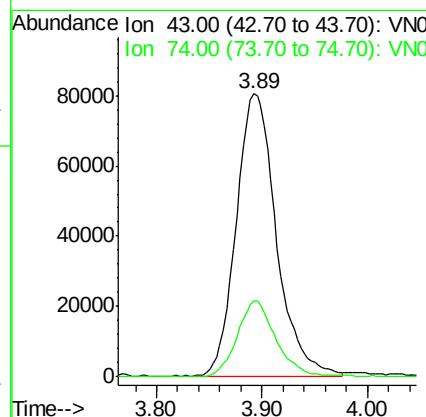
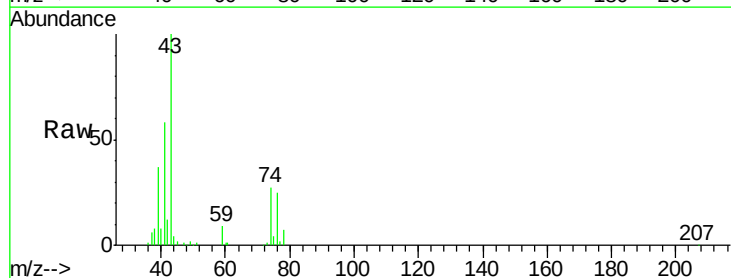
Manual Integrations
APPROVED

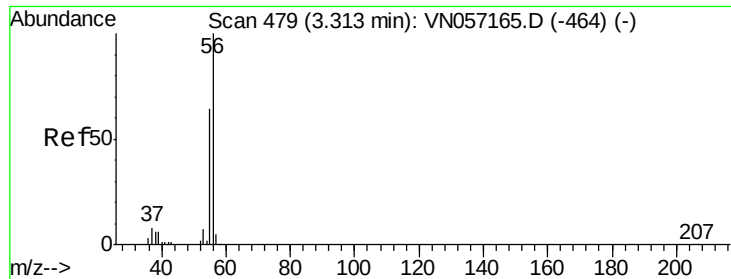
MMDadoda
8/14/2019 9:23:38 AM



#12
Methyl Acetate
Concen: 21.338 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	211111		
74	27.0	20.5	30.7	





#13

Acrolein

Concen: 86.604 ug/l

RT: 3.31 min Scan# 478

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 56 Resp: 94495

Ion Ratio Lower Upper

56 100

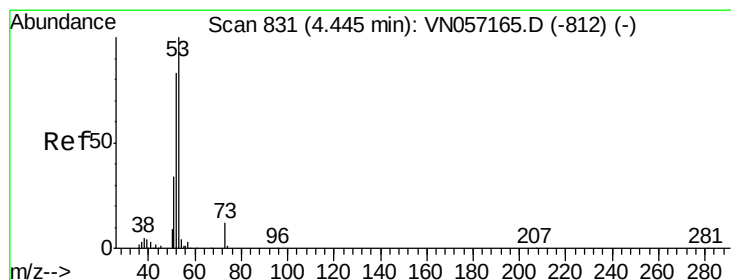
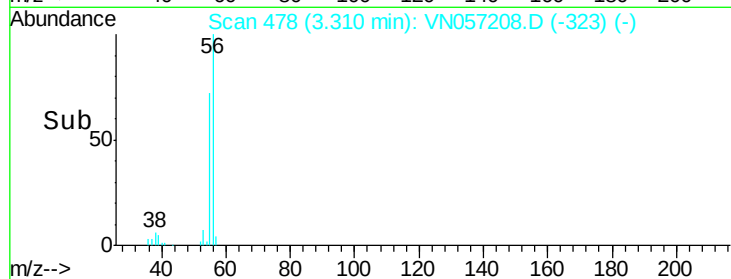
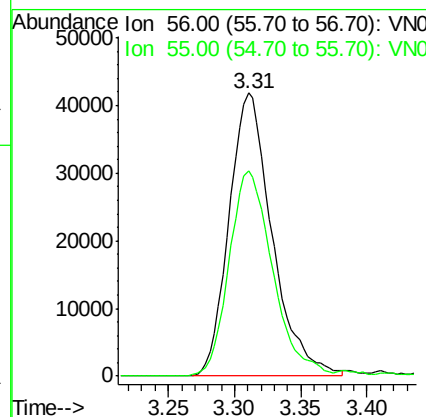
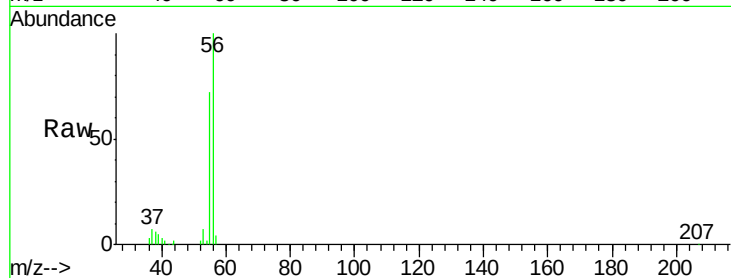
55 73.4 56.5 84.7

Manual Integrations

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MMDadoda

8/14/2019 9:23:38 AM



#14

Acrylonitrile

Concen: 99.253 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

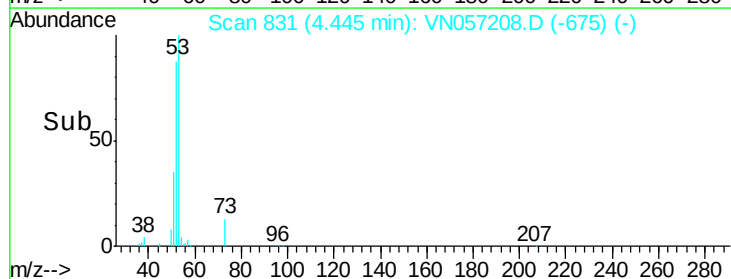
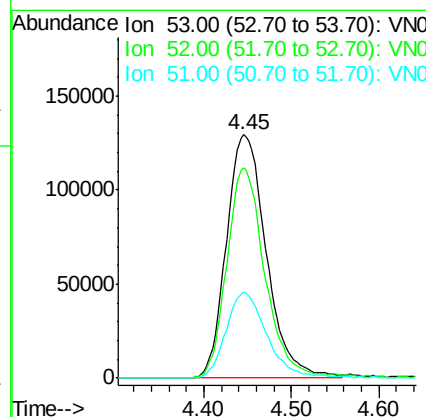
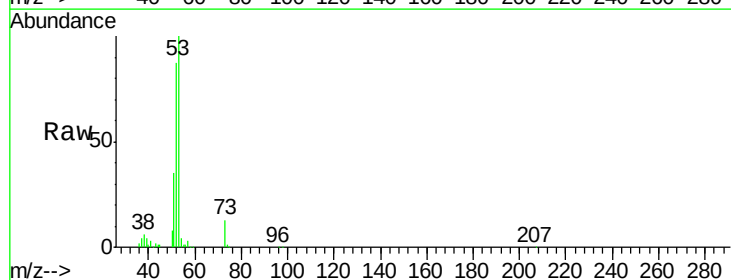
Tgt Ion: 53 Resp: 409698

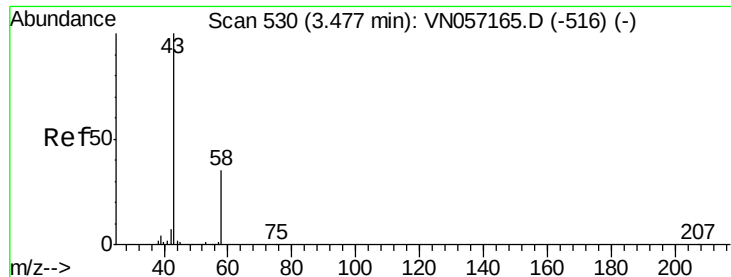
Ion Ratio Lower Upper

53 100

52 81.7 41.1 123.4

51 35.9 17.4 52.3





#15

Acetone

Concen: 85.816 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 58 Resp: 117564

Ion Ratio Lower Upper

58 100

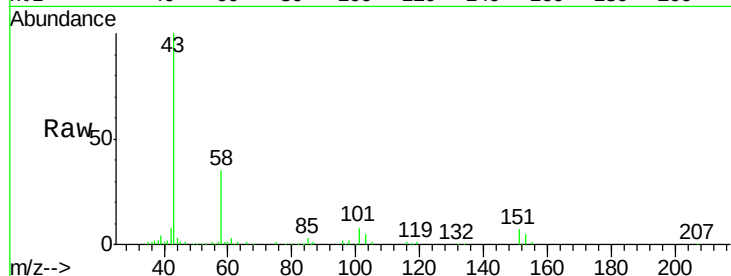
43 287.6 226.2 339.2

Manual Integrations

APPROVED

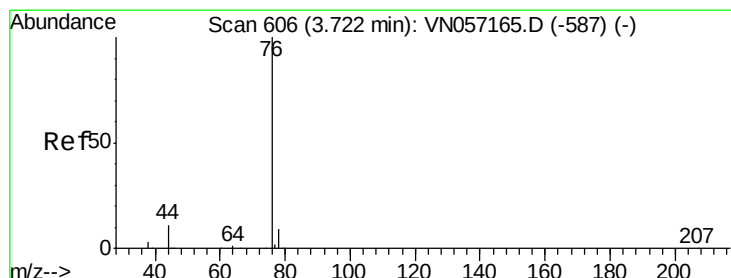
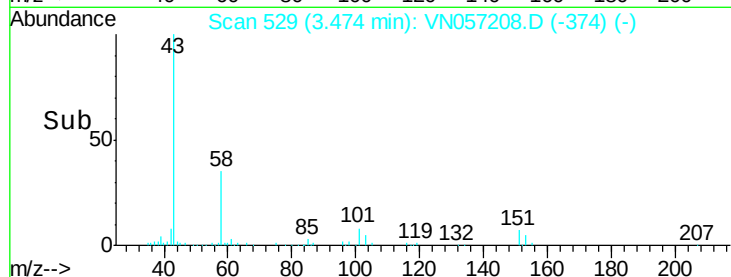
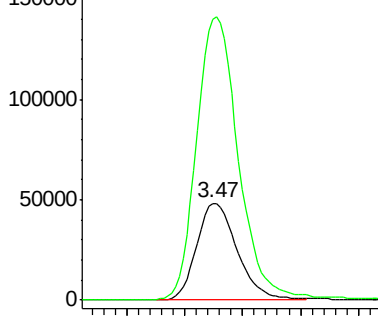
MMDadoda

8/14/2019 9:23:38 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.745 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057208.D

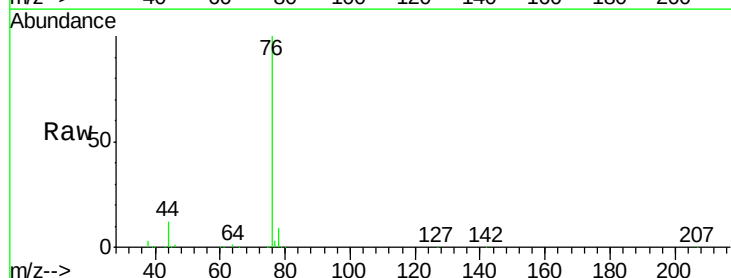
Acq: 12 Aug 2019 11:47

Tgt Ion: 76 Resp: 480290

Ion Ratio Lower Upper

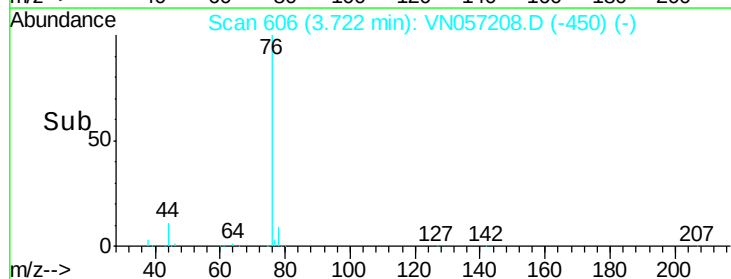
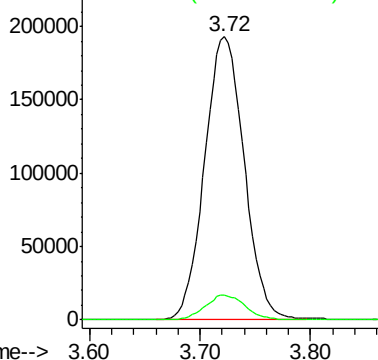
76 100

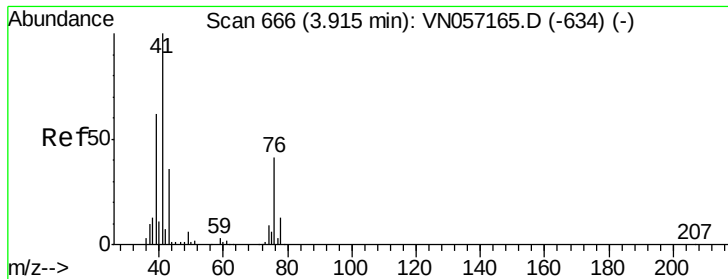
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





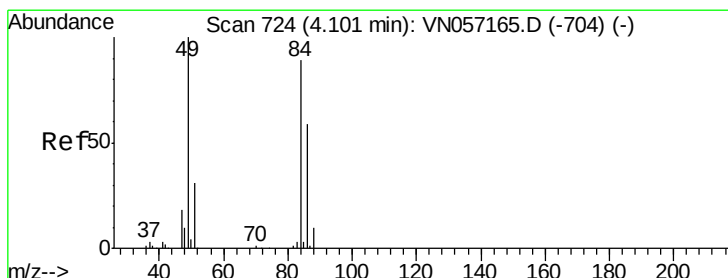
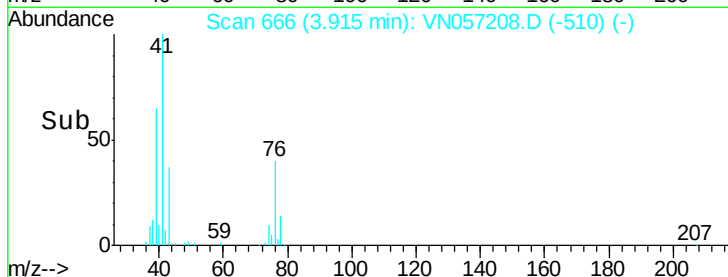
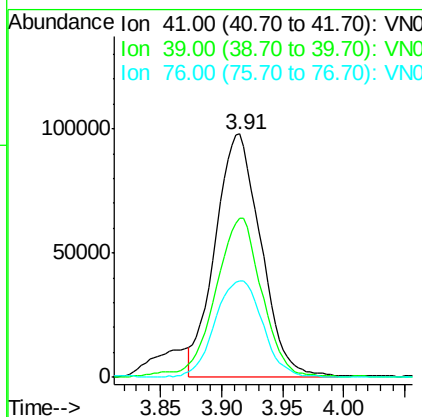
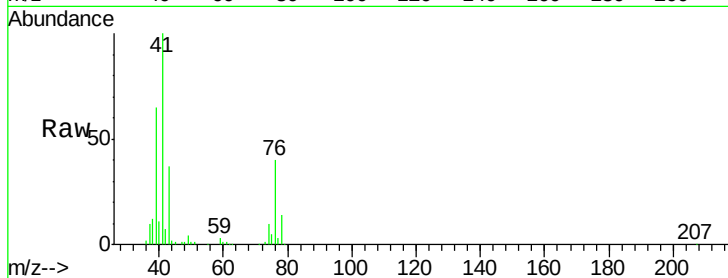
#17
Allvl chloride
Concen: 18.183 ug/l
RT: 3.91 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion:	41	Resp:	254601
Ion	Ratio	Lower	Upper
41	100		
39	65.3	31.2	93.6
76	39.7	20.5	61.6

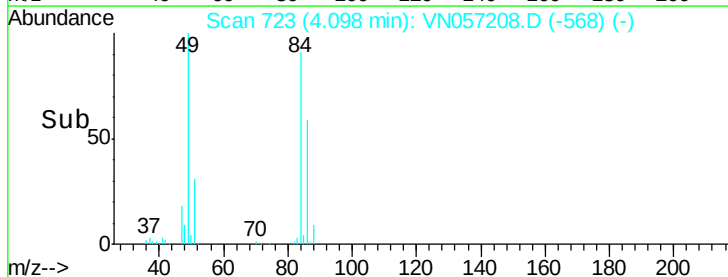
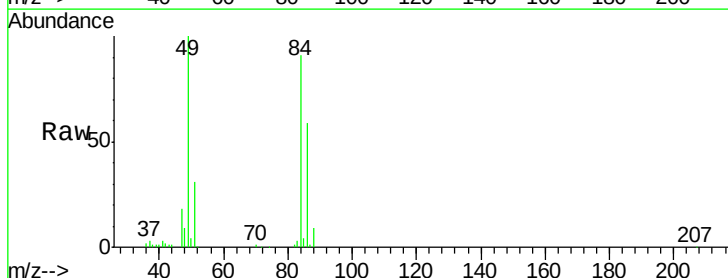
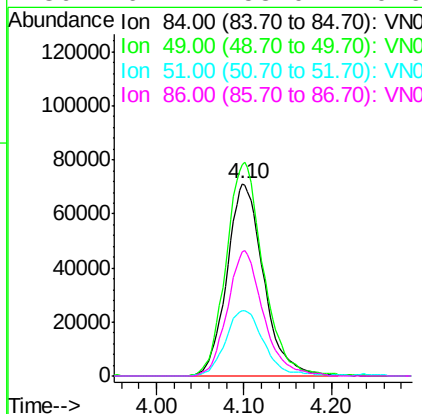
Manual Integrations
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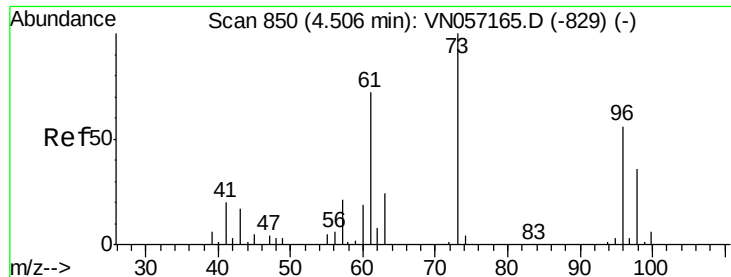
MMDadoda
8/14/2019 9:23:38 AM



#18
Methylene Chloride
Concen: 19.199 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion:	84	Resp:	206732
Ion	Ratio	Lower	Upper
84	100		
49	109.7	90.1	135.1
51	34.2	27.9	41.9
86	64.4	53.0	79.6





#19

trans-1,2-Dichloroethene

Concen: 18.887 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

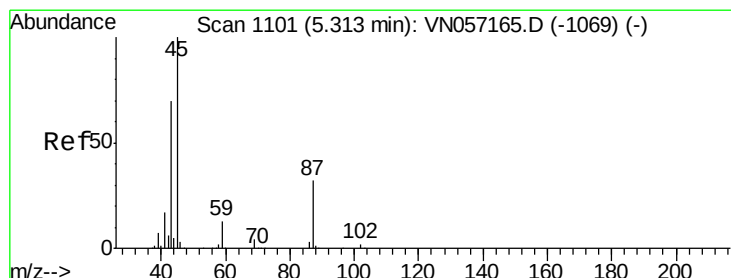
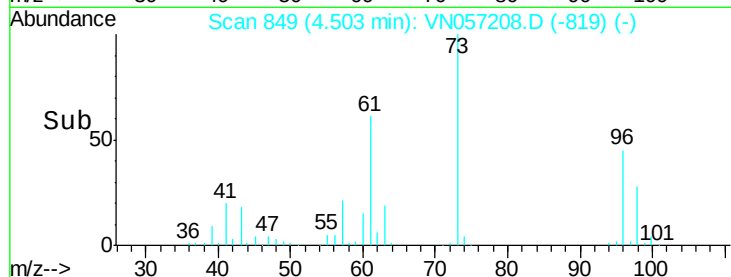
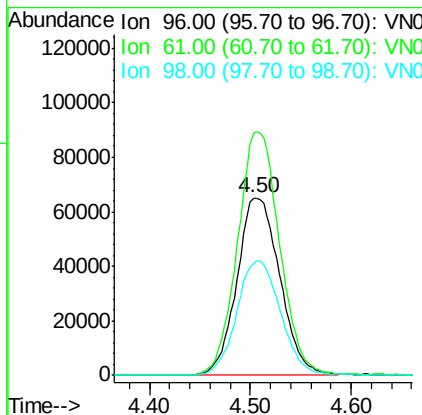
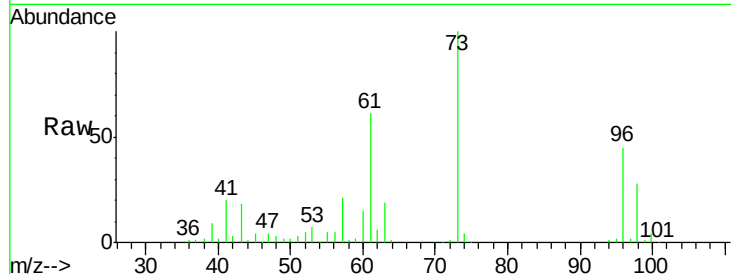
ClientSampleId :

VN0812WBSD01

Tot Ion:	96	Resp:	192315
Ion	Ratio	Lower	Upper
96	100		
61	136.6	103.6	155.4
98	63.3	51.3	76.9

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:38 AM



#20

Diisopropyl ether

Concen: 19.791 ug/l

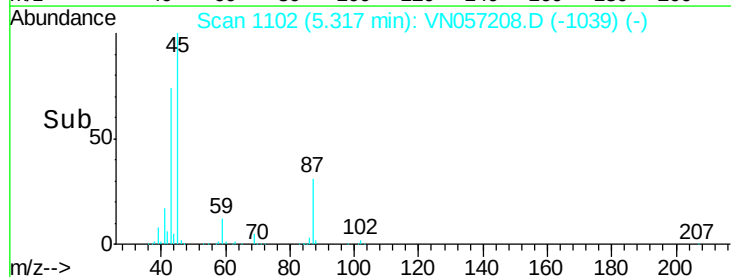
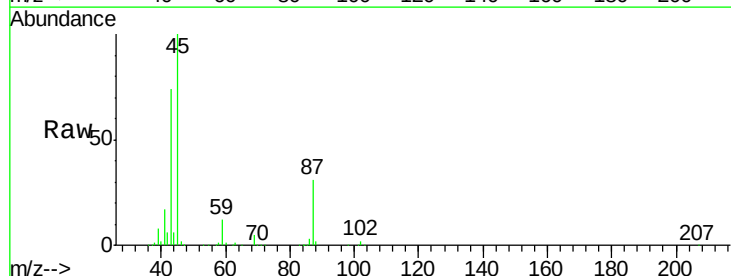
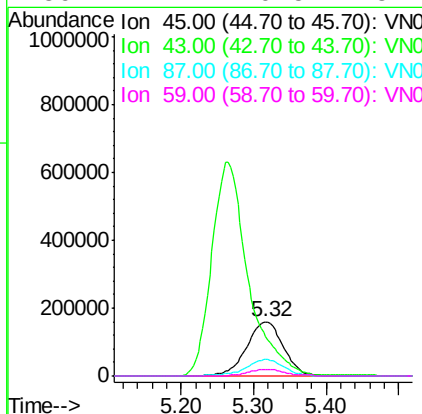
RT: 5.32 min Scan# 1102

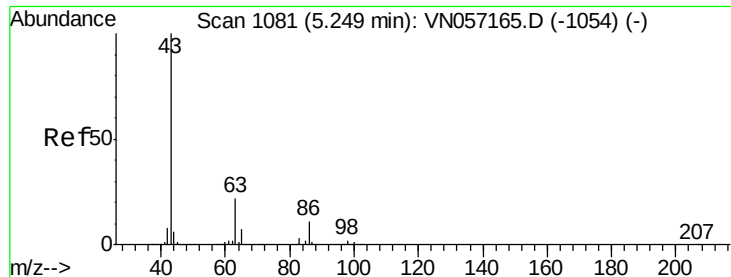
Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	45	Resp:	565159
Ion	Ratio	Lower	Upper
45	100		
43	72.0	60.0	90.0
87	30.4	25.9	38.9
59	12.4	10.5	15.7





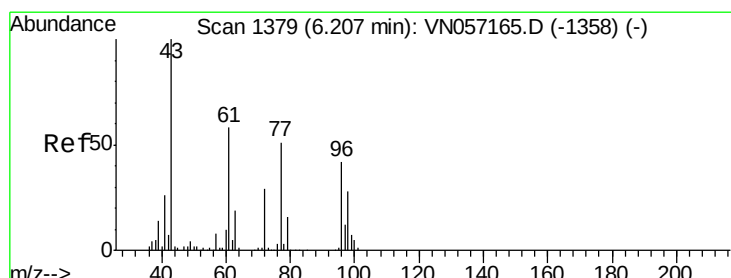
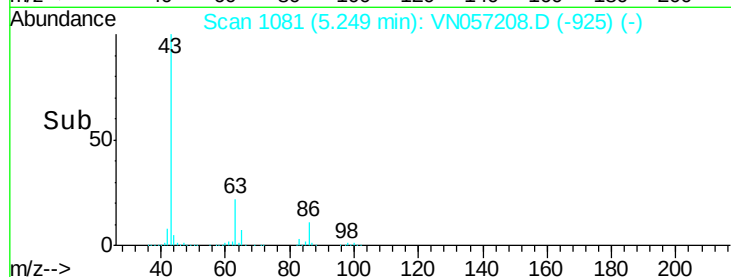
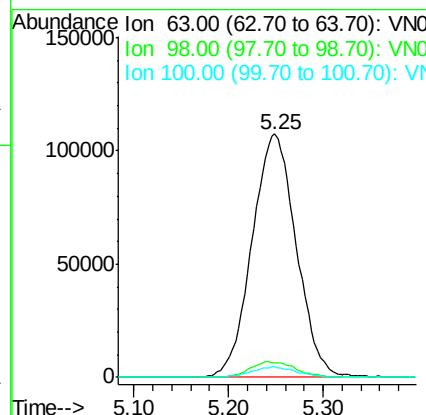
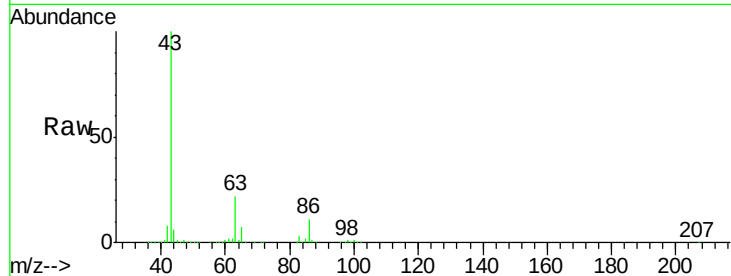
#21
 1,1-Dichloroethane
 Concen: 19.519 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.1	3.5	10.4	
100	4.3	1.9	5.7	

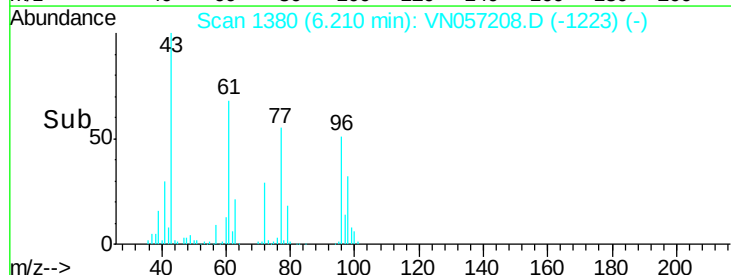
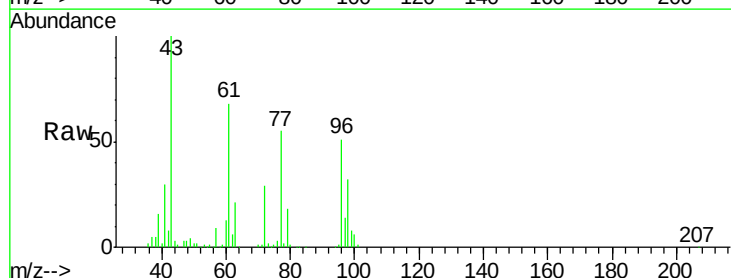
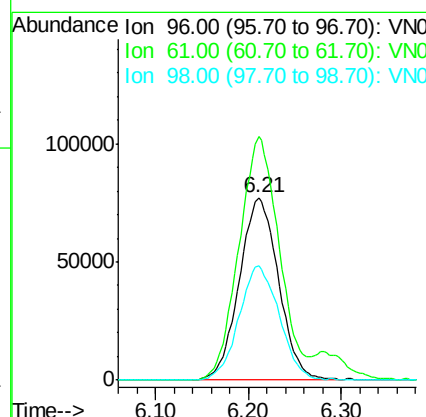
Manual Integrations
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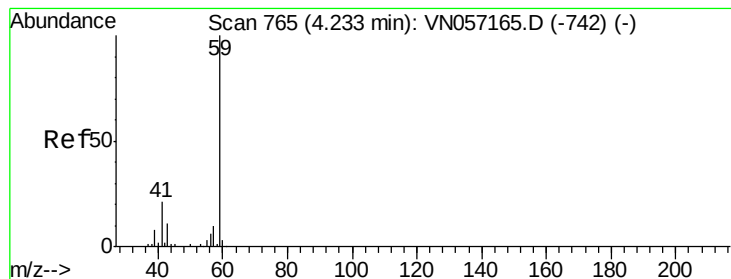
MMDadoda
 8/14/2019 9:23:38 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.633 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.6	109.2	163.8	
98	64.0	51.7	77.5	





#23

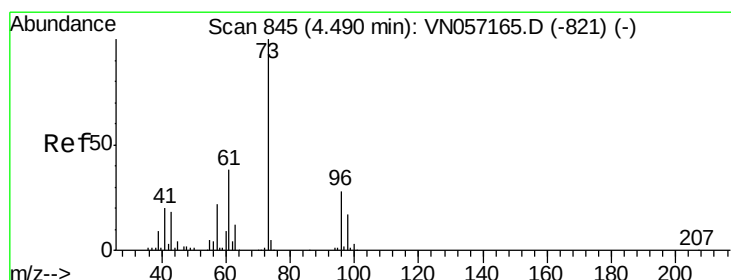
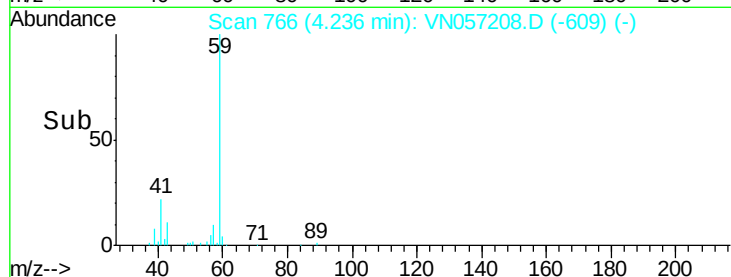
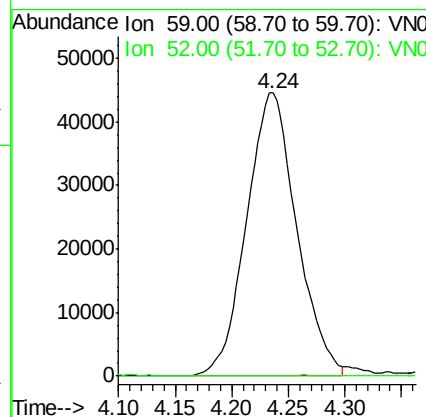
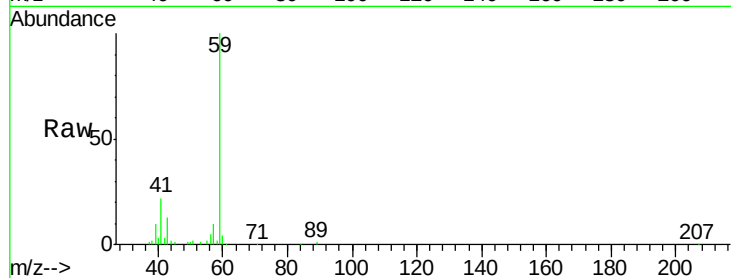
tert-Butyl Alcohol
 Concen: 100.787 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		137285		
52	0.1		0.2	0.2#	

Manual Integrations
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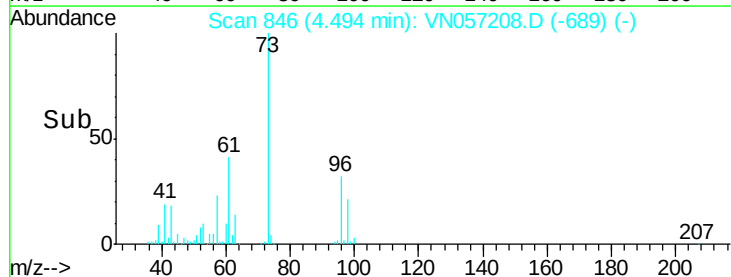
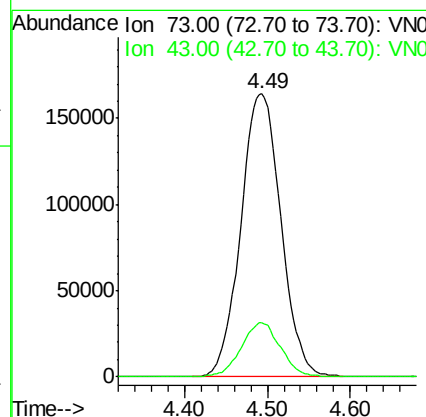
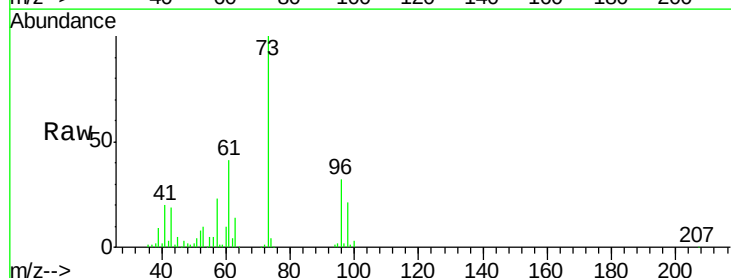
MMDadoda
 8/14/2019 9:23:38 AM

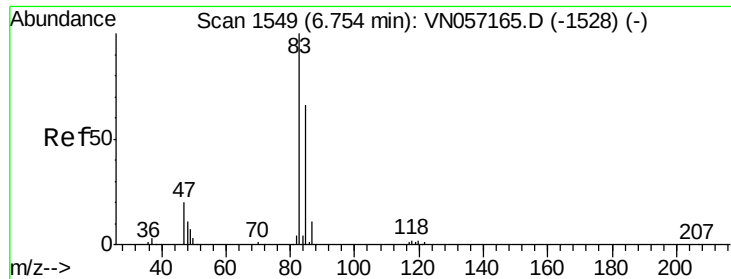


#24

Methyl tert-Butyl Ether
 Concen: 19.762 ug/l
 RT: 4.49 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		551951		
43	18.2		14.3	21.5	





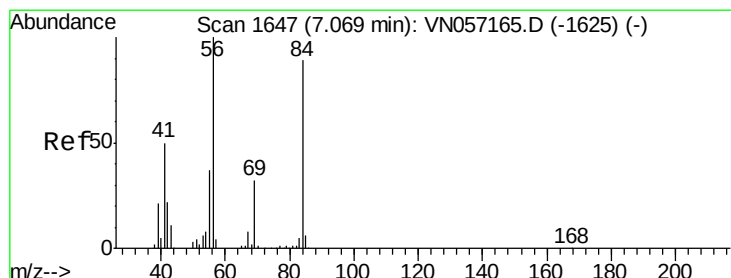
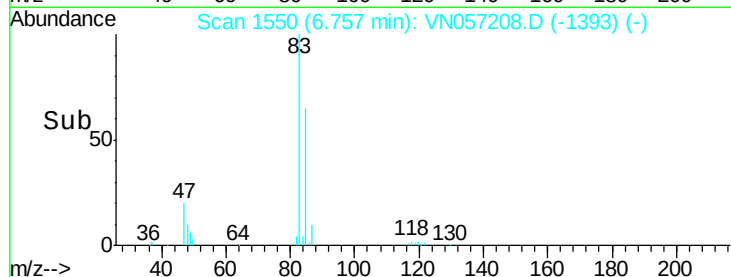
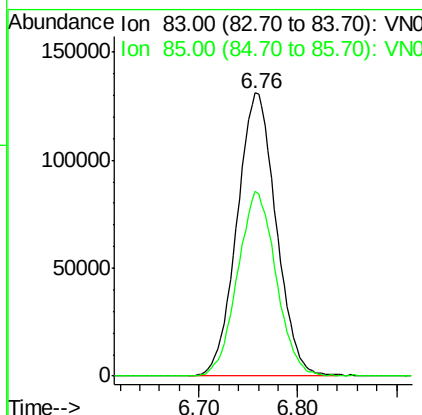
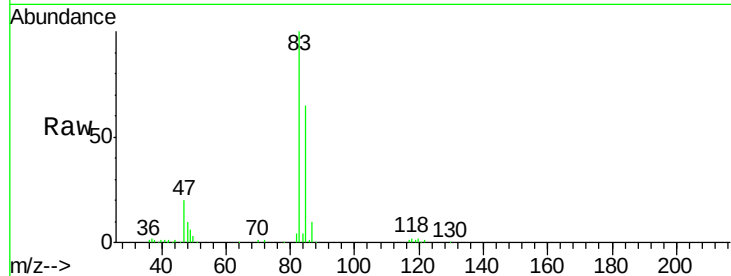
#25
Chloroform
Concen: 19.702 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	83	Resp	360319
Ion Ratio	100	Lower	Upper
85	65.4	52.5	78.7

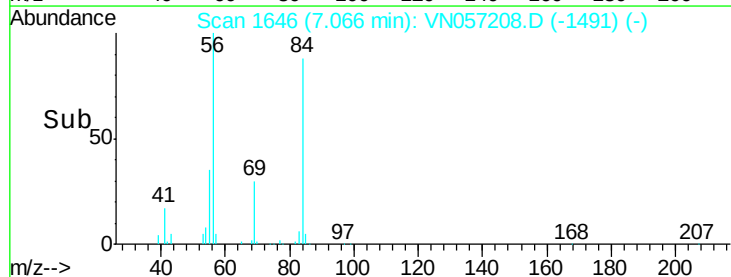
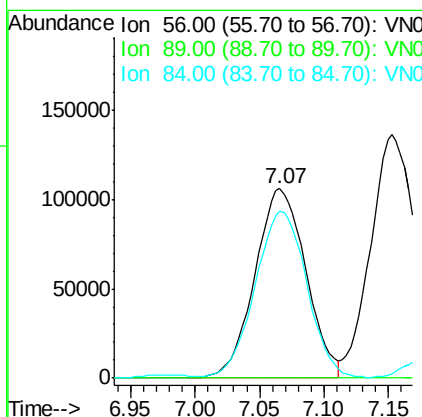
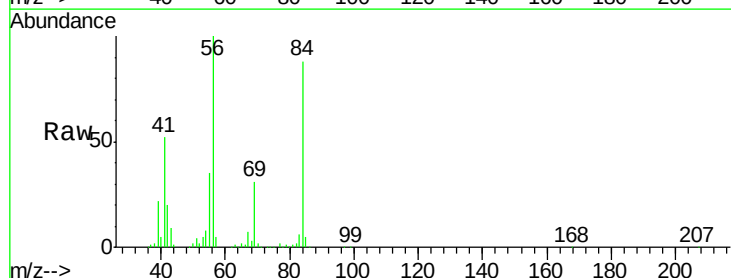
Manual Integrations
APPROVED

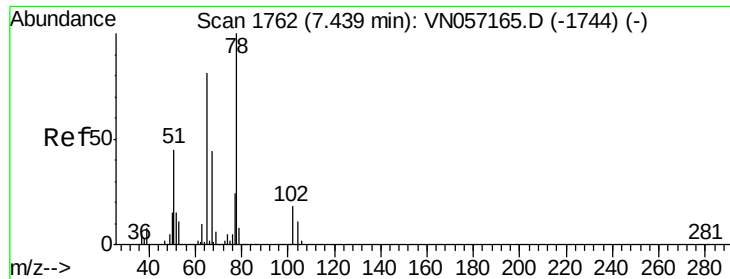
MMDadoda
8/14/2019 9:23:38 AM



#26
Cyclohexane
Concen: 19.189 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	56	Resp	291762
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	88.5	70.8	106.2





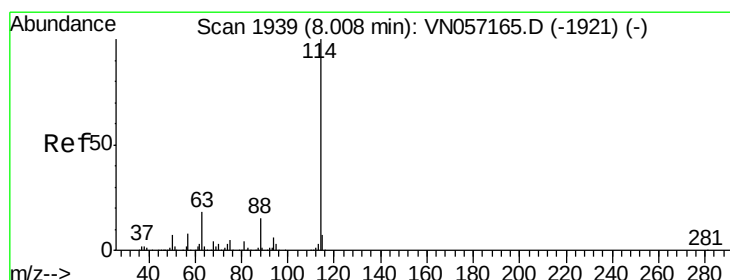
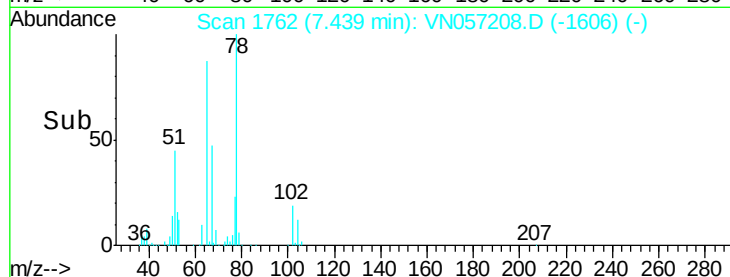
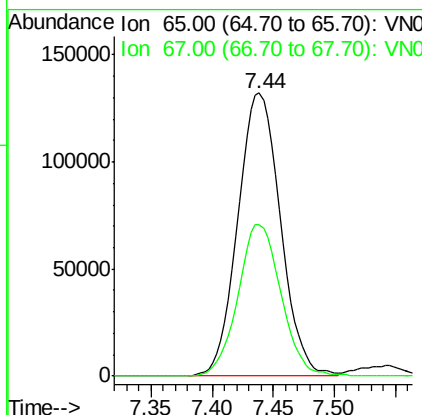
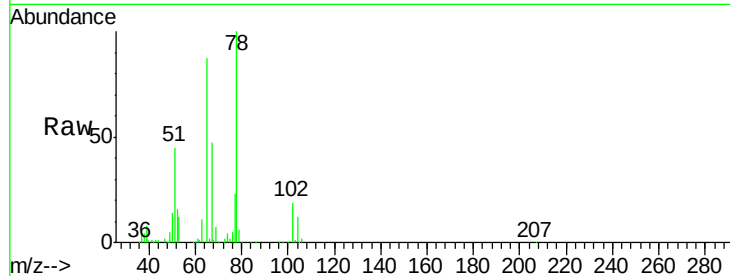
#27
 1,2-Dichloroethane-d4
 Concen: 29.626 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	42.4	63.6

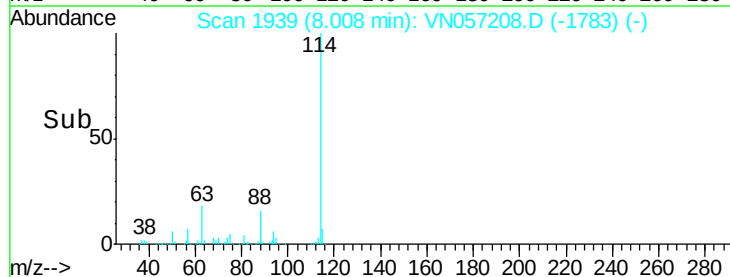
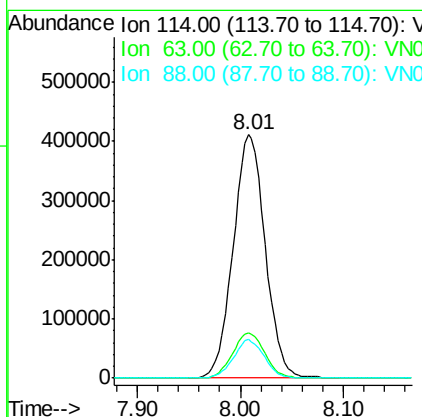
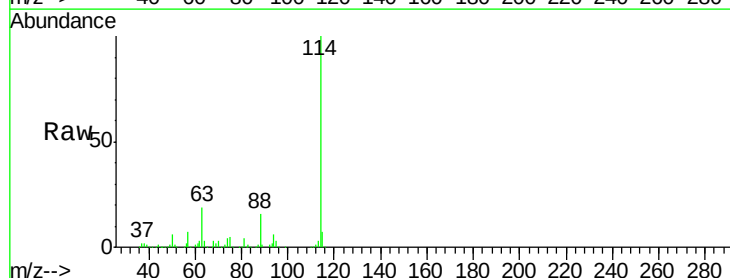
Manual Integrations
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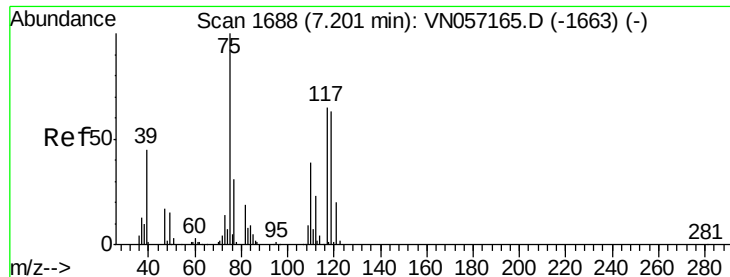
MMDadoda
 8/14/2019 9:23:38 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	14.6	21.8
88	15.3	12.2	18.2





#29

1,1-Dichloropropene

Concen: 19.858 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

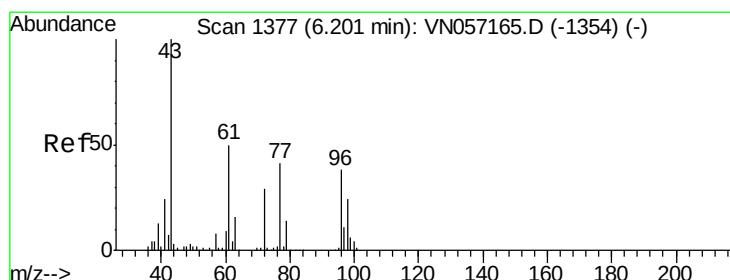
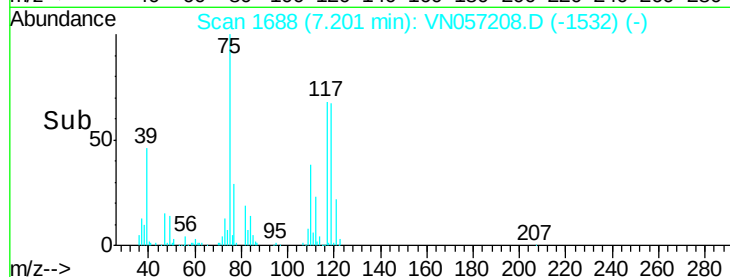
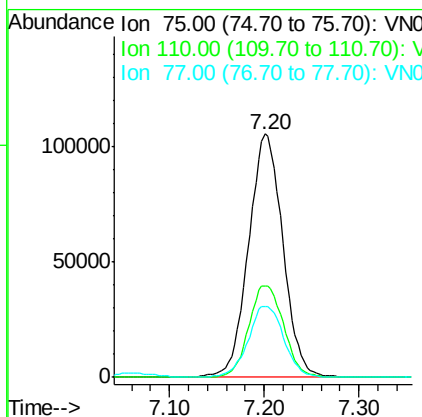
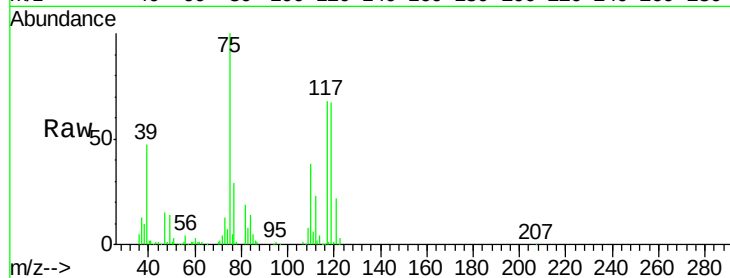
ClientSampleId :

VN0812WBSD01

Tot Ion:	75	Resp:	265771
Ion Ratio	Lower	Upper	
75	100		
110	38.4	0.0	75.6
77	30.3	0.0	62.4

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#30

2-Butanone

Concen: 96.979 ug/l

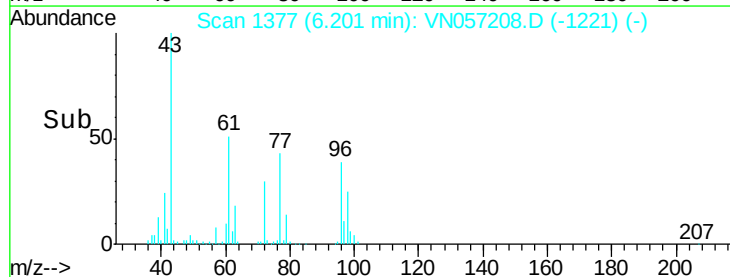
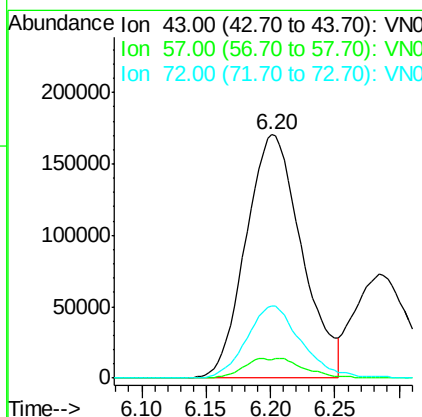
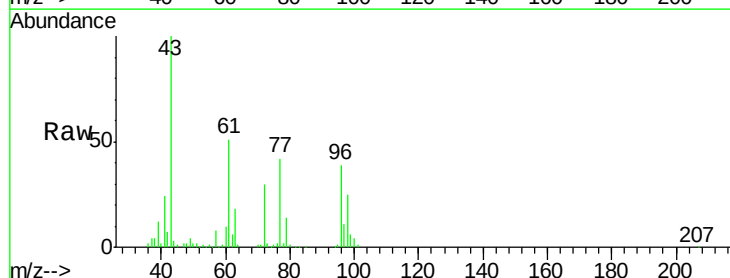
RT: 6.20 min Scan# 1377

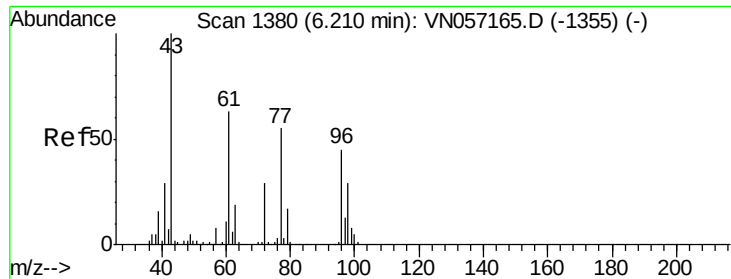
Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	43	Resp:	510992
Ion Ratio	Lower	Upper	
43	100		
57	4.2	6.8	10.2#
72	29.3	23.0	34.6





#31

2,2-Dichloropropane

Concen: 19.721 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 77 Resp: 282197

Ion Ratio Lower Upper

77 100

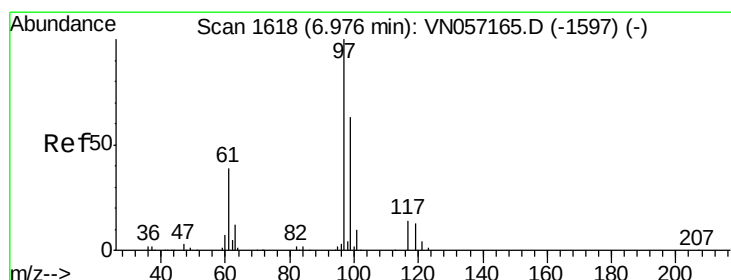
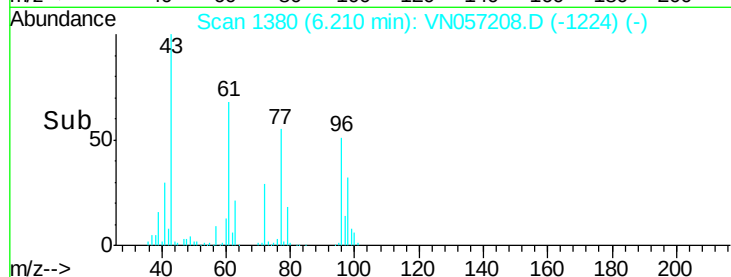
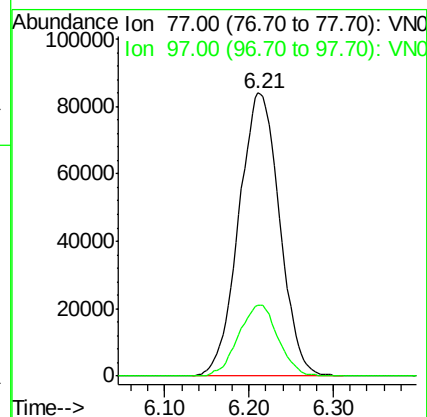
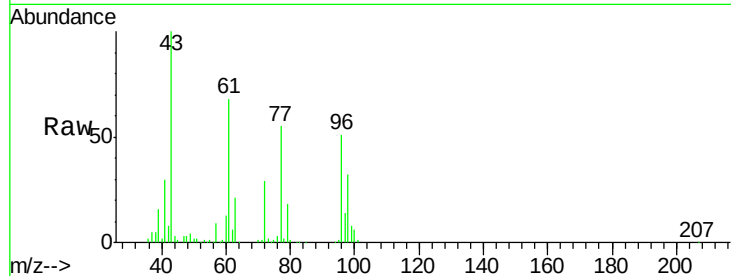
97 24.4 19.4 29.2

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#32

1,1,1-Trichloroethane

Concen: 20.088 ug/l

RT: 6.98 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

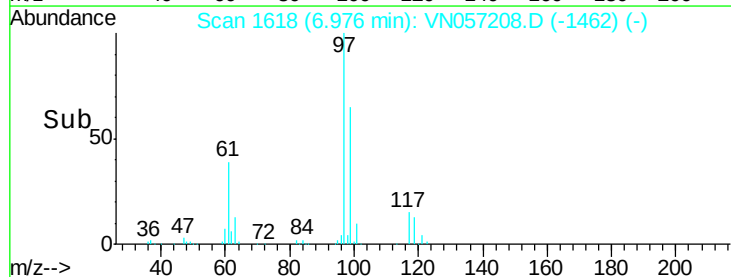
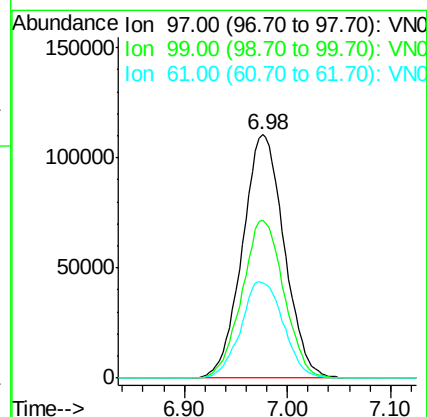
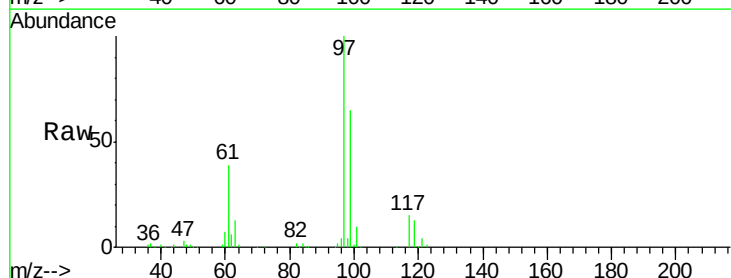
Tgt Ion: 97 Resp: 311347

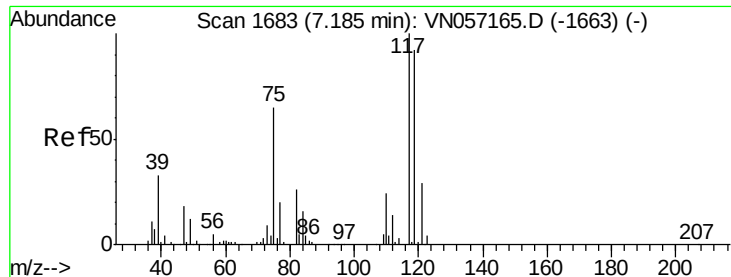
Ion Ratio Lower Upper

97 100

99 65.0 52.4 78.6

61 40.3 32.3 48.5





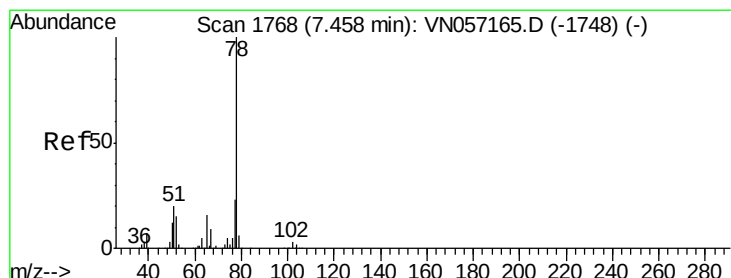
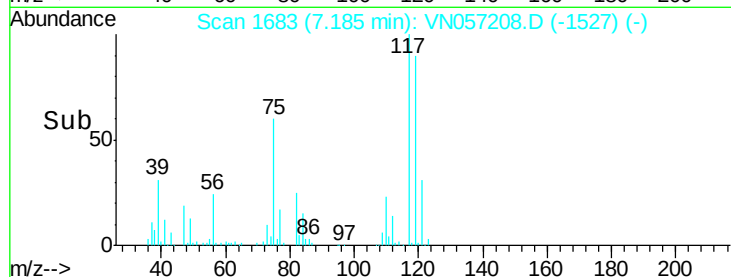
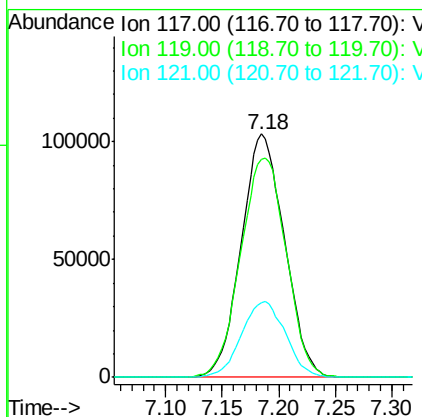
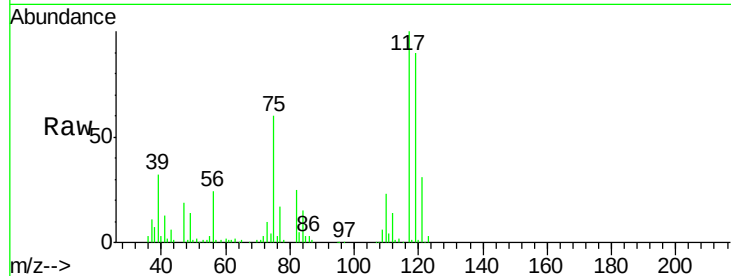
#33
Carbon Tetrachloride
Concen: 19.881 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.8	73.9	110.9
121	30.8	23.4	35.2

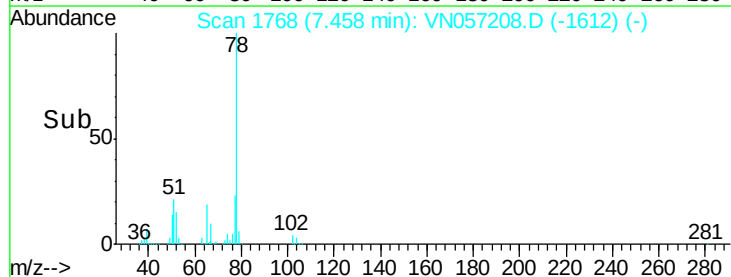
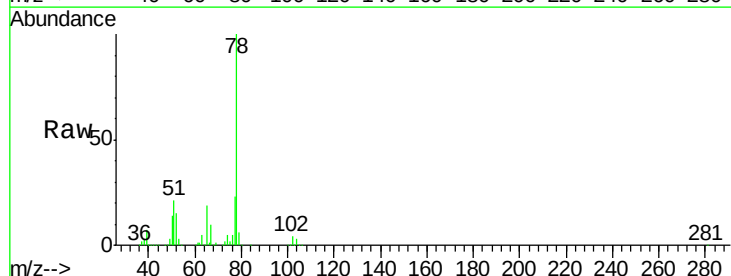
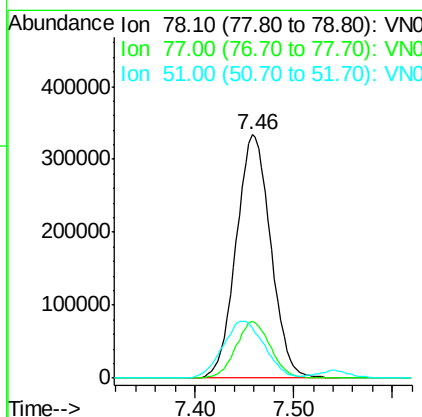
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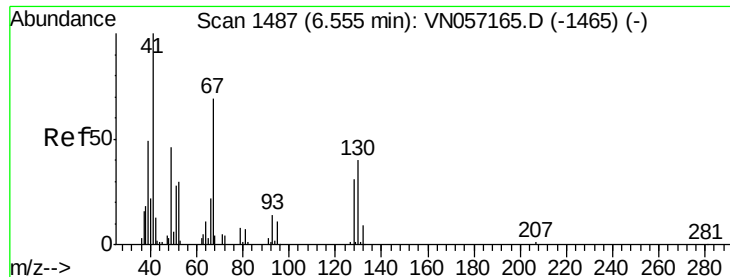
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#34
Benzene
Concen: 19.841 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5
51	20.4	16.2	24.2





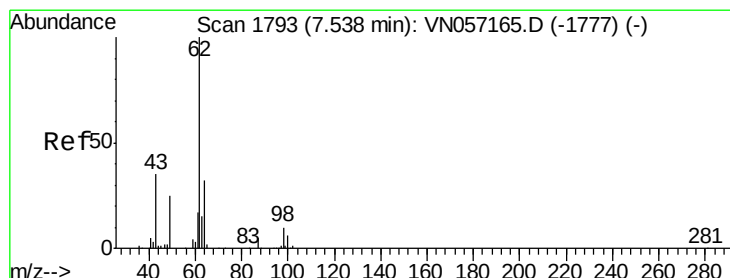
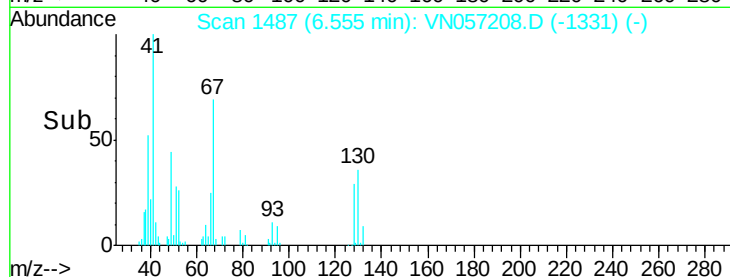
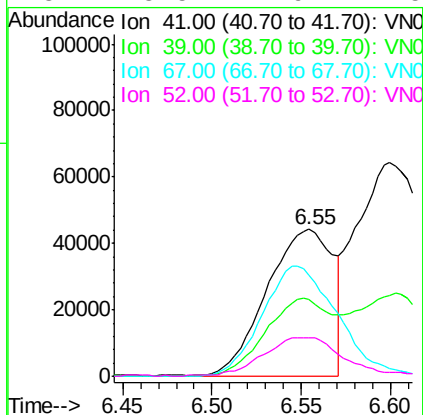
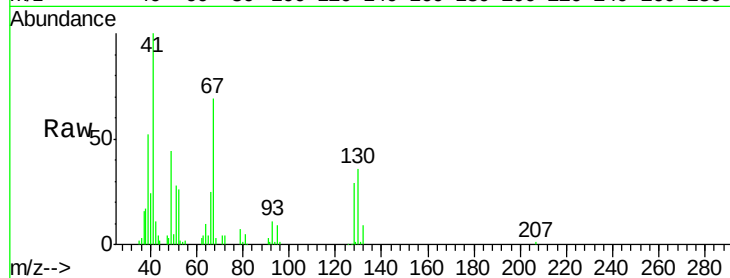
#35
Methacrylonitrile
Concen: 21.353 ug/l
RT: 6.55 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	24.6	74.0
67	69.6	34.4	103.2
52	25.5	14.9	44.5

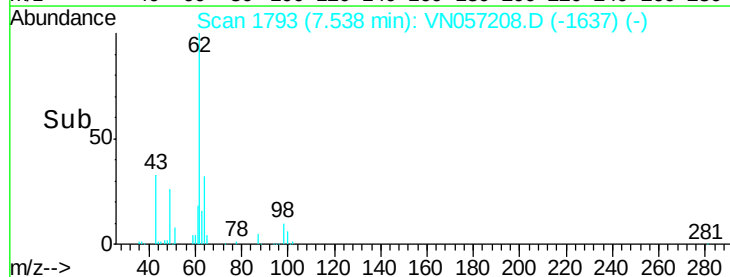
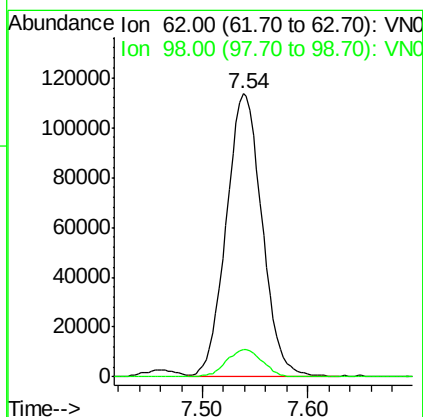
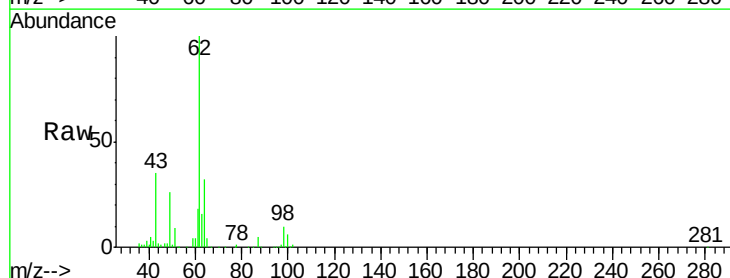
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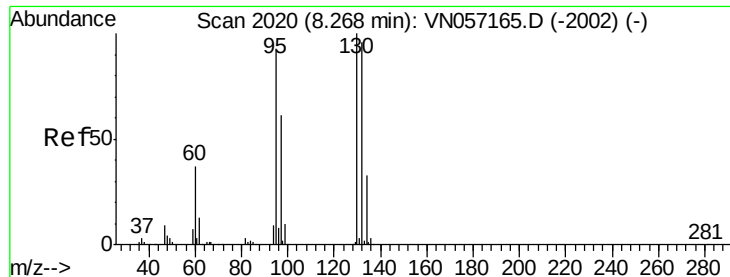
MMDadoda
8/14/2019 9:23:38 AM



#36
1,2-Dichloroethane
Concen: 20.492 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.2	12.4





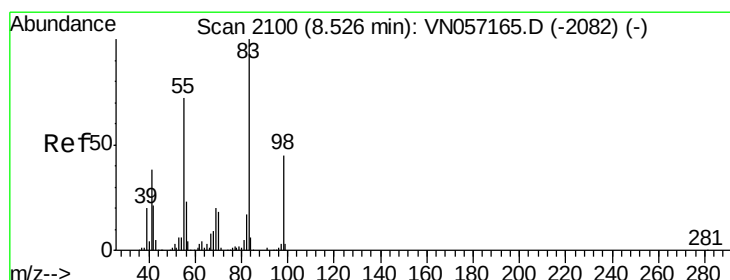
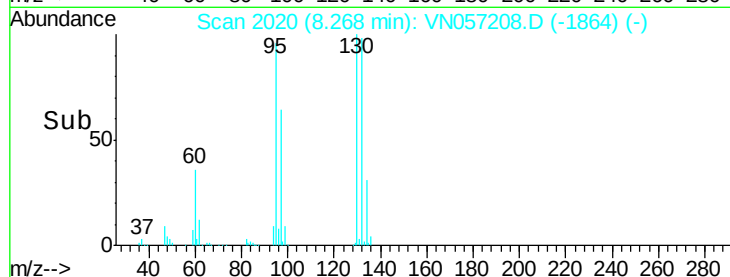
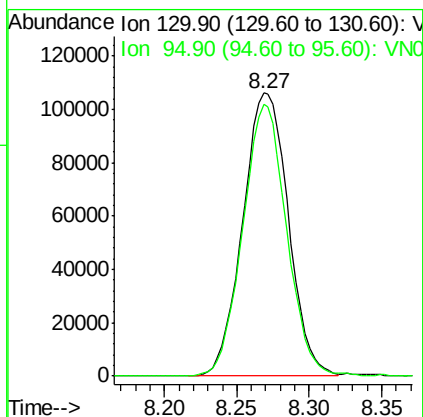
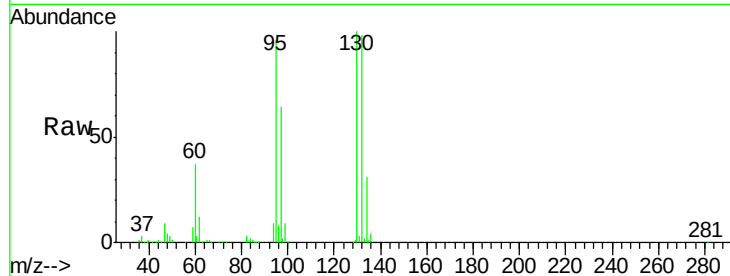
#37
 Trichloroethene
 Concen: 19.967 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion:130 Resp: 231804
 Ion Ratio Lower Upper
 130 100
 95 96.0 74.6 112.0

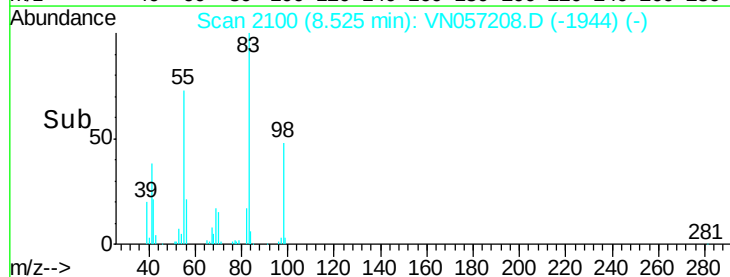
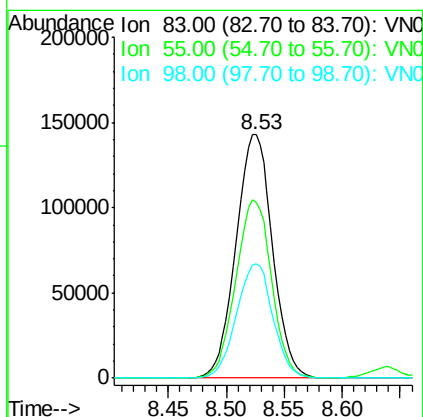
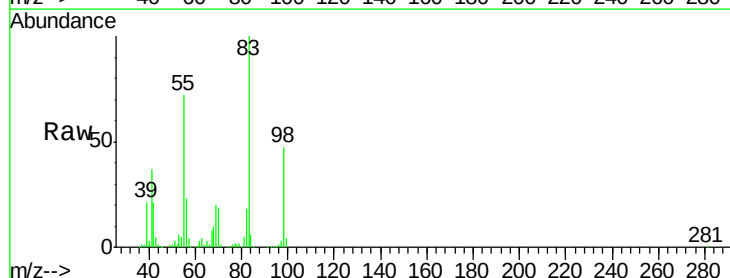
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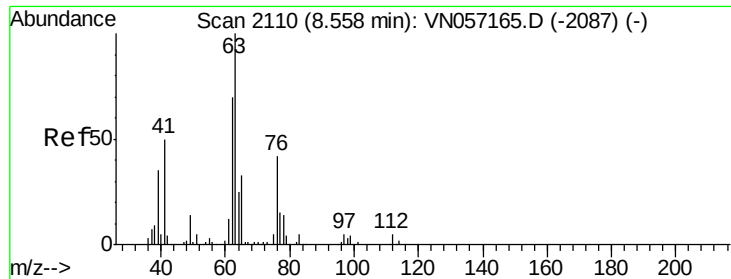
MMDadoda
 8/14/2019 9:23:38 AM



#38
 Methylcyclohexane
 Concen: 19.575 ug/l
 RT: 8.53 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion: 83 Resp: 312634
 Ion Ratio Lower Upper
 83 100
 55 71.9 36.5 109.7
 98 46.8 23.4 70.0





#39

1,2-Dichloropropane

Concen: 20.098 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 63 Resp: 211647

Ion Ratio Lower Upper

63 100

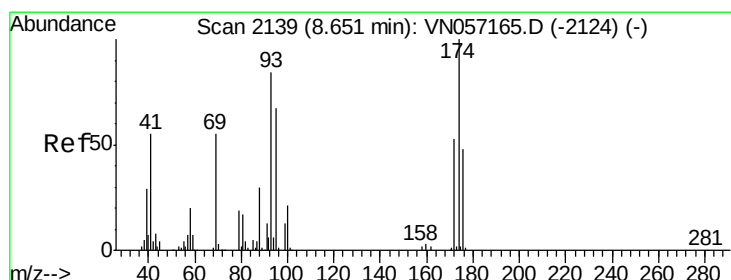
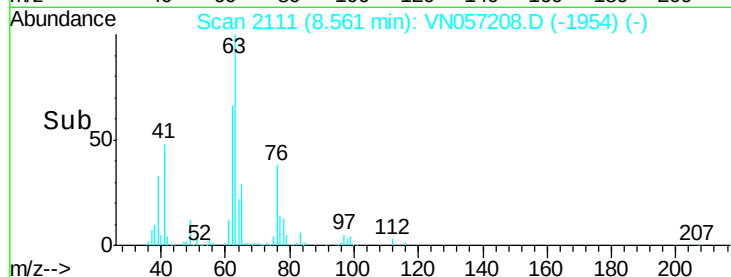
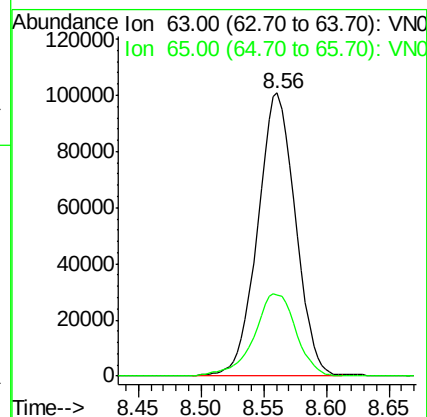
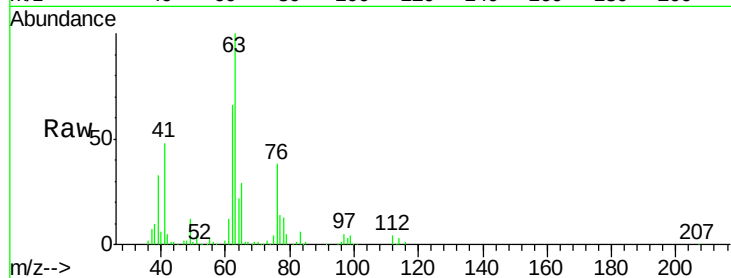
65 28.7 26.2 39.4

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#40

Dibromomethane

Concen: 20.319 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

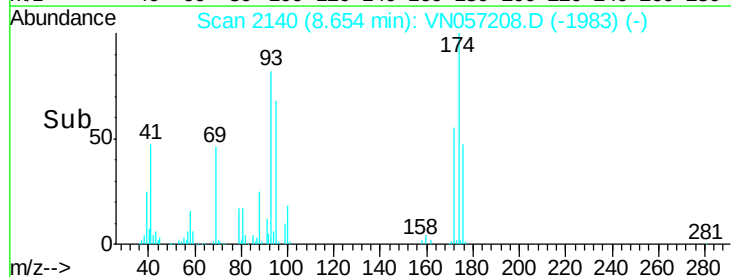
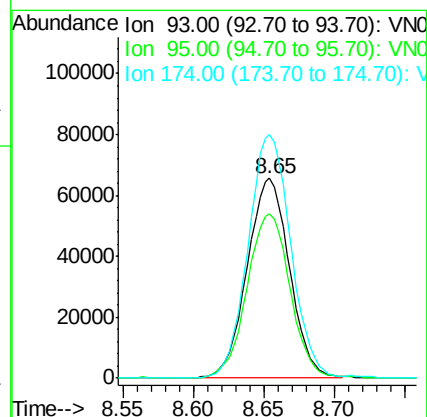
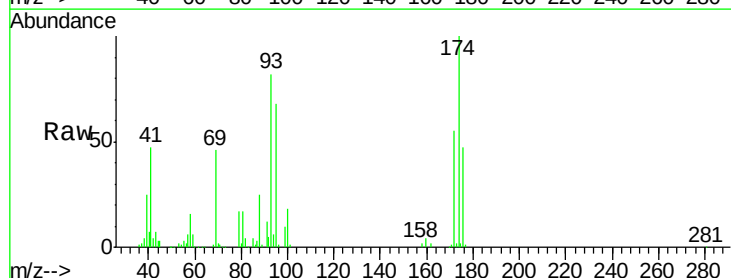
Tgt Ion: 93 Resp: 137751

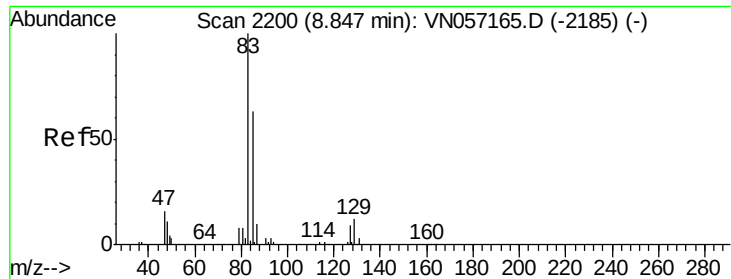
Ion Ratio Lower Upper

93 100

95 83.7 0.0 165.0

174 122.6 0.0 245.4





#41

Bromodichloromethane

Concen: 19.978 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

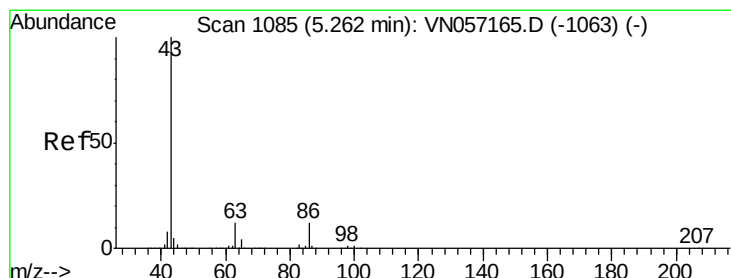
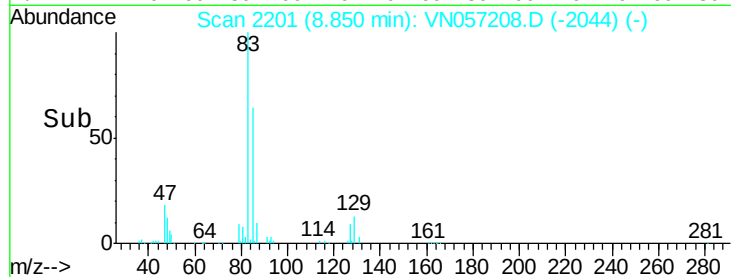
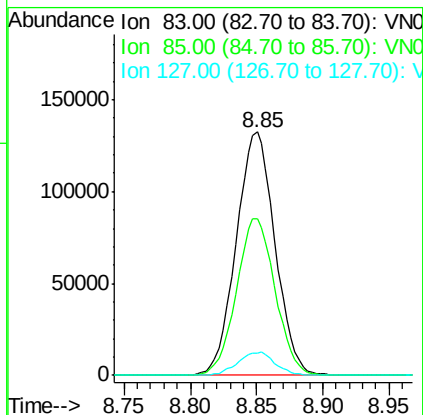
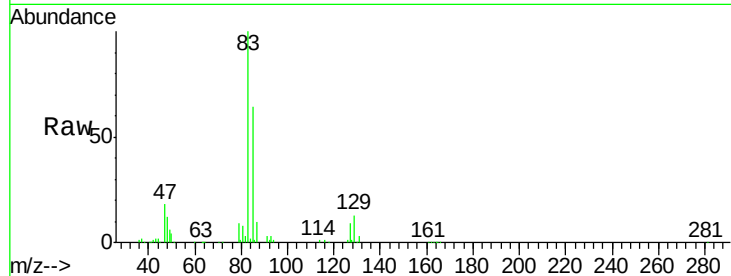
ClientSampleId :

VN0812WBSD01

Tot Ion:	83	Resp:	269302
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.6	76.0
127	9.3	7.0	10.6

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#42

Vinyl Acetate

Concen: 100.458 ug/l

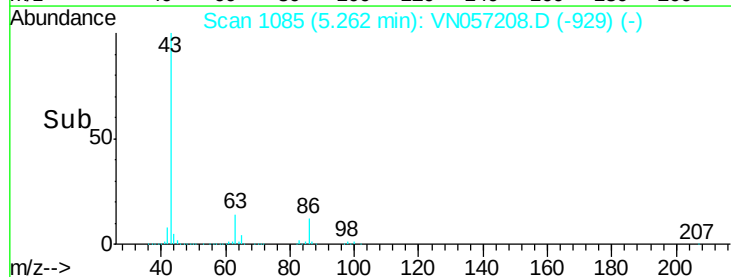
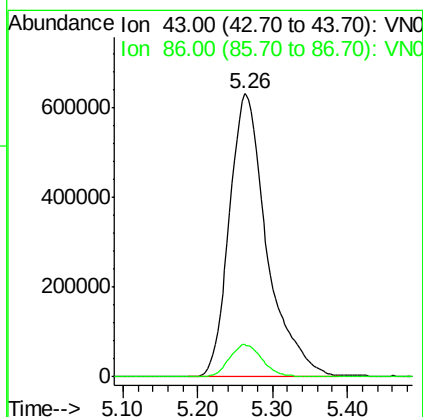
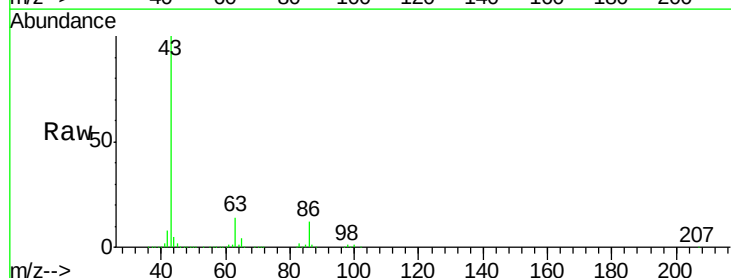
RT: 5.26 min Scan# 1085

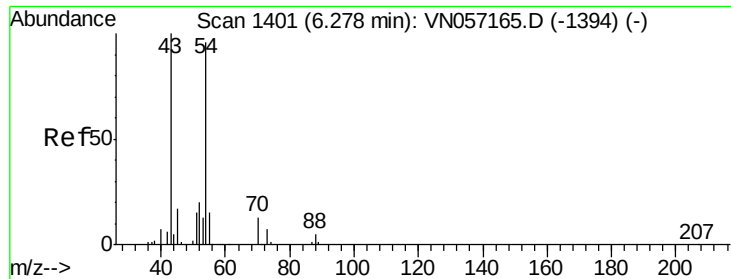
Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	43	Resp:	2200518
Ion Ratio	Lower	Upper	
43	100		
86	10.1	8.0	12.0





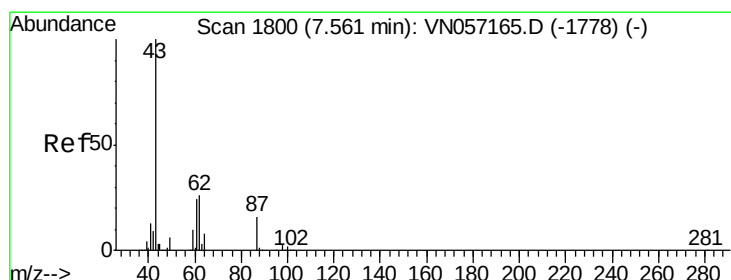
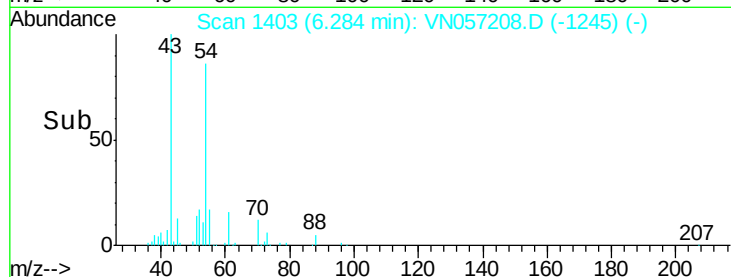
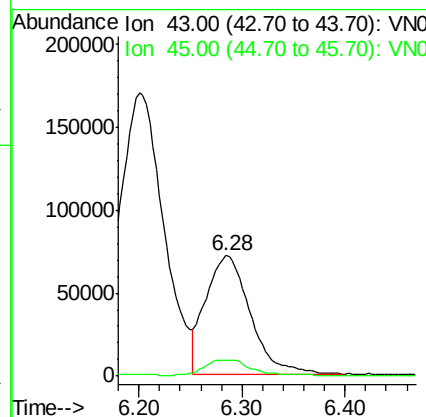
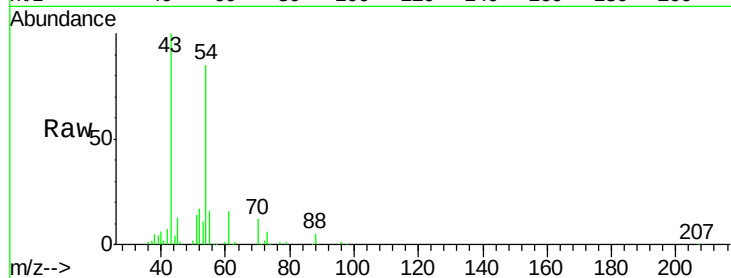
#43
Ethyl Acetate
Concen: 22.068 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	43	45	Ratio	Lower	Upper
214453	100	6.5		10.1	15.1

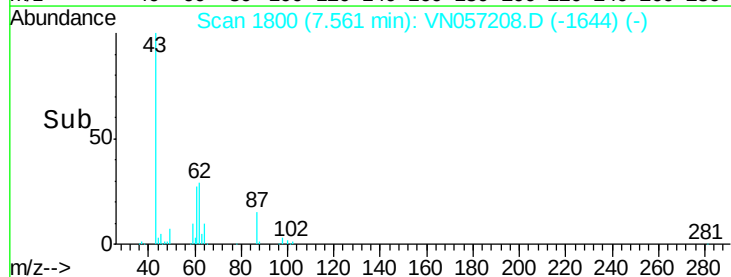
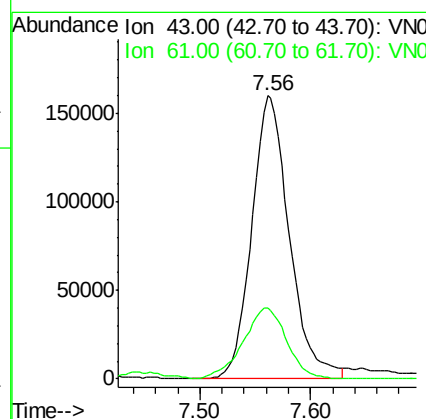
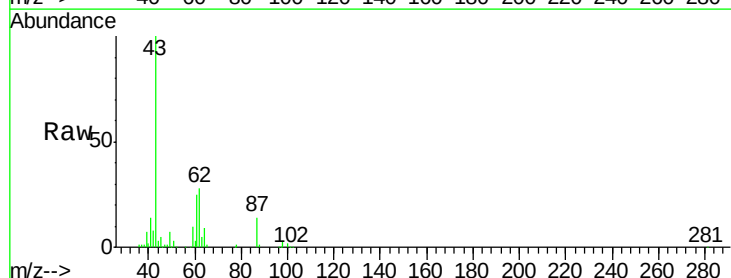
Manual Integrations
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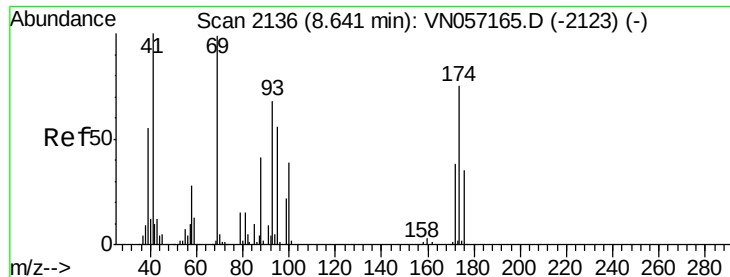
MMDadoda
8/14/2019 9:23:38 AM



#44
Isopropyl Acetate
Concen: 21.186 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	43	61	Ratio	Lower	Upper
373812	100	28.7		22.2	33.4





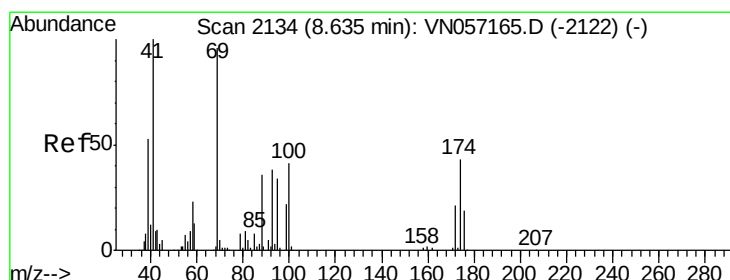
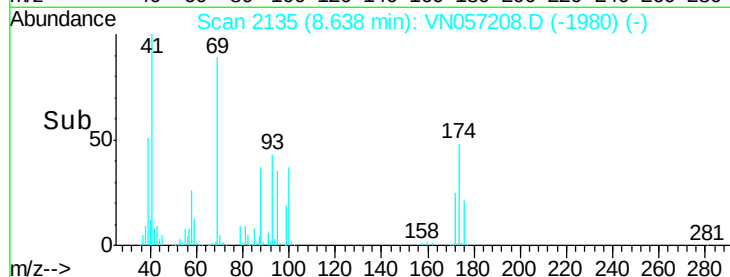
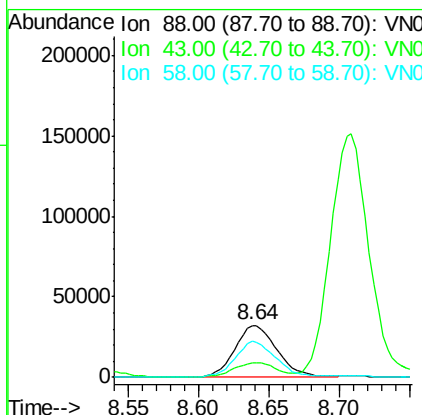
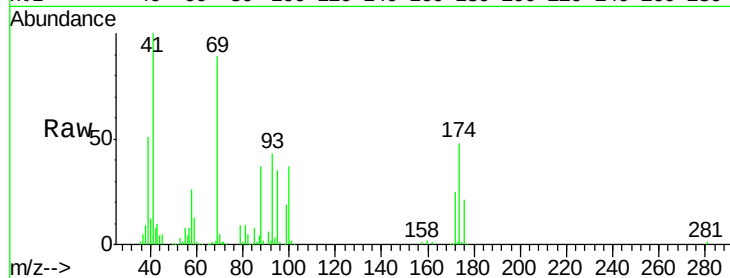
#45
 1,4-Dioxane
 Concen: 413.953 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.5	30.7
58	66.2	53.8	80.8

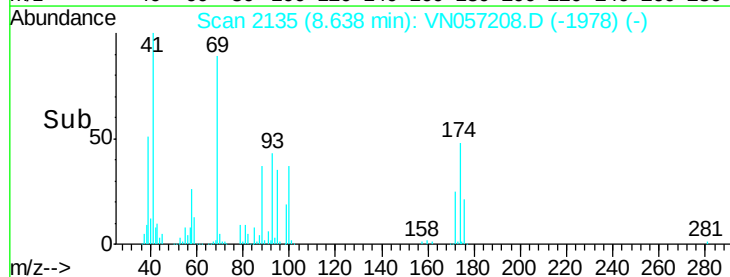
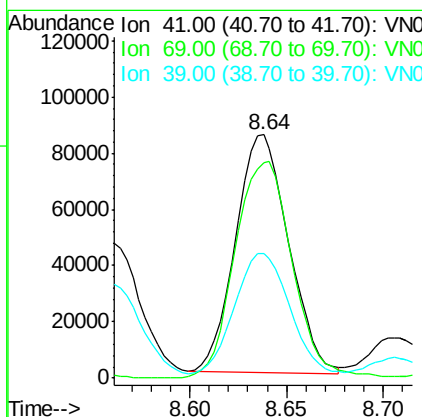
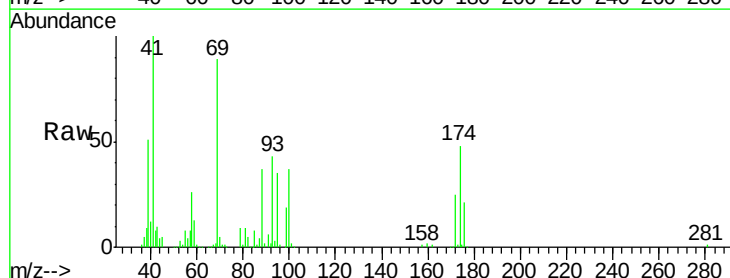
Manual Integrations
 APPROVED

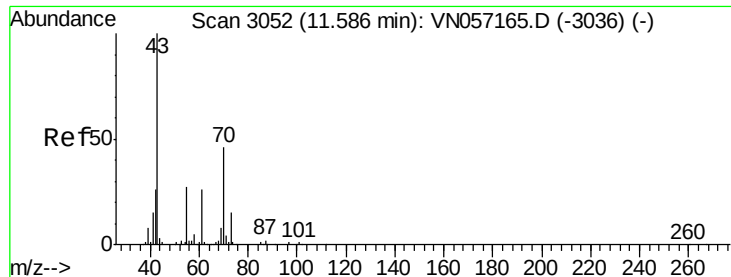
MMDadoda
 8/14/2019 9:23:38 AM



#46
 Methyl methacrylate
 Concen: 20.039 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.1	48.1	144.4
39	50.8	26.5	79.5





#47

n-amyl Acetate

Concen: 18.865 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 43 Resp: 244895

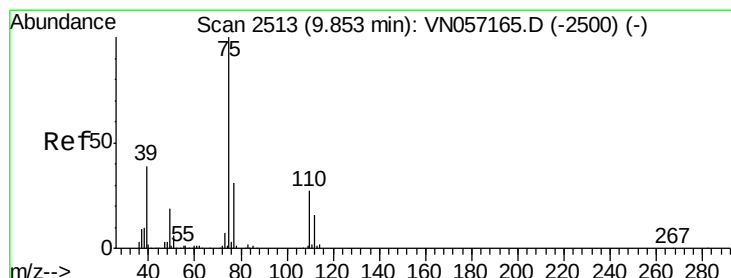
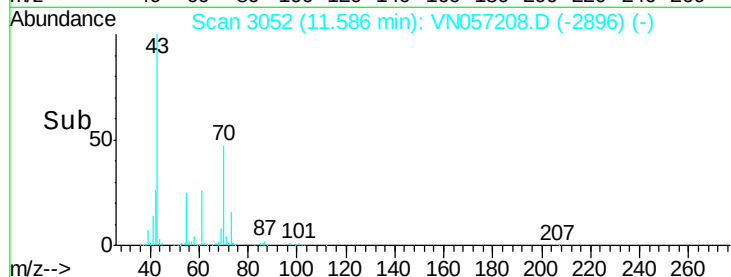
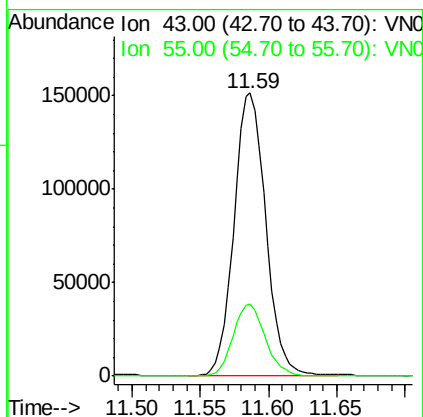
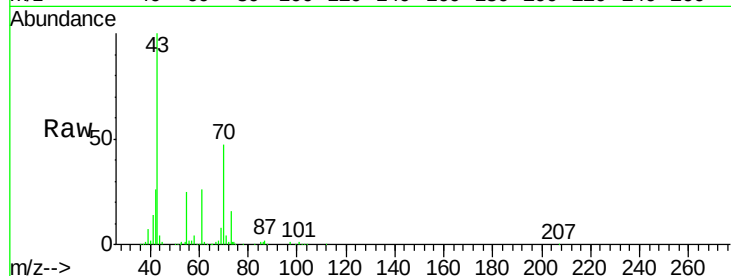
Ion Ratio Lower Upper

43 100

55 25.9 20.7 31.1

Manual Integrations
APPROVED

MMDadoda
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#48

t-1,3-Dichloropropene

Concen: 19.967 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057208.D

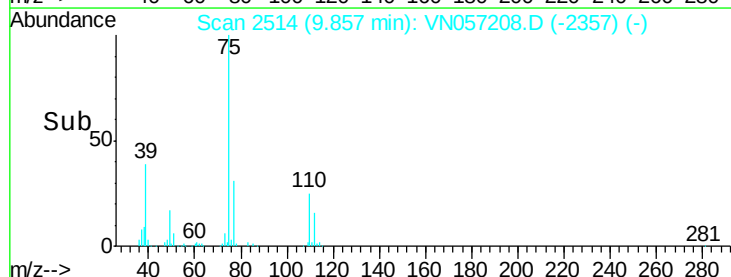
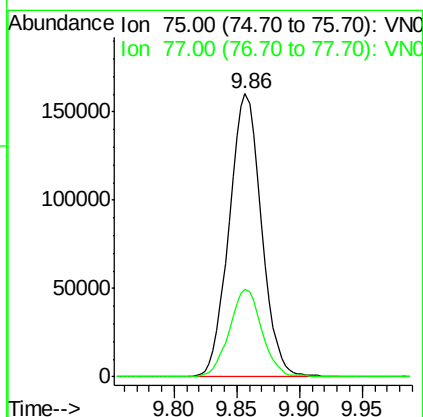
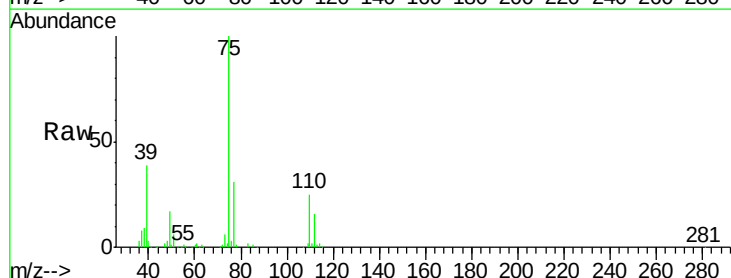
Acq: 12 Aug 2019 11:47

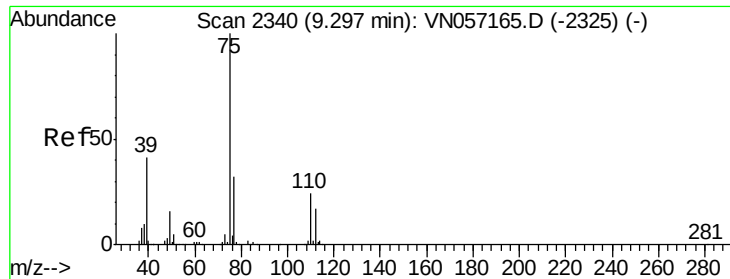
Tgt Ion: 75 Resp: 287006

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3





#49

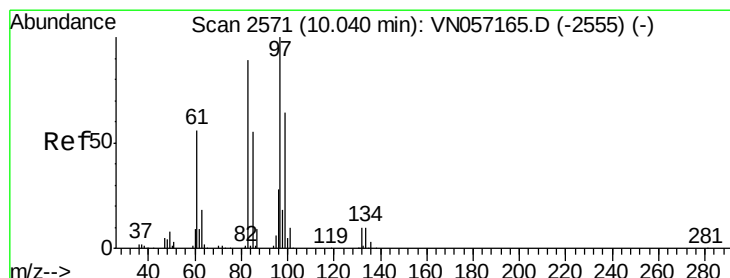
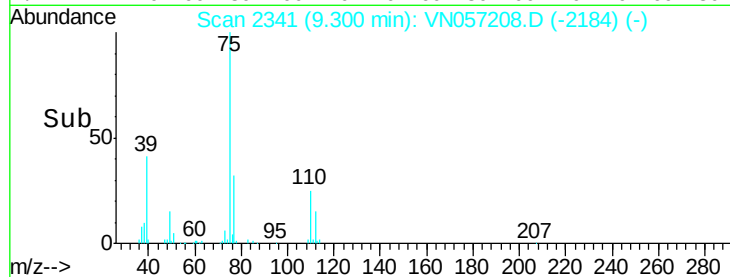
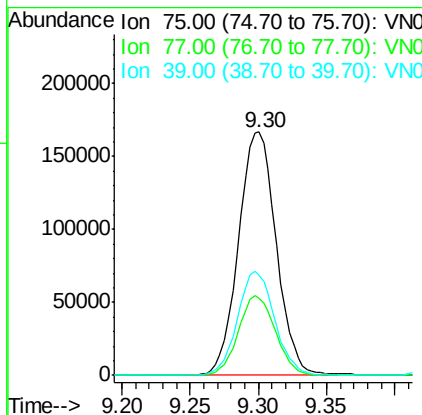
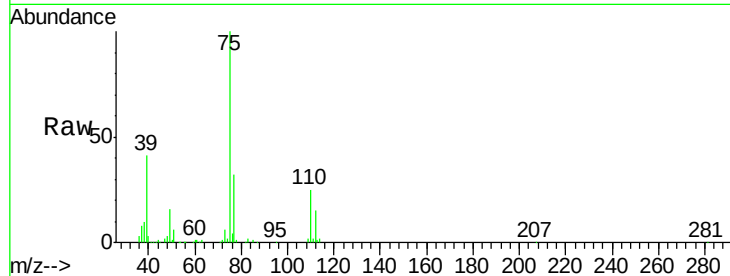
cis-1,3-Dichloropropene
 Concen: 19.661 ug/l
 RT: 9.30 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	41.3	33.0	49.6

Manual Integrations
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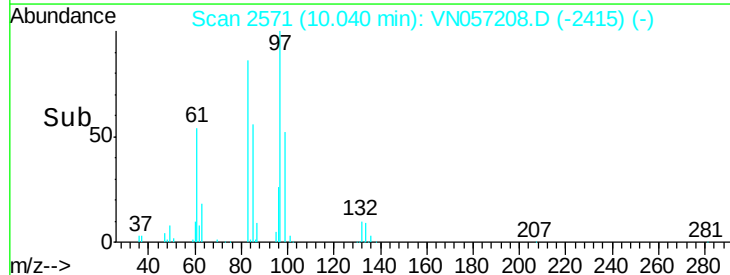
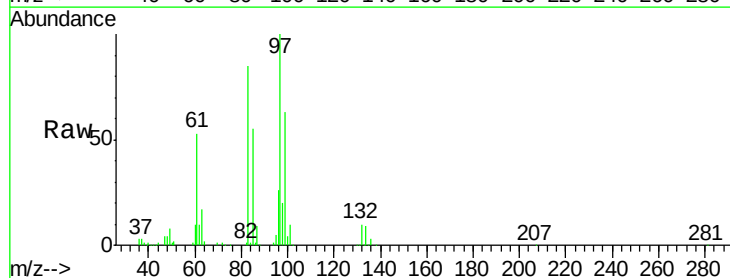
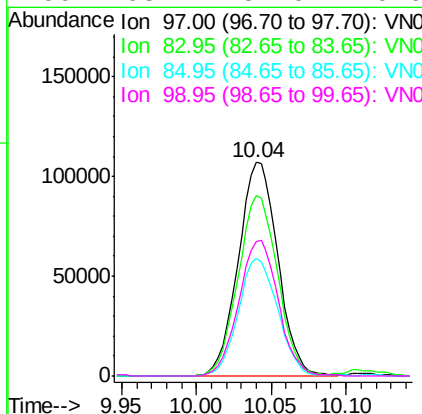
MMDadoda
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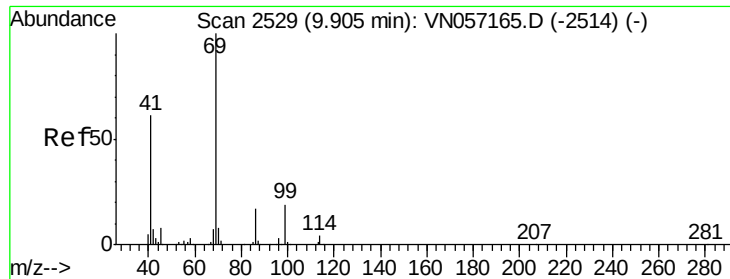


#50

1,1,2-Trichloroethane
 Concen: 20.381 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.4	107.0
85	54.9	43.8	65.8
99	63.1	51.0	76.6





#51

Ethyl methacrylate

Concen: 20.009 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

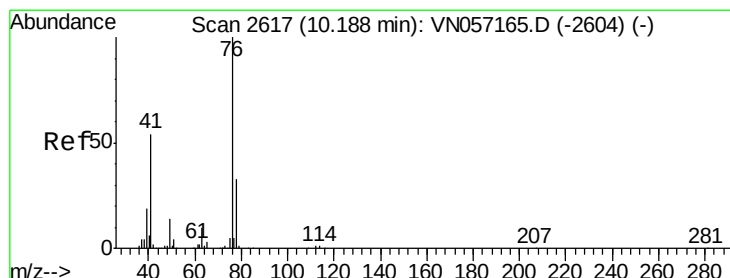
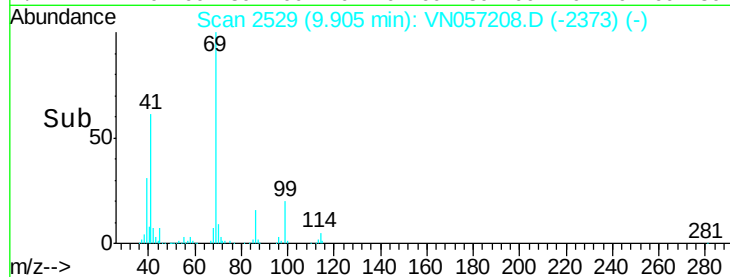
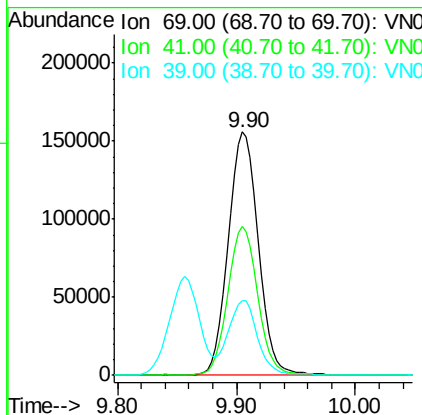
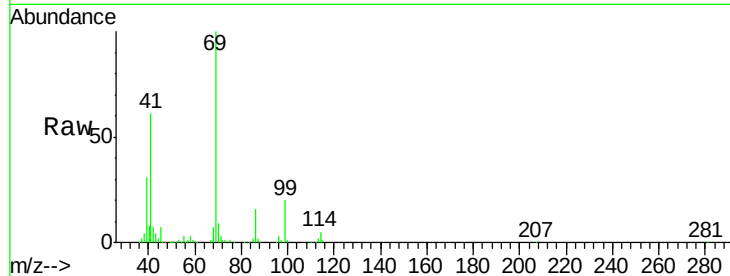
ClientSampleId :

VN0812WBSD01

Tot Ion:	69	Resp:	273591
Ion Ratio		Lower	Upper
69	100		
41	60.8	30.4	91.2
39	30.7	14.8	44.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.996 ug/l

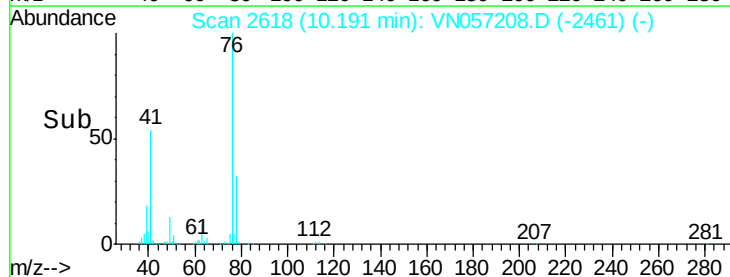
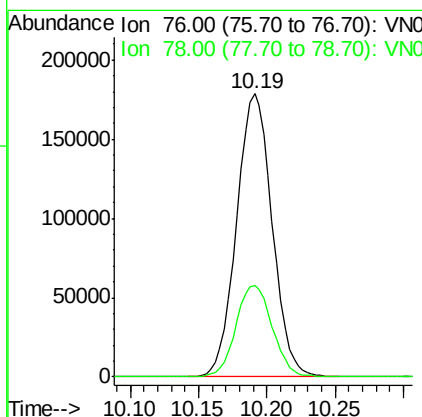
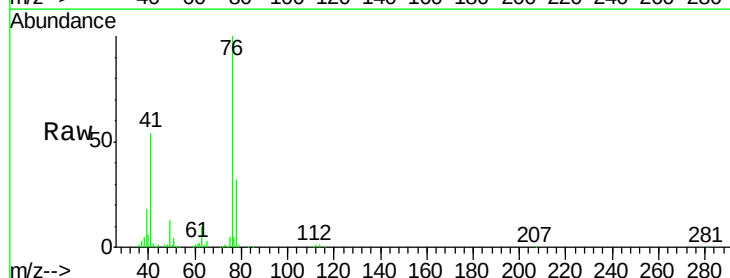
RT: 10.19 min Scan# 2618

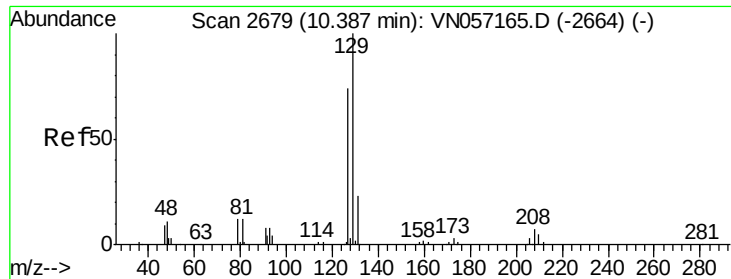
Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	76	Resp:	322948
Ion Ratio		Lower	Upper
76	100		
78	33.0	0.0	65.0





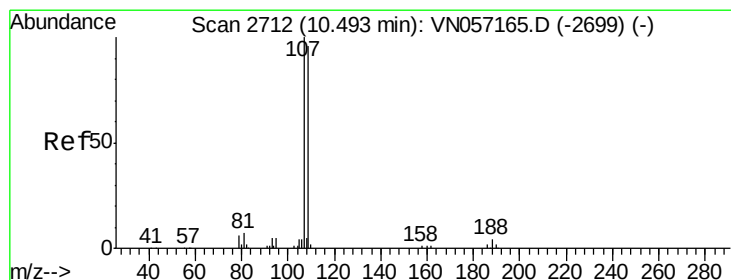
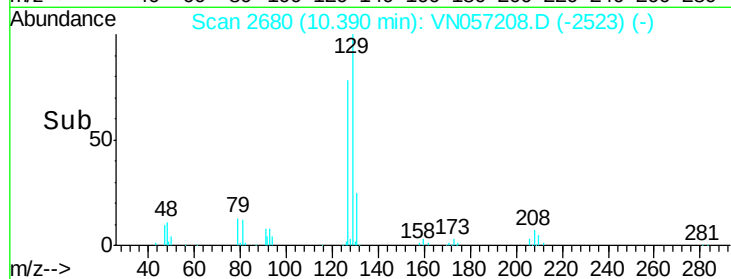
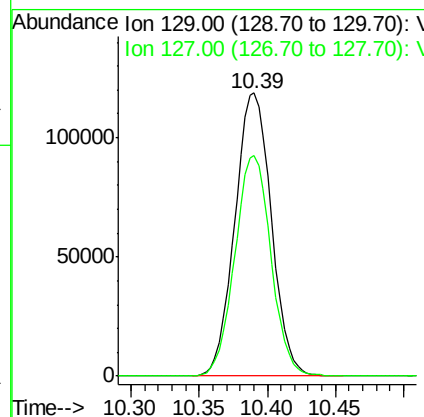
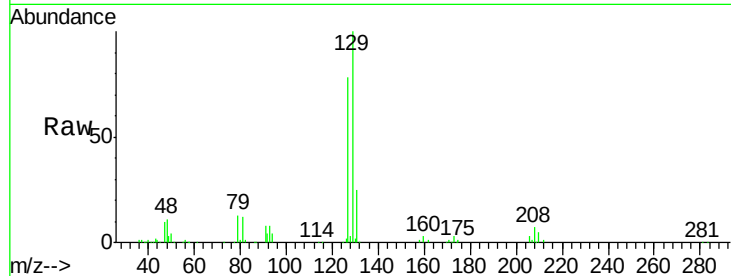
#53
 Dibromochloromethane
 Concen: 20.225 ug/l
 RT: 10.39 min Scan# 2680
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6

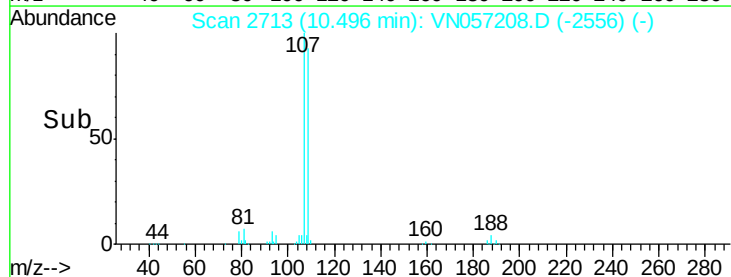
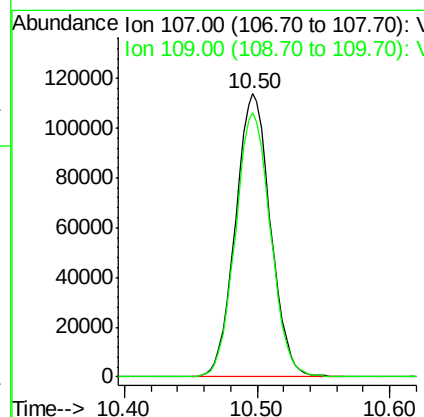
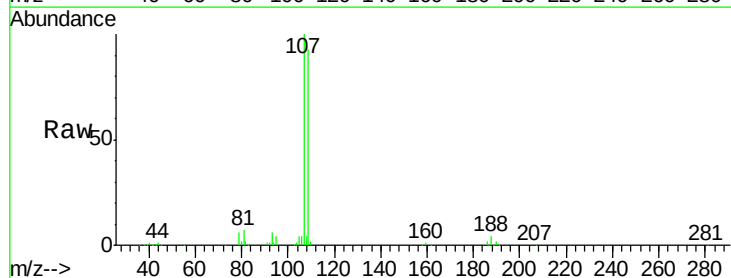
Manual Integrations
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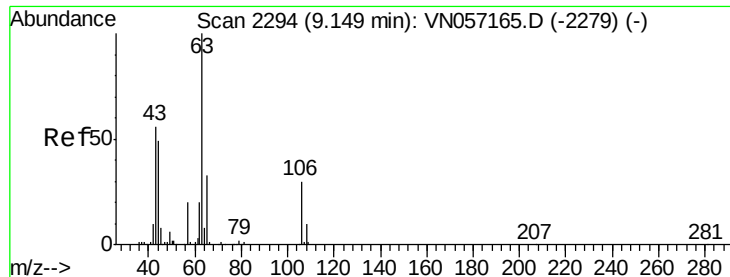
MMDadoda
 8/14/2019 9:23:38 AM



#54
 1,2-Dibromoethane
 Concen: 20.632 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.8	115.2





#55

2-Chloroethyl vinyl ether

Concen: 89.081 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 63 Resp: 343922

Ion Ratio Lower Upper

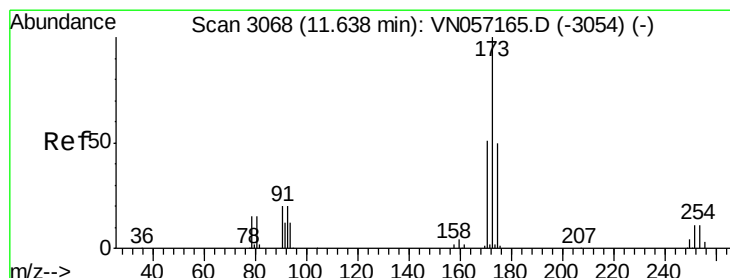
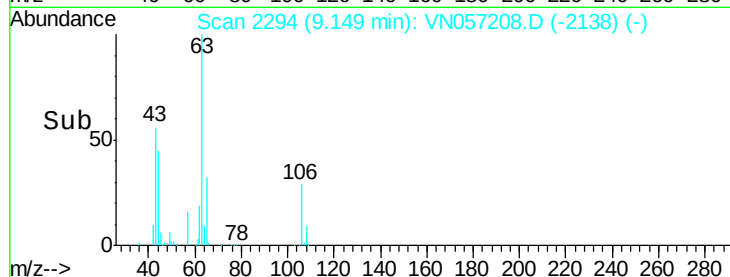
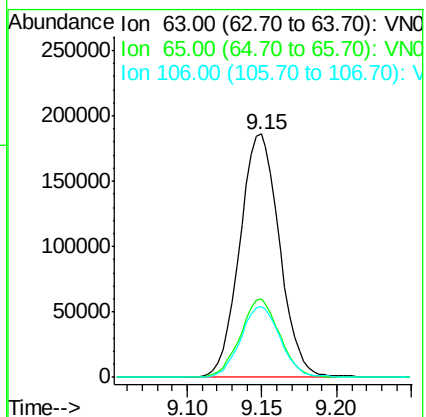
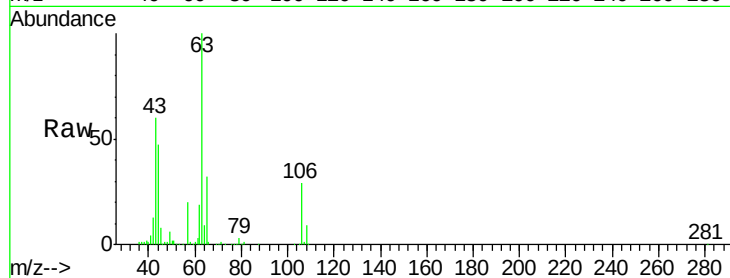
63 100

65 31.8 26.0 39.0

106 29.3 23.3 34.9

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#56

Bromoform

Concen: 20.176 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

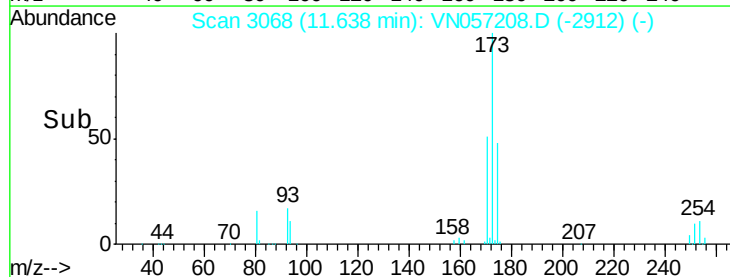
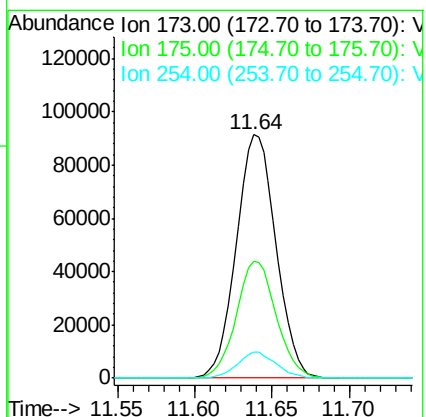
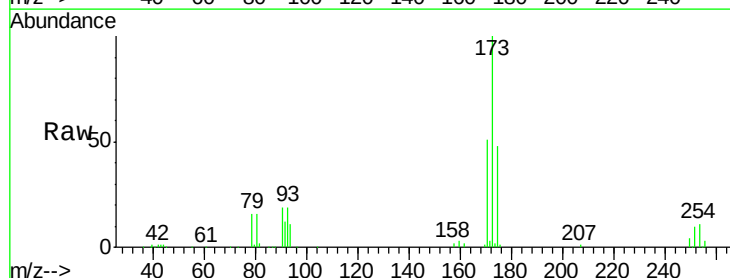
Tgt Ion: 173 Resp: 162778

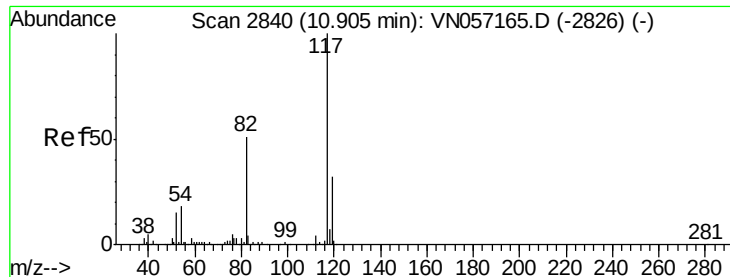
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 10.4 8.6 13.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

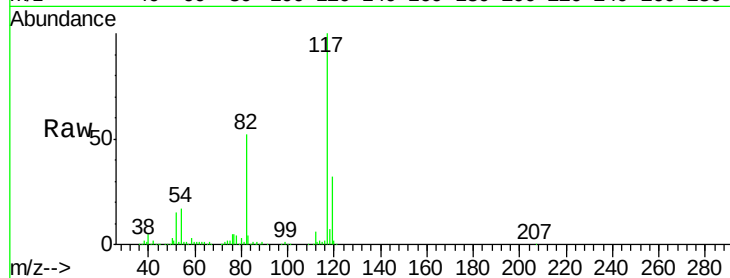
ClientSampleId :

VN0812WBSD01

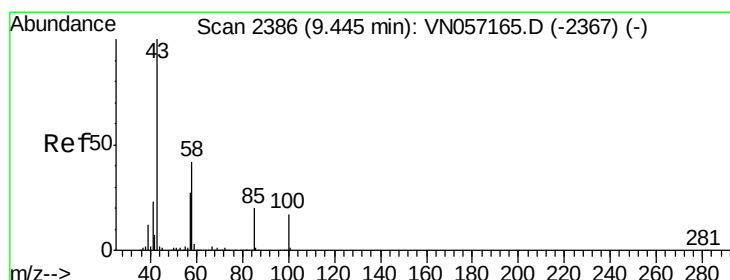
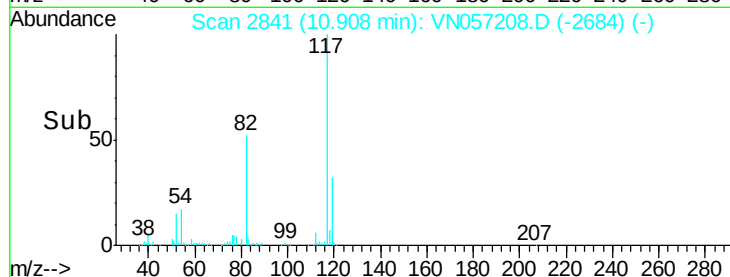
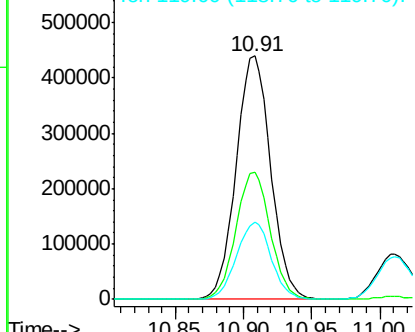
Tot Ion:	117	Resp:	774093
Ion Ratio	Lower	Upper	
117	100		
82	51.8	41.5	62.3
119	31.8	26.1	39.1

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 102.907 ug/l

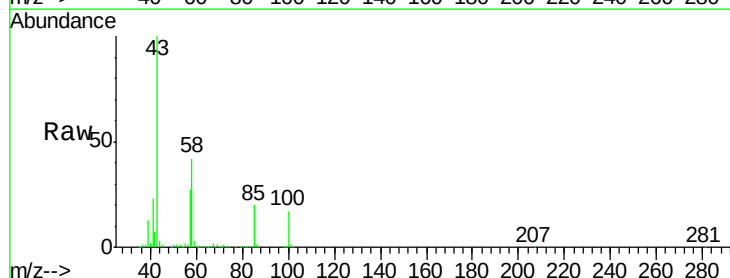
RT: 9.45 min Scan# 2386

Delta R.T. 0.00 min

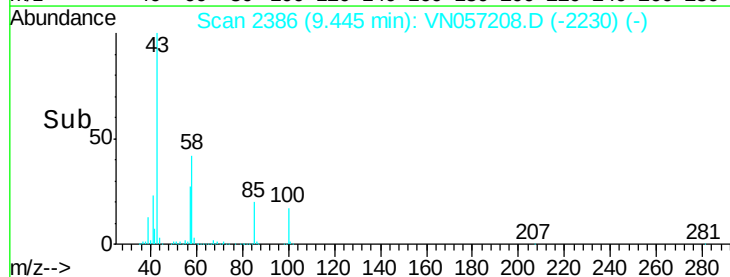
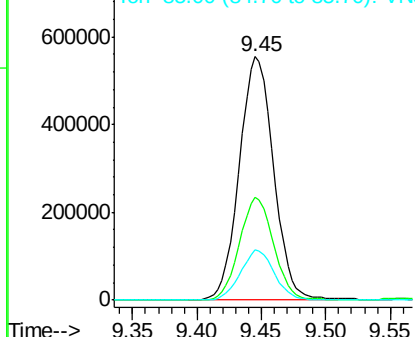
Lab File: VN057208.D

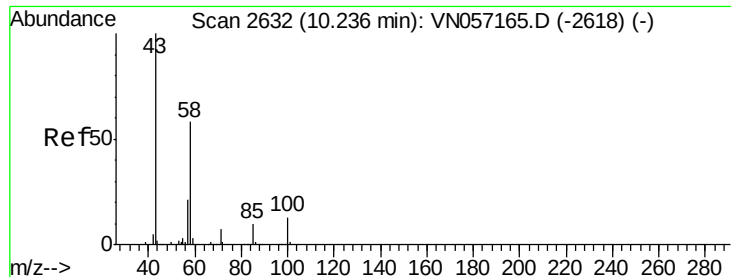
Acq: 12 Aug 2019 11:47

Tgt Ion:	43	Resp:	1023337
Ion Ratio	Lower	Upper	
43	100		
58	42.1	32.8	49.2
85	20.4	16.4	24.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





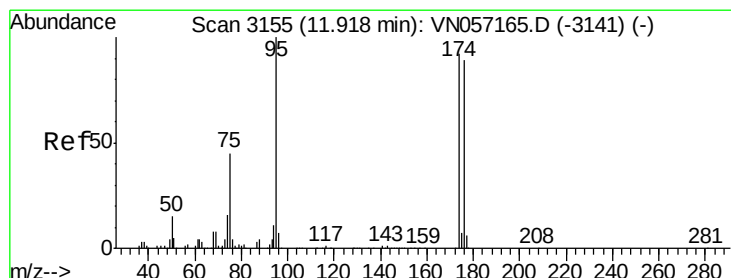
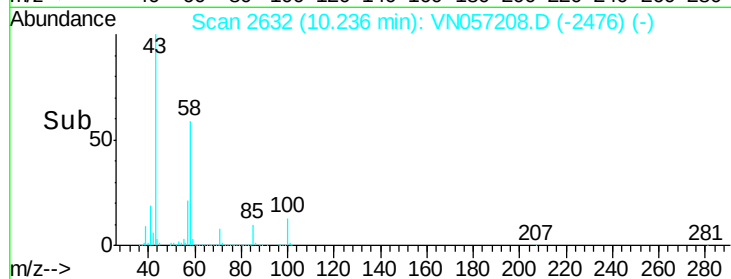
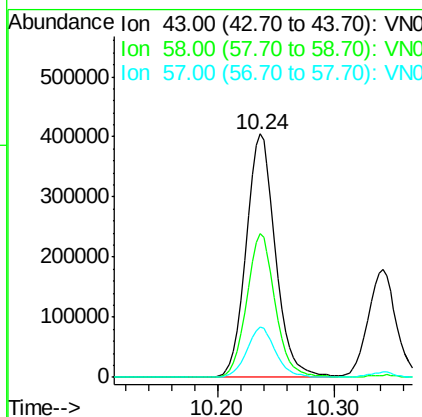
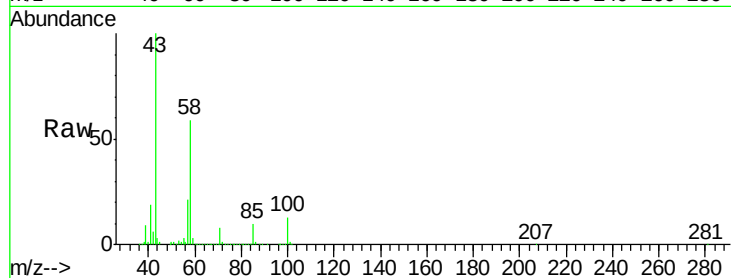
#59
2-Hexanone
Concen: 99.908 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.4	68.2
57	20.3	16.1	24.1

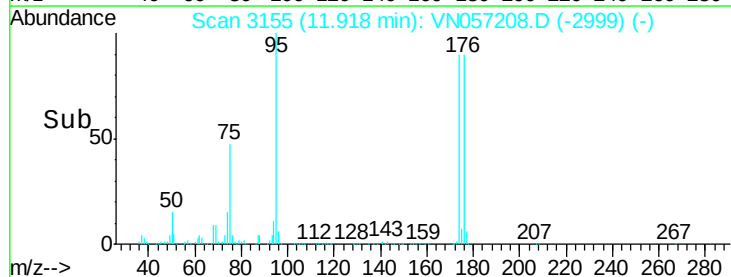
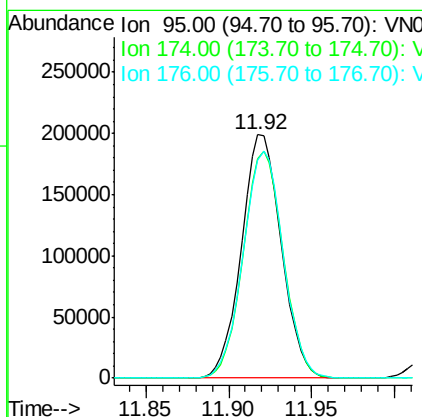
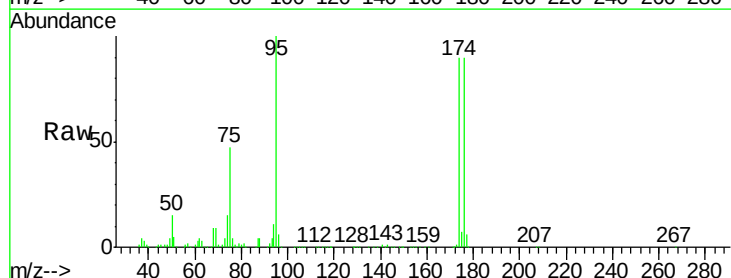
Manual Integrations
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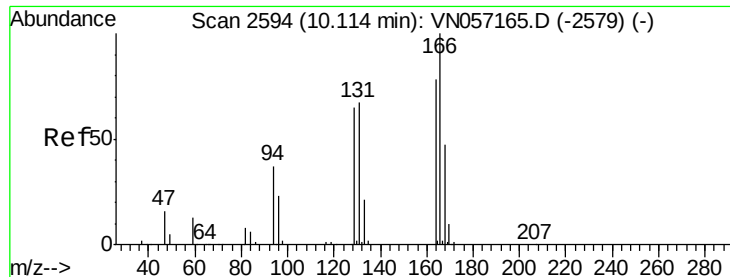
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.874 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	74.9	112.3
176	93.6	72.1	108.1





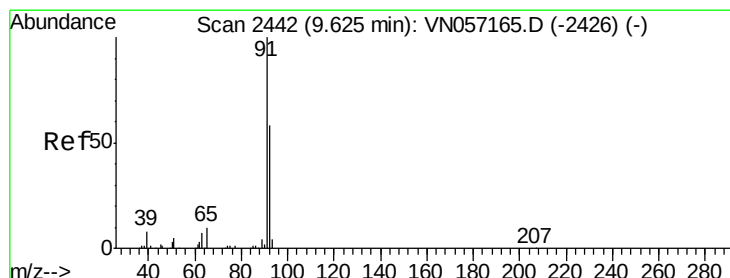
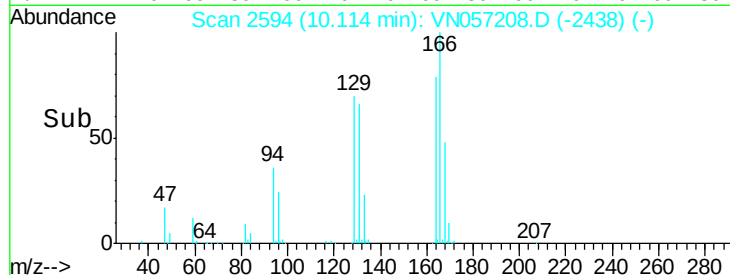
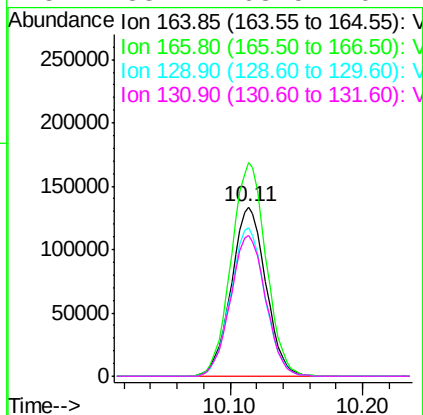
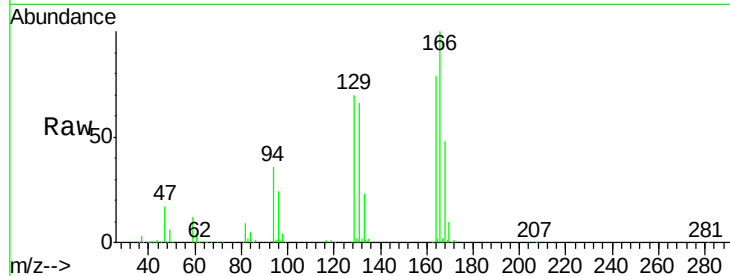
#61
Tetrachloroethene
Concen: 20.292 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.0	154.6
129	87.8	67.3	100.9
131	83.1	68.5	102.7

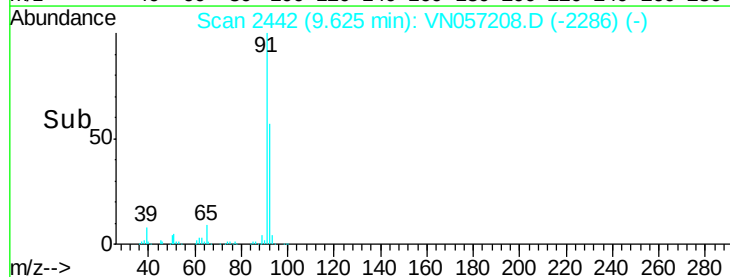
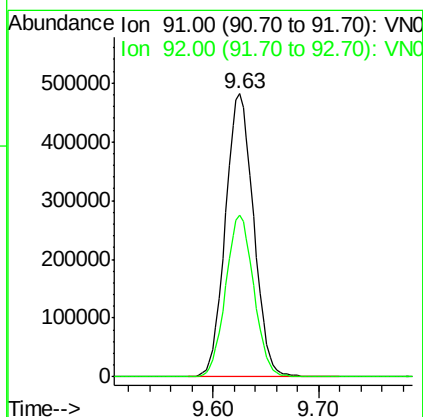
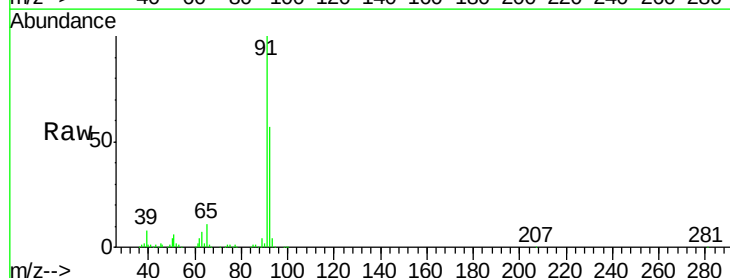
Manual Integrations
APPROVED

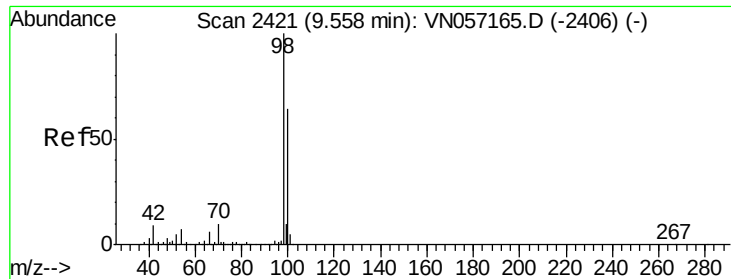
MMDadoda
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#62
Toluene
Concen: 20.194 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	46.1	69.1





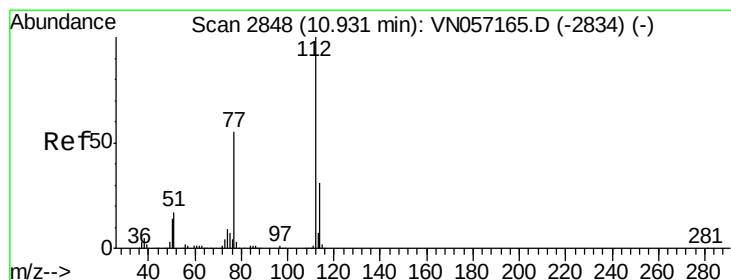
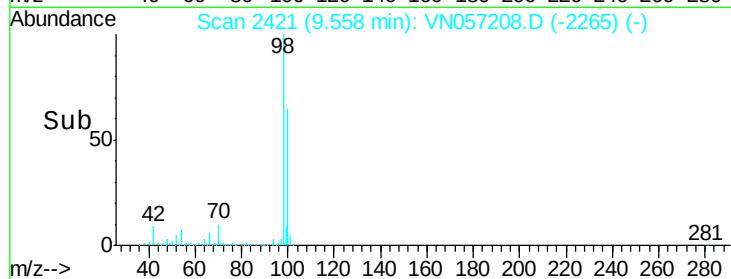
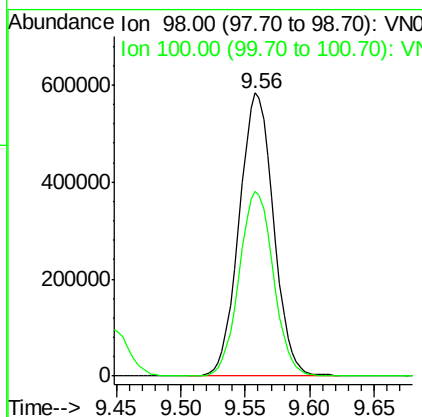
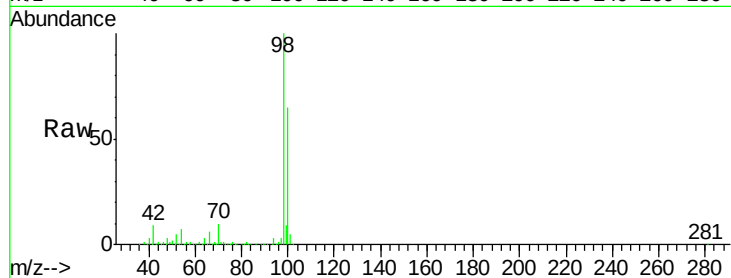
#63
Toluene-d8
Concen: 30.279 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion: 98 Resp: 1081974
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

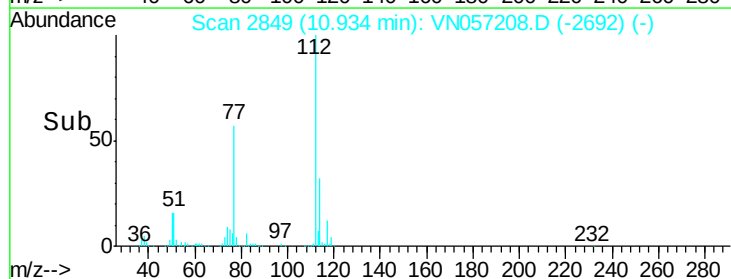
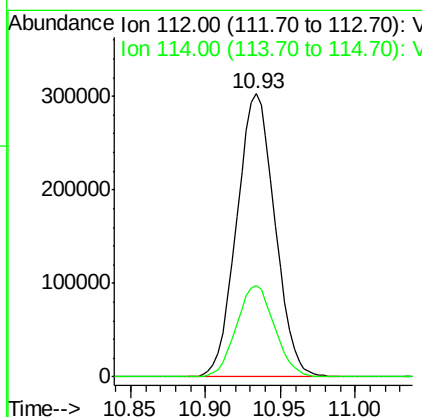
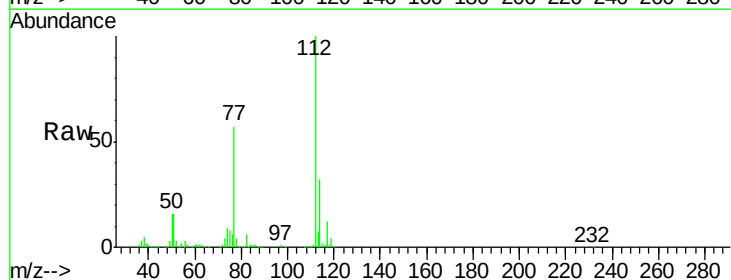
Manual Integrations
APPROVED

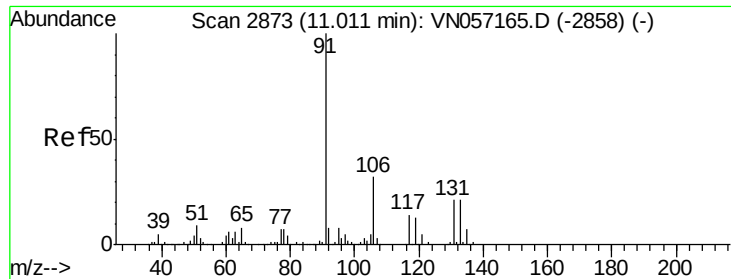
MMDadoda
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#64
Chlorobenzene
Concen: 19.825 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 112 Resp: 537273
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6





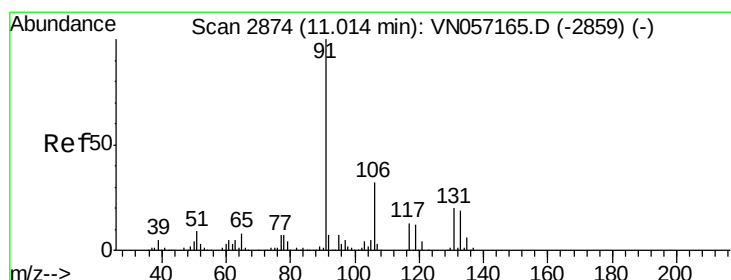
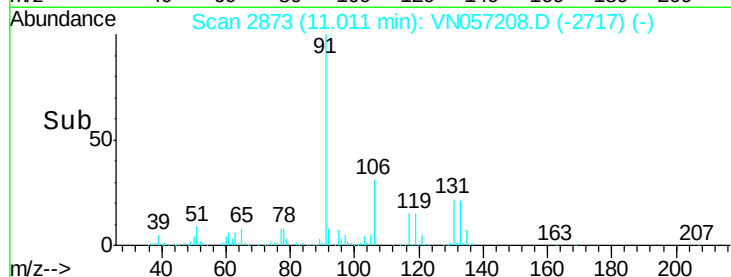
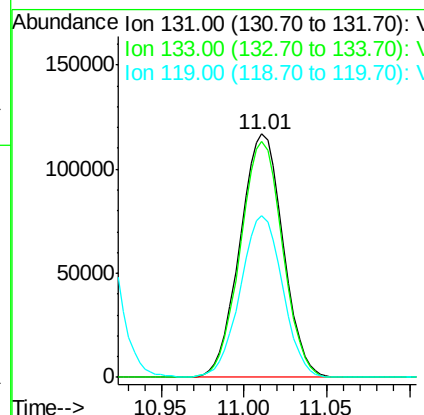
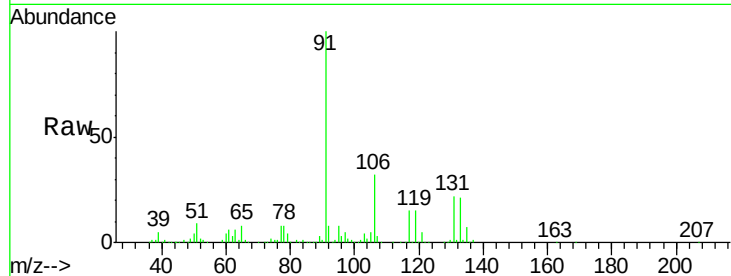
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.330 ug/l
 RT: 11.01 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	211282		
133	95.0	0.0	196.0	
119	65.4	0.0	132.6	

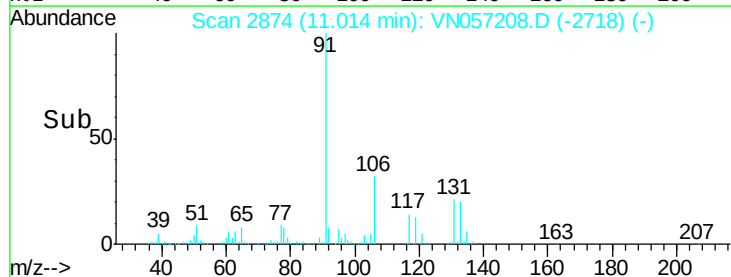
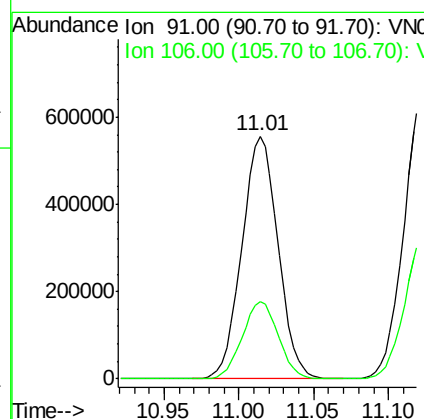
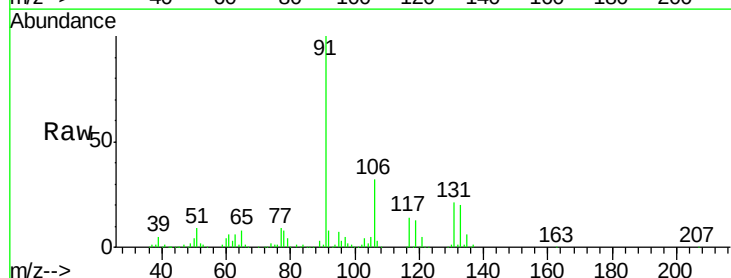
Manual Integrations
 APPROVED

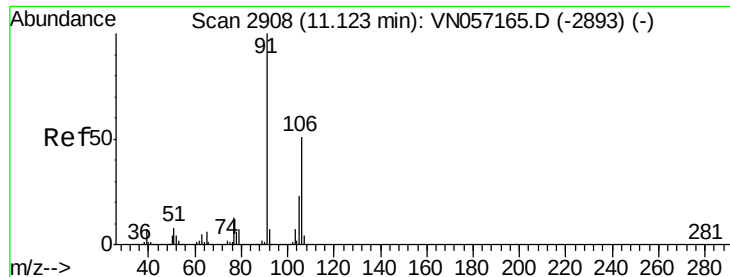
MMDadoda
 8/14/2019 9:23:38 AM



#66
 Ethyl Benzene
 Concen: 19.774 ug/l
 RT: 11.01 min Scan# 2874
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	933935		
106	32.0	25.3	37.9	





#67

m/p-Xylenes

Concen: 39.433 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:106 Resp: 702354

Ion Ratio Lower Upper

106 100

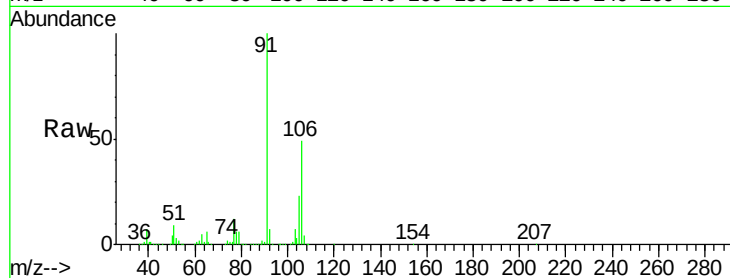
91 202.6 160.5 240.7

Manual Integrations

APPROVED

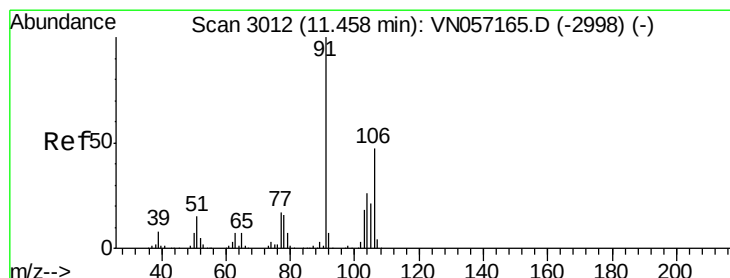
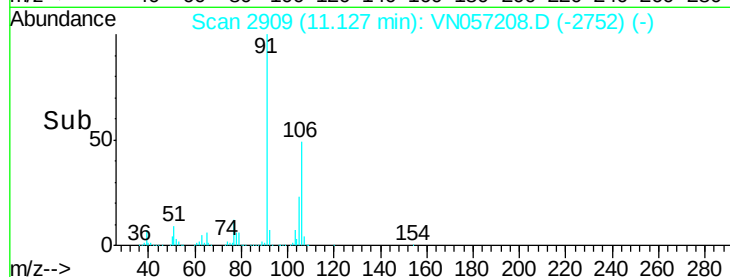
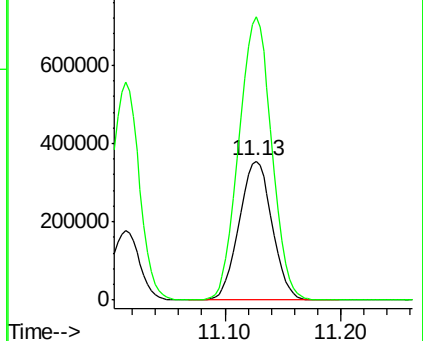
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.931 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VN057208.D

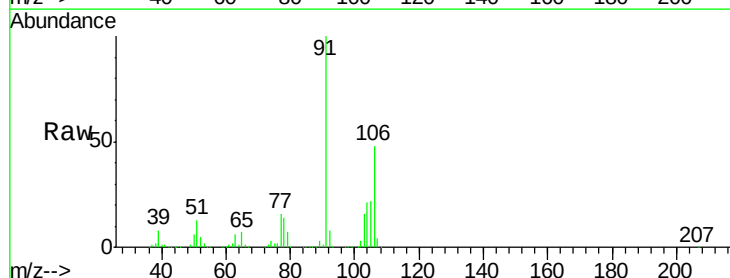
Acq: 12 Aug 2019 11:47

Tgt Ion:106 Resp: 344653

Ion Ratio Lower Upper

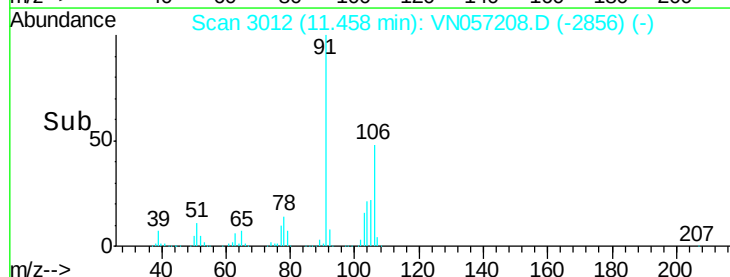
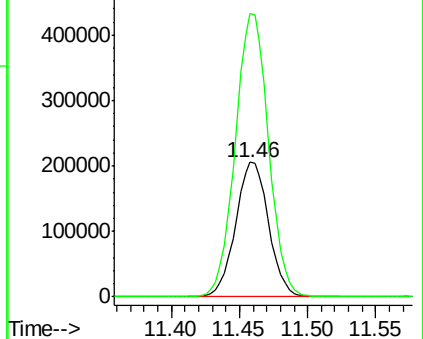
106 100

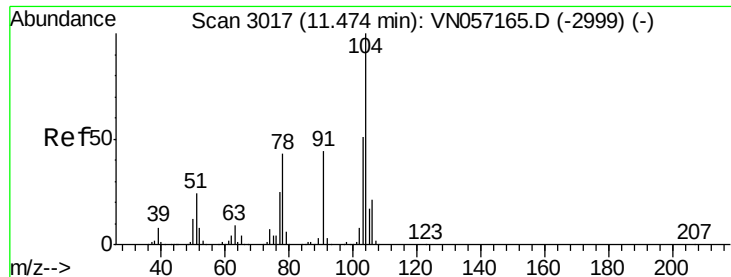
91 212.1 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





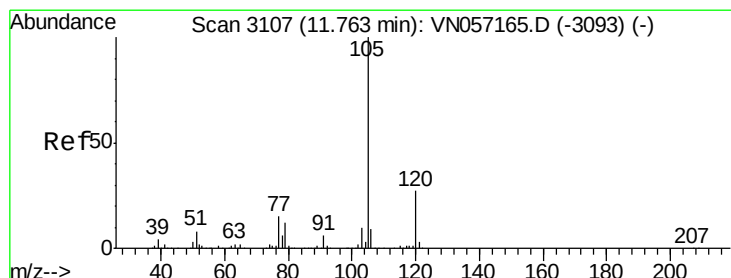
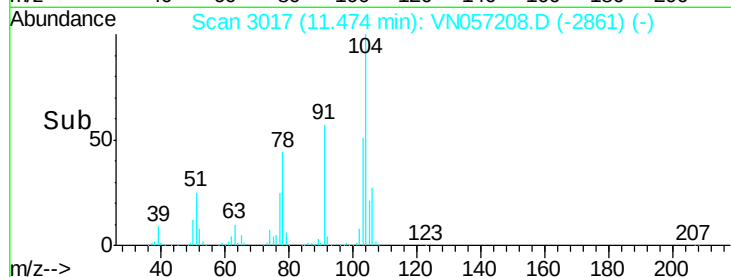
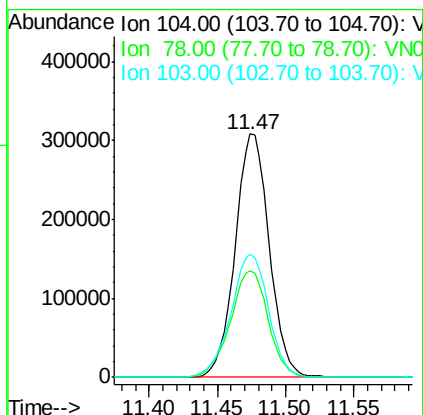
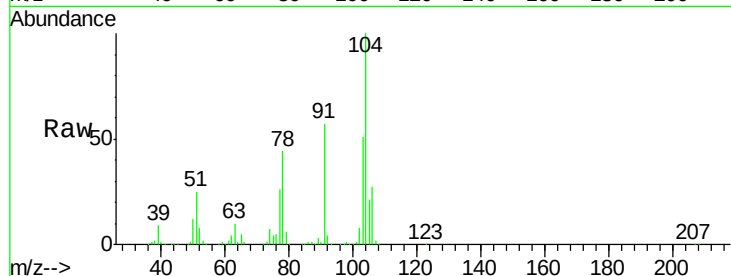
#69
Stvrene
Concen: 19.294 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	535000		
78	48.5		38.7	58.1
103	55.8		44.3	66.5

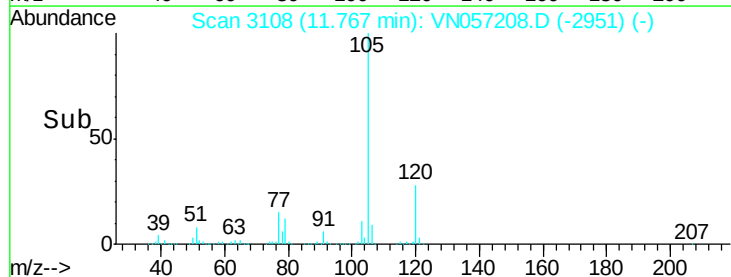
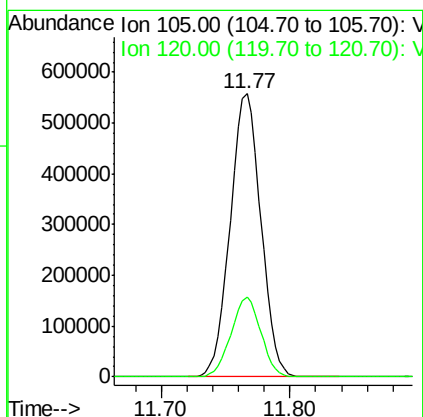
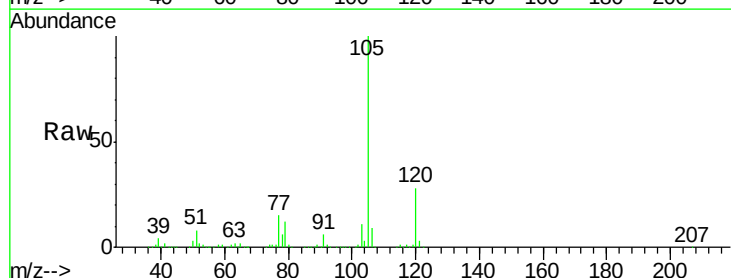
Manual Integrations
APPROVED

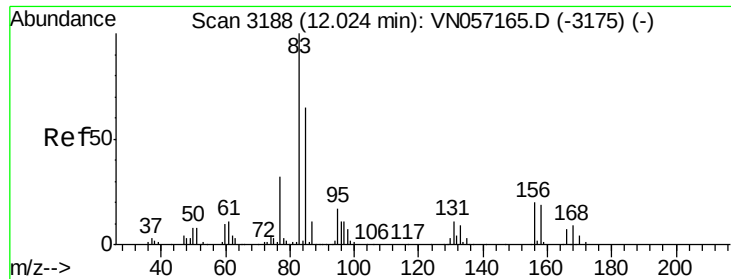
MMDadoda
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#70
Isopropylbenzene
Concen: 19.754 ug/l
RT: 11.77 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	919677		
120	27.4		19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 20.040 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

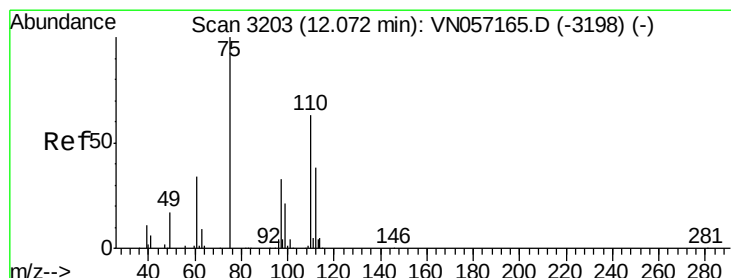
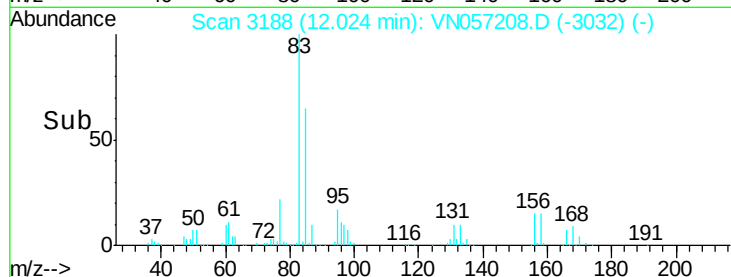
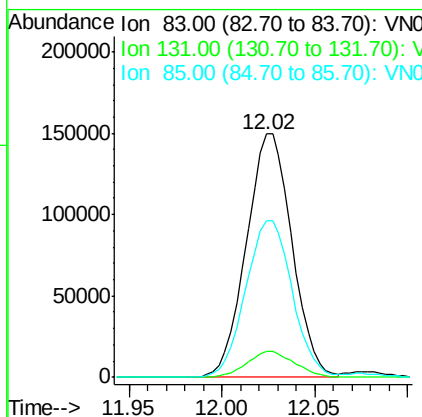
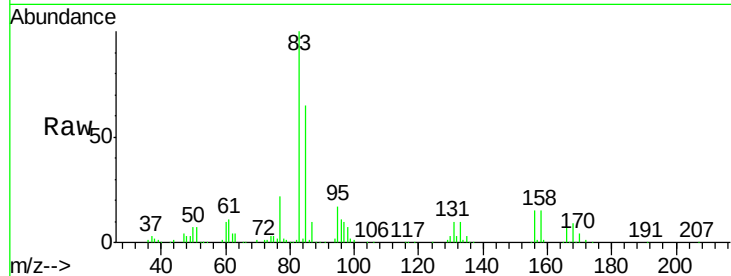
ClientSampleId :

VN0812WBSD01

Tot Ion:	83	Resp:	255527
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.5
85	65.6	32.6	98.0

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 21.225 ug/l m

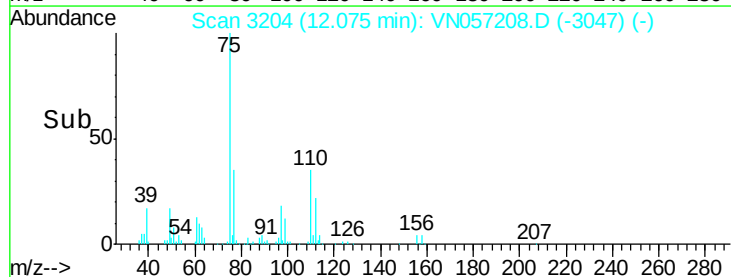
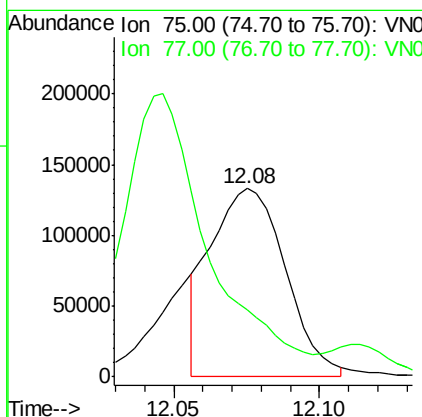
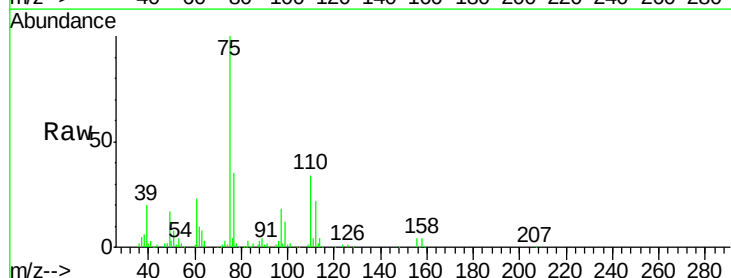
RT: 12.08 min Scan# 3204

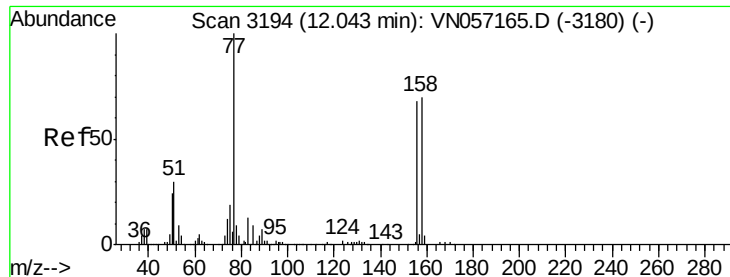
Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	75	Resp:	236869
Ion Ratio	Lower	Upper	
75	100		
77	173.3	0.0	379.4





#73

Bromobenzene

Concen: 19.871 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

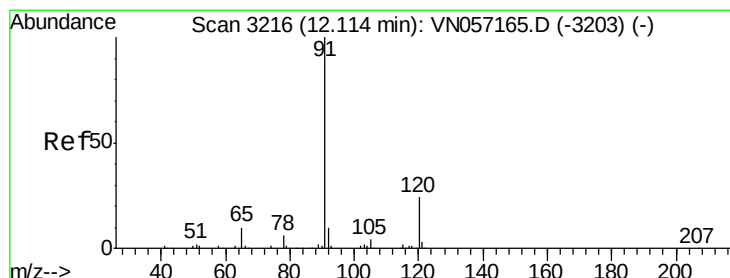
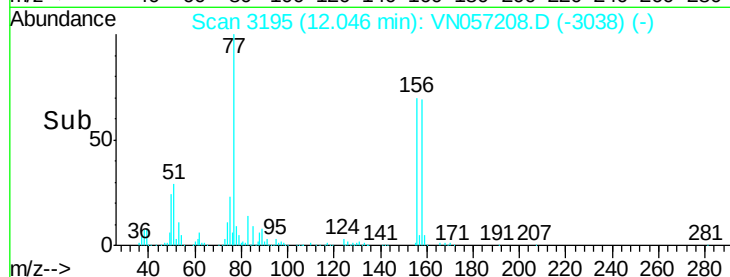
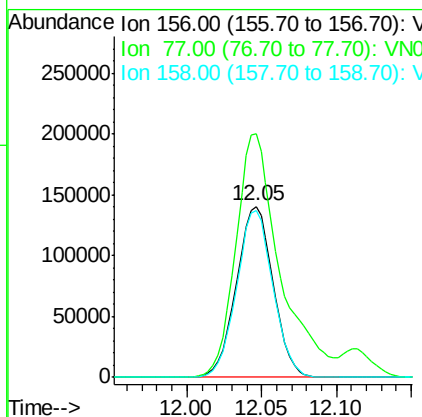
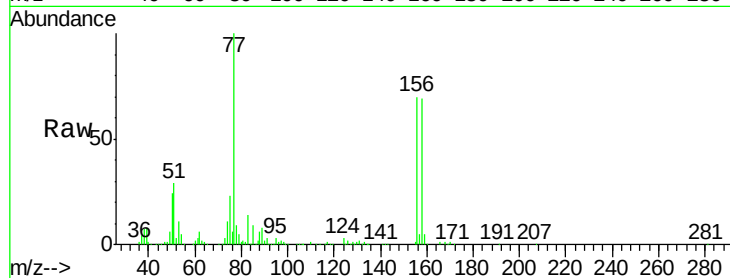
ClientSampleId :

VN0812WBSD01

Tot Ion:	156	Resp:	239895
Ion Ratio	Lower	Upper	
156	100		
77	171.1	0.0	361.6
158	96.9	0.0	200.6

Manual Integrations
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#74

n-propylbenzene

Concen: 18.868 ug/l

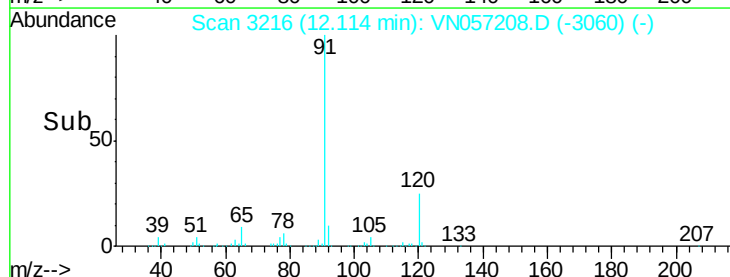
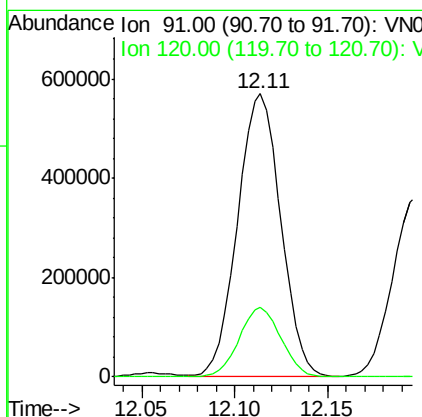
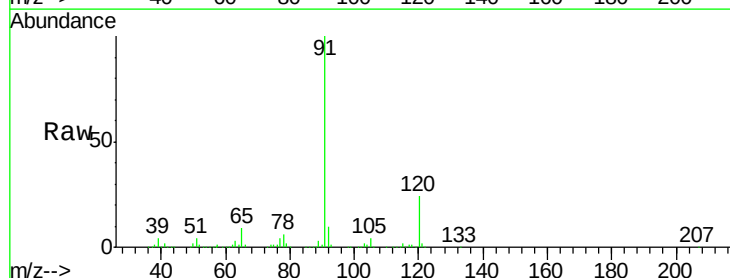
RT: 12.11 min Scan# 3216

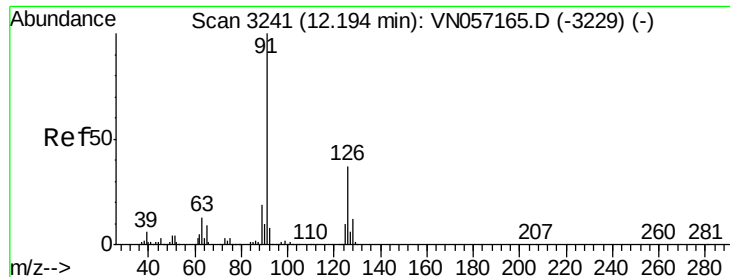
Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	91	Resp:	922165
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	48.2





#75

2-Chlorotoluene

Concen: 19.917 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 91 Resp: 602087

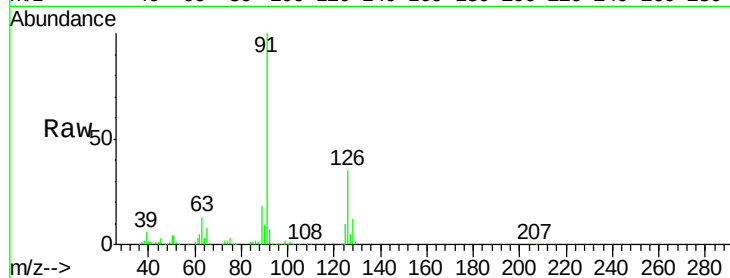
Ion Ratio Lower Upper

91 100

126 36.4 0.0 73.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057165.D (-3229) (-)

Ion 126.00 (125.70 to 126.70): VN057165.D (-3229) (-)

600000

500000

400000

300000

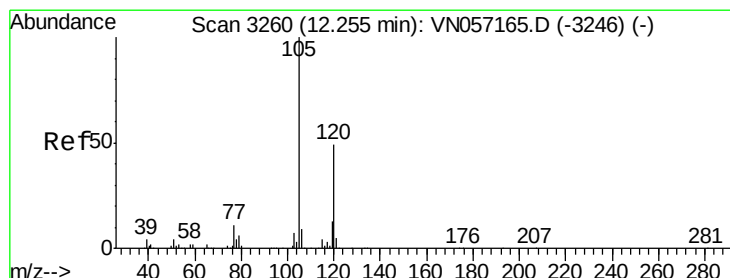
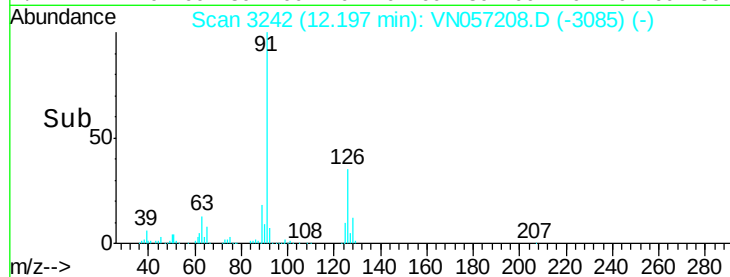
200000

100000

0

12.15 12.20 12.25

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.375 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057208.D

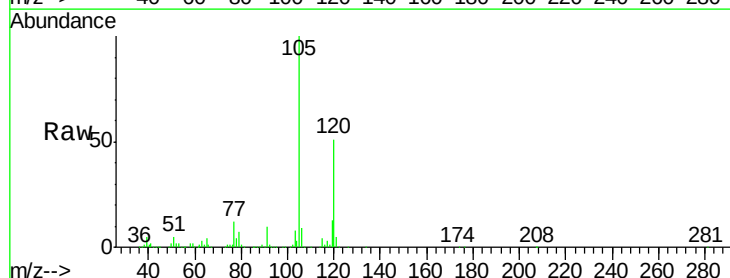
Acq: 12 Aug 2019 11:47

Tgt Ion: 105 Resp: 759525

Ion Ratio Lower Upper

105 100

120 49.8 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057165.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN057165.D (-3246) (-)

500000

400000

300000

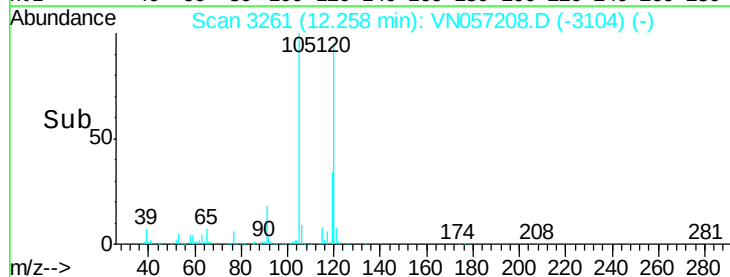
200000

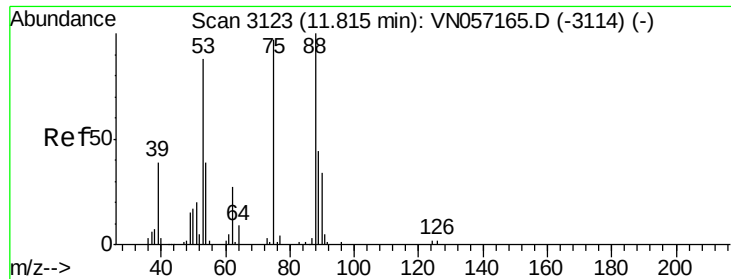
100000

0

12.20 12.30

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.923 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

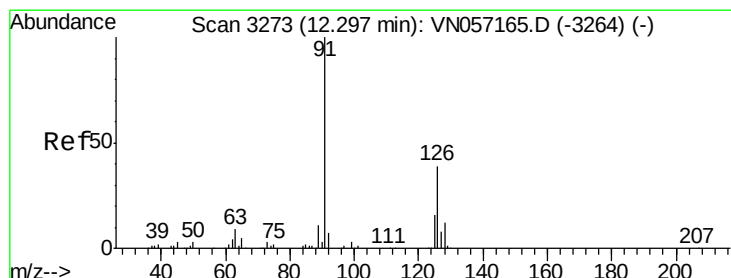
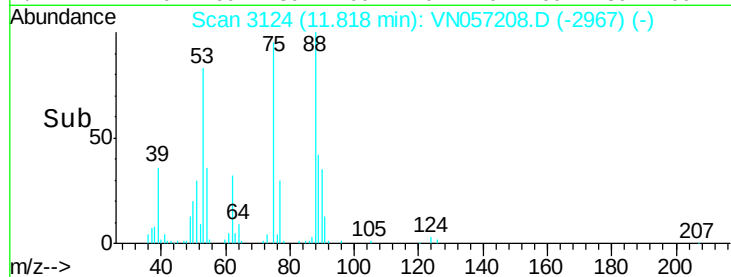
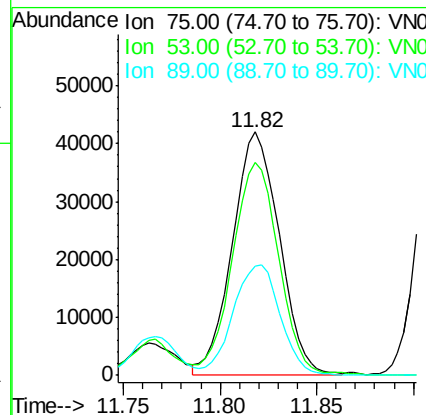
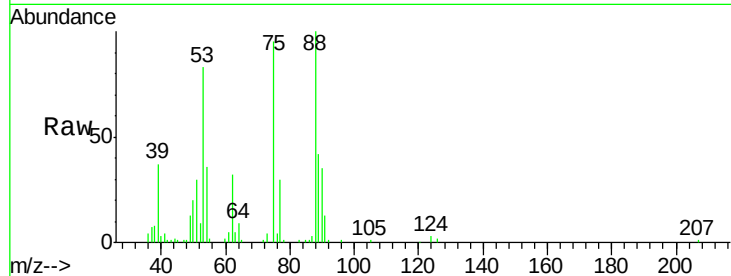
ClientSampleId :

VN0812WBSD01

Tot Ion:	75	Resp:	71069
Ion	Ratio	Lower	Upper
75	100		
53	87.3	45.4	136.2
89	45.1	23.5	70.6

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#78

4-Chlorotoluene

Concen: 18.801 ug/l

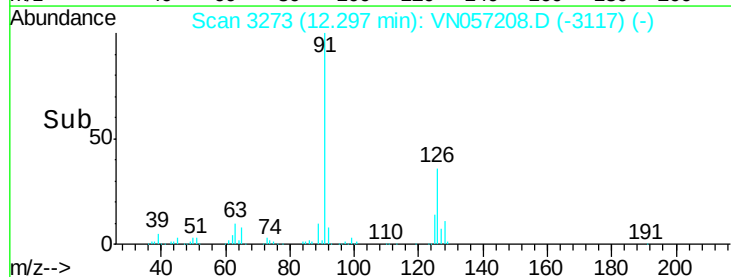
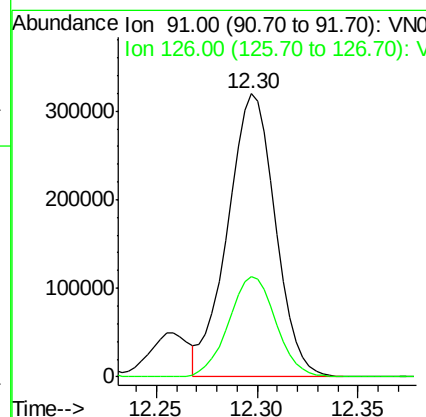
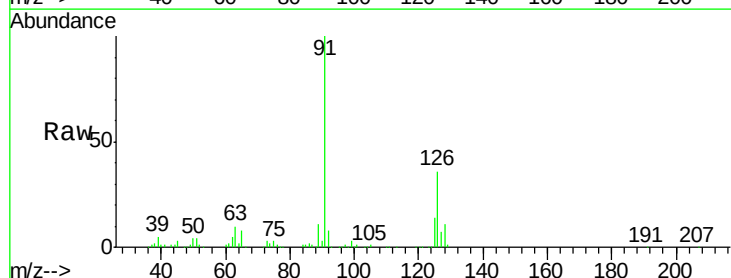
RT: 12.30 min Scan# 3273

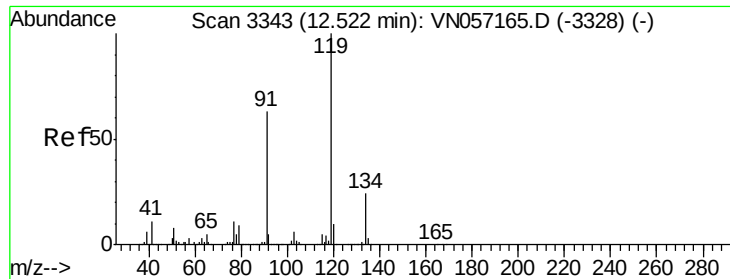
Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion:	91	Resp:	527870
Ion	Ratio	Lower	Upper
91	100		
126	35.2	0.0	70.2





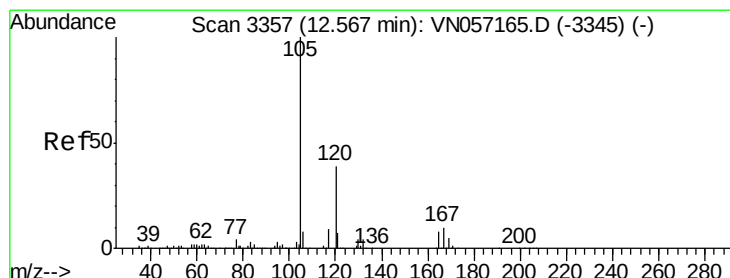
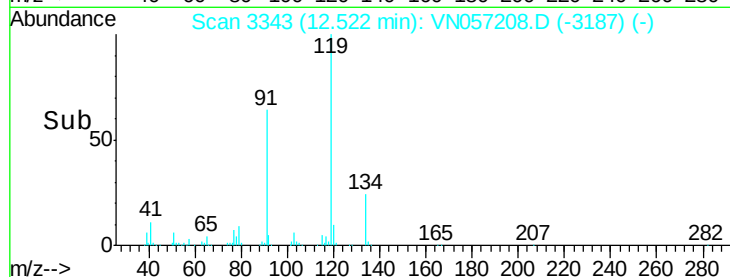
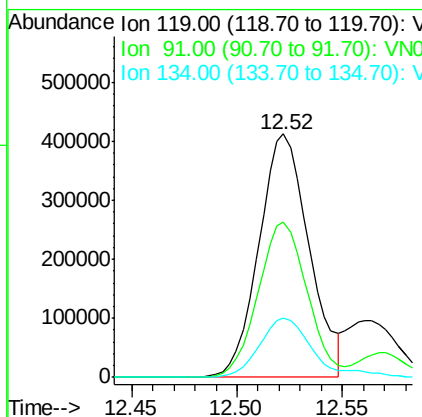
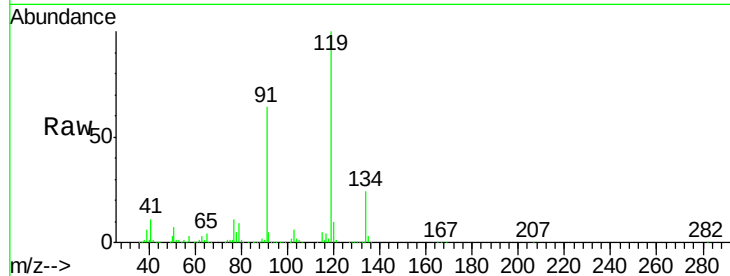
#79
 tert-butylbenzene
 Concen: 19.720 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	681355		
91	62.7	0.0	123.8	
134	24.2	0.0	48.6	

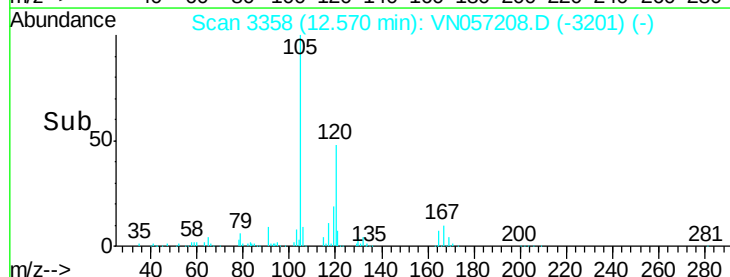
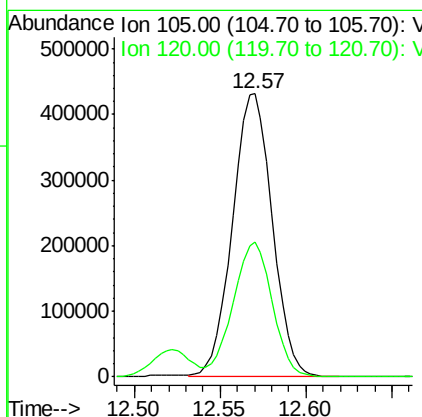
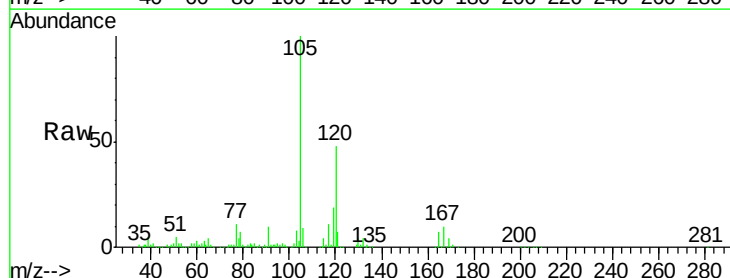
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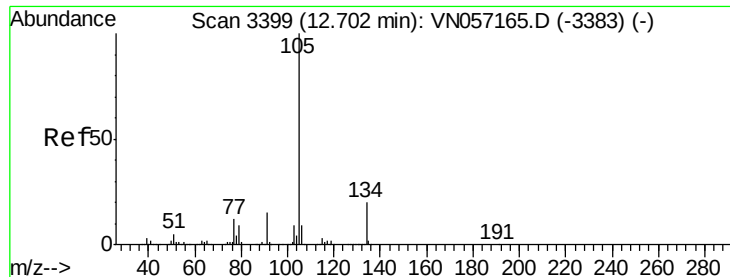
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#80
 1,2,4-Trimethylbenzene
 Concen: 18.860 ug/l
 RT: 12.57 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	697231		
120	46.5	0.0	91.2	





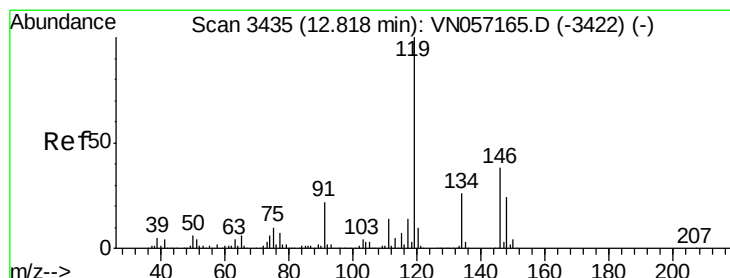
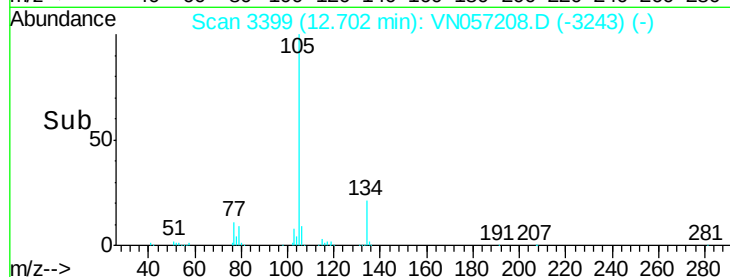
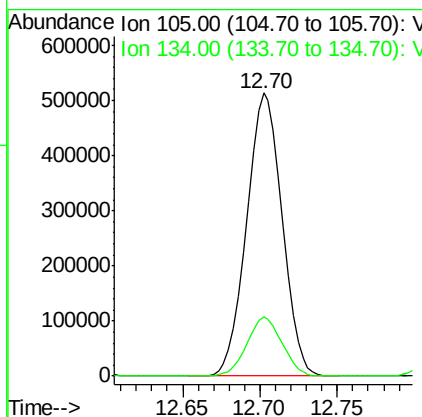
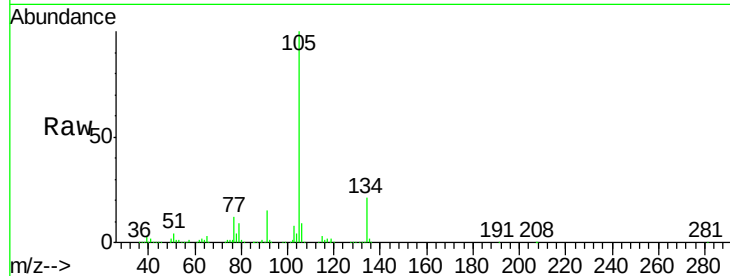
#81
 sec-Butylbenzene
 Concen: 18.849 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	40.6

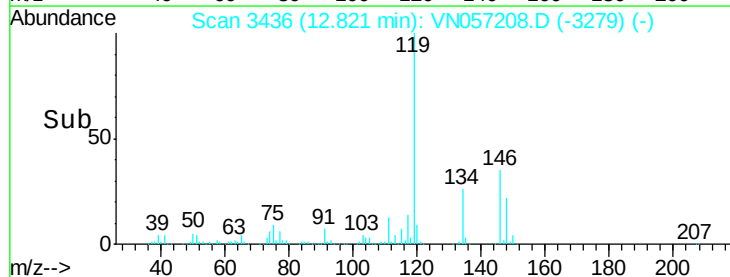
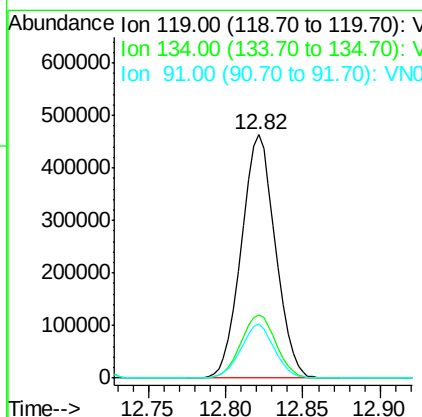
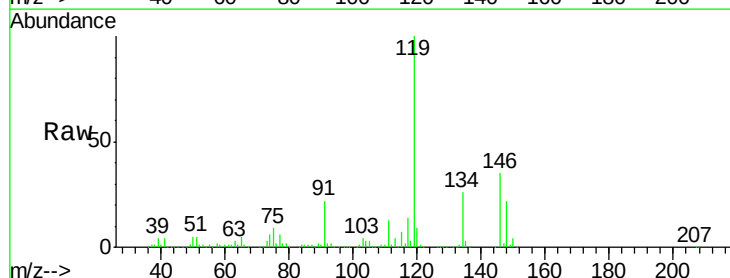
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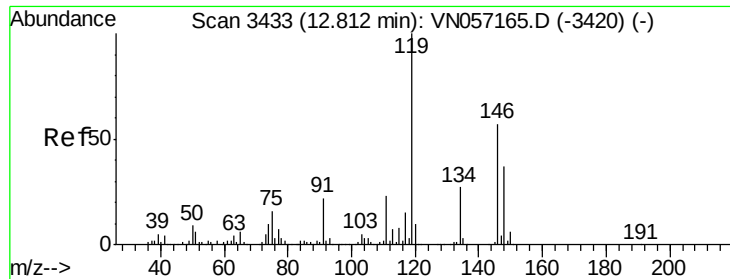
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#82
 p-Isopropyltoluene
 Concen: 18.213 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	54.2
91	21.9	0.0	44.4





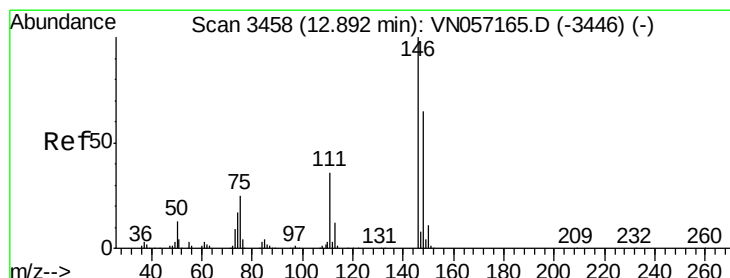
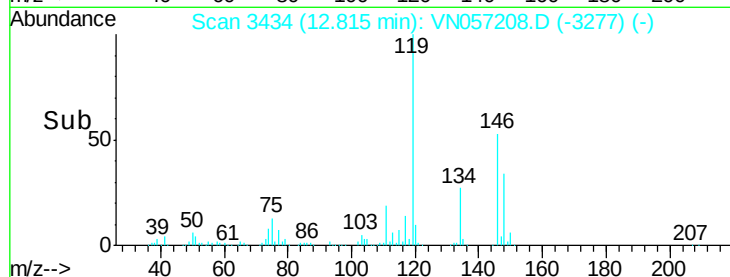
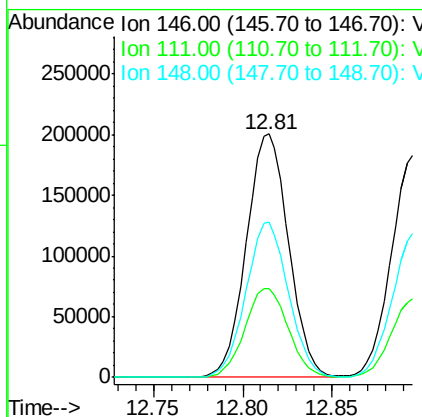
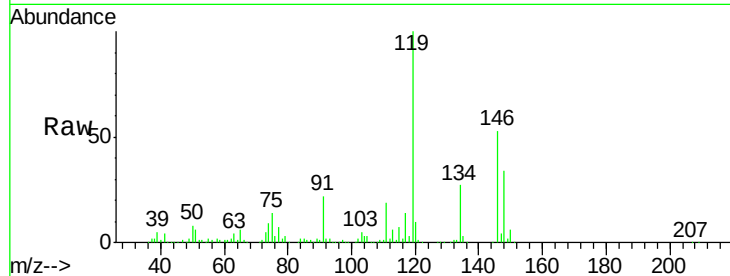
#83
 1,3-Dichlorobenzene
 Concen: 18.070 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.2	32.6	97.8

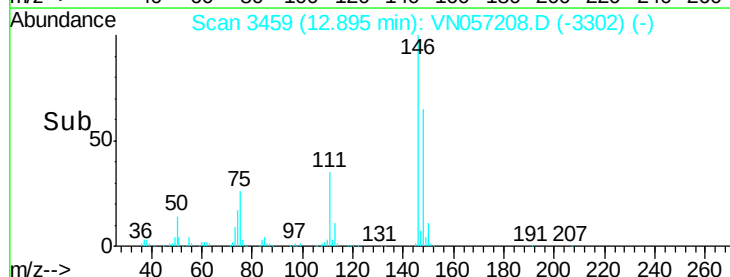
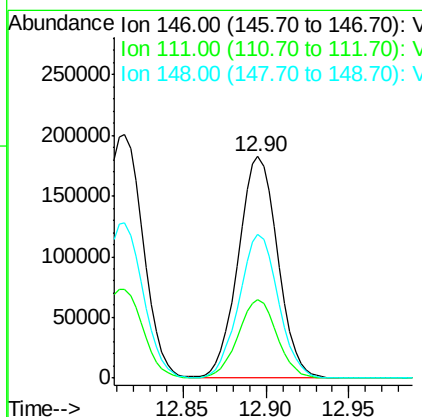
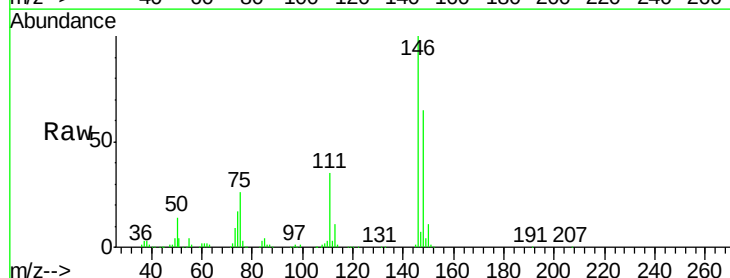
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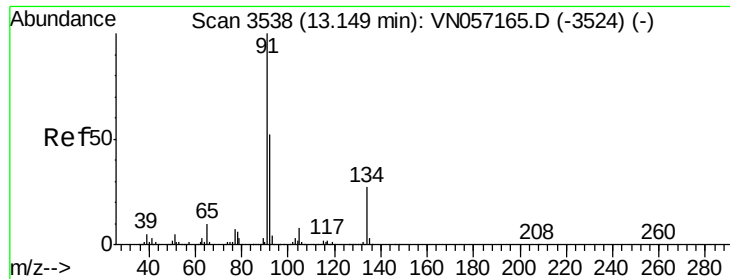
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#84
 1,4-Dichlorobenzene
 Concen: 17.717 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.0	54.0
148	64.1	32.3	96.9





#85

n-Butylbenzene

Concen: 17.176 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

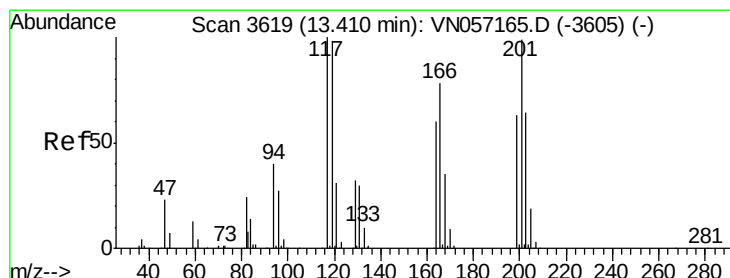
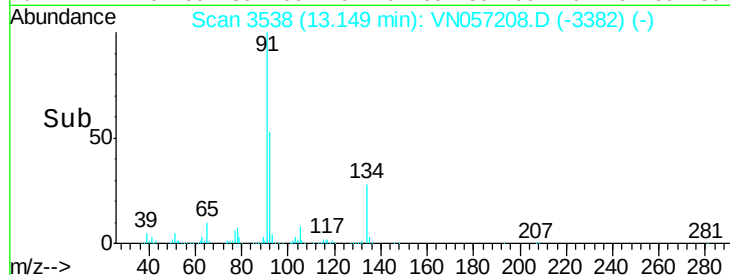
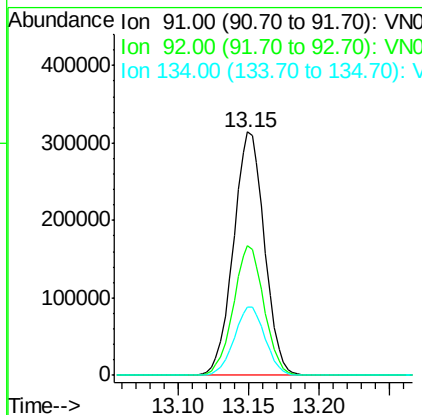
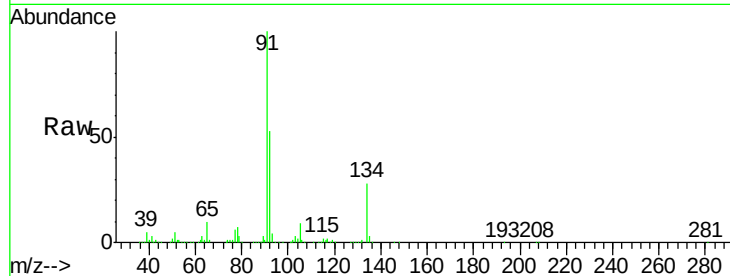
ClientSampleId :

VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	481754		
92	52.6	0.0	104.4	
134	28.1	0.0	55.0	

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#86

Hexachloroethane

Concen: 18.827 ug/l

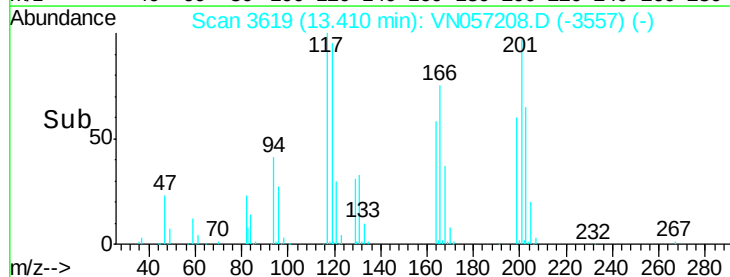
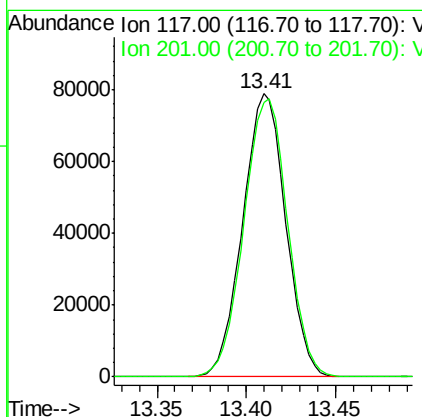
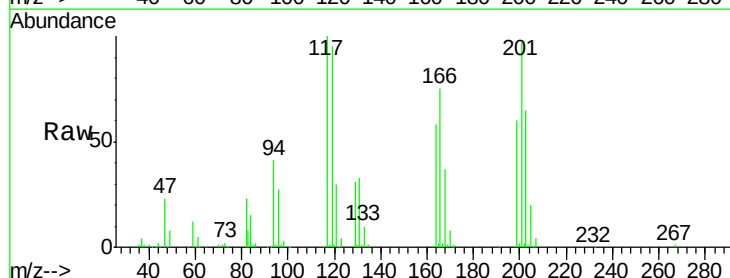
RT: 13.41 min Scan# 3619

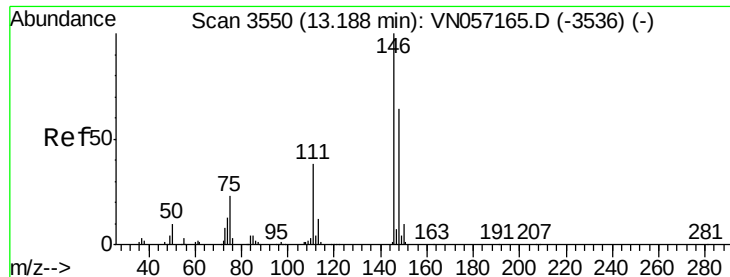
Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	132799		
201	99.9	49.3	147.9	





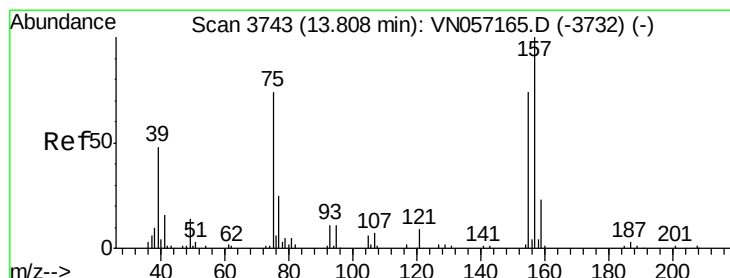
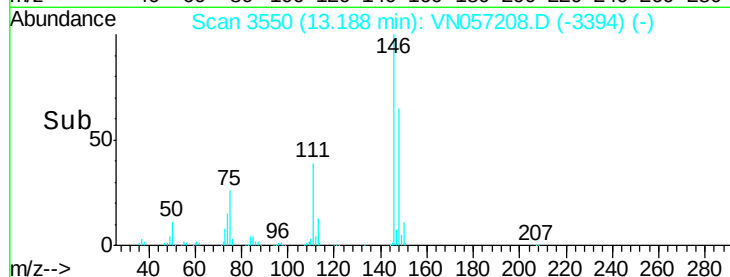
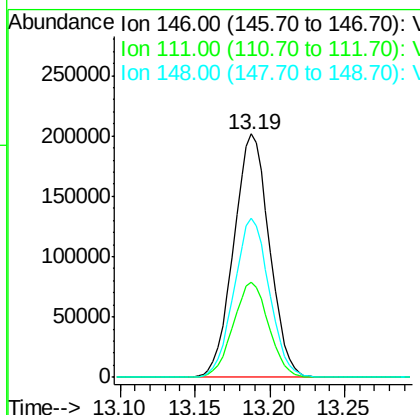
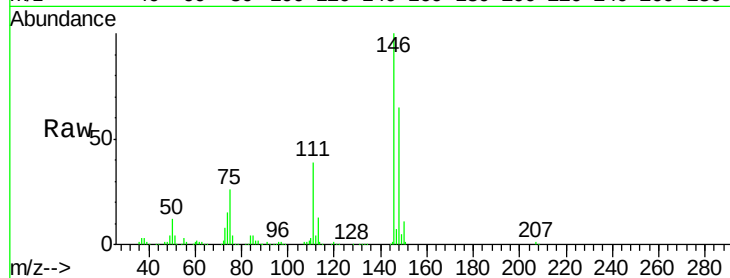
#87
 1,2-Dichlorobenzene
 Concen: 18.375 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.5	32.4	97.0

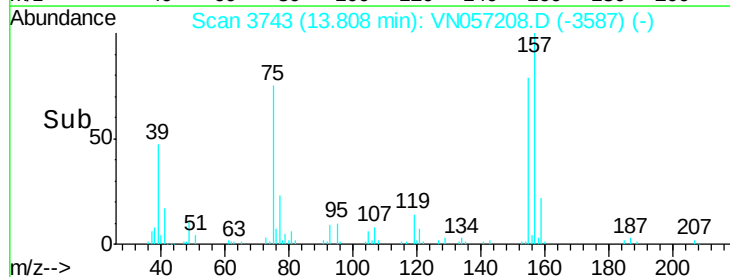
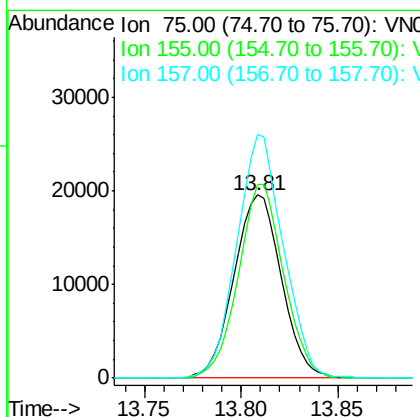
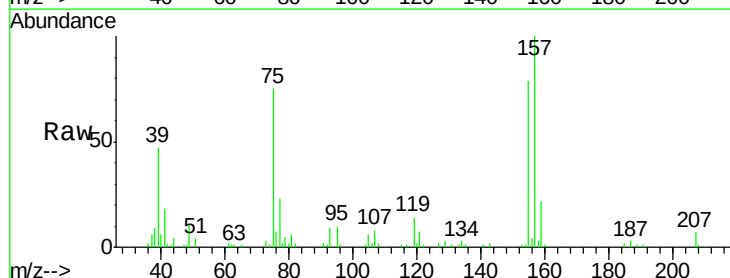
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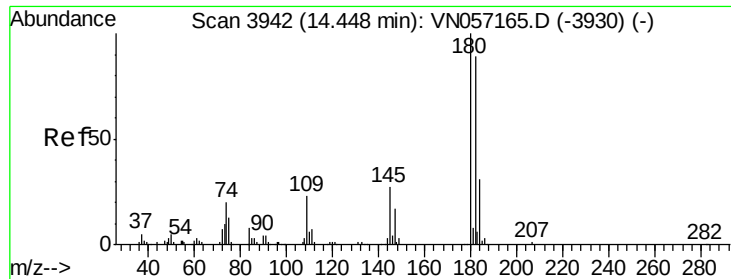
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.622 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	80.9	121.3
157	130.4	111.3	166.9





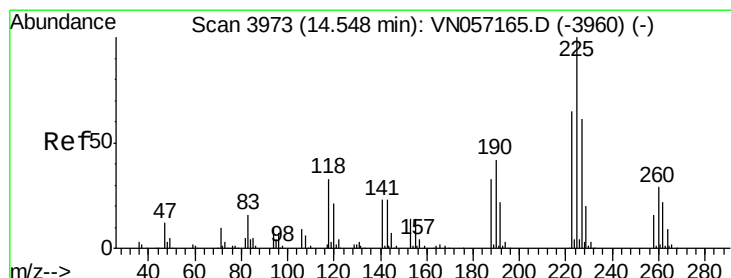
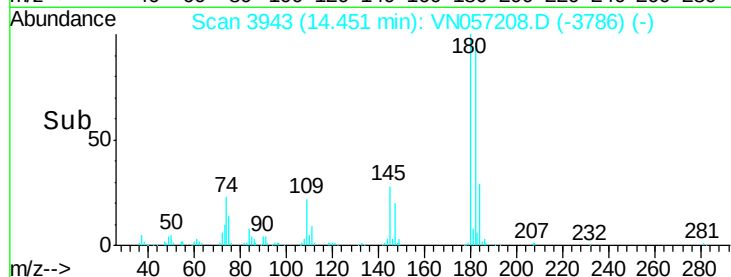
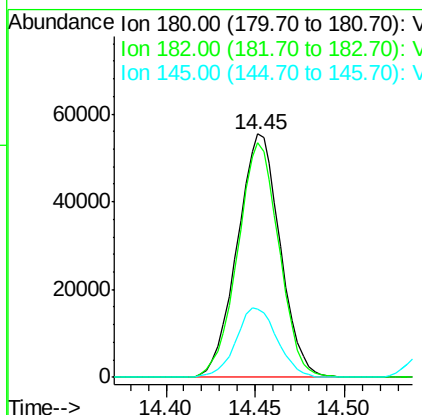
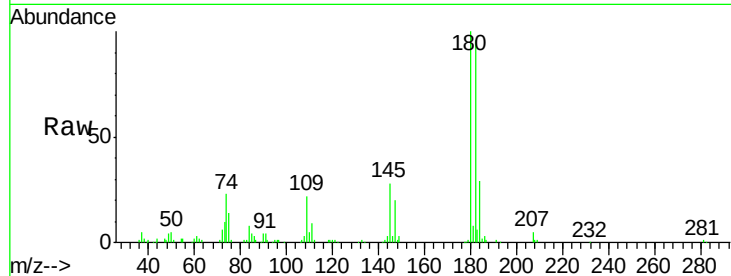
#89
 1,2,4-Trichlorobenzene
 Concen: 17.529 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92992		
182	93.2	75.0	112.6	
145	27.4	21.7	32.5	

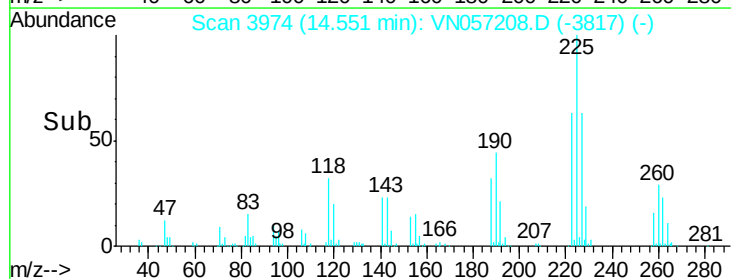
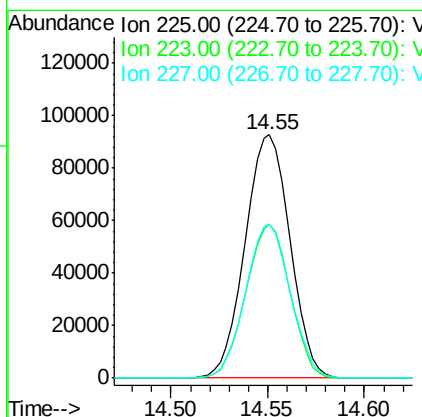
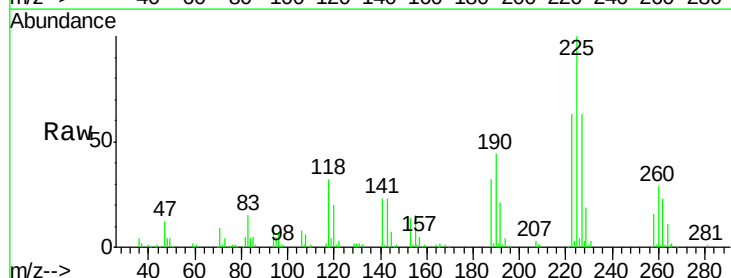
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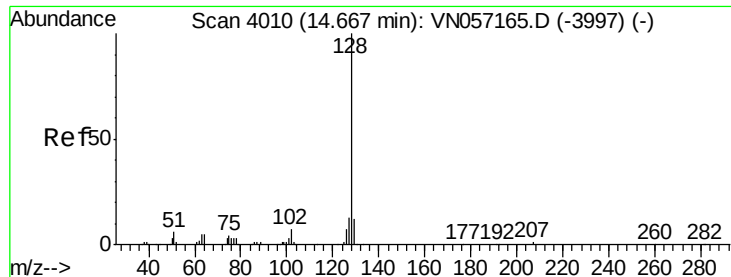
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#90
 Hexachlorobutadiene
 Concen: 19.077 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149928		
223	62.0	0.0	128.0	
227	63.0	0.0	125.6	





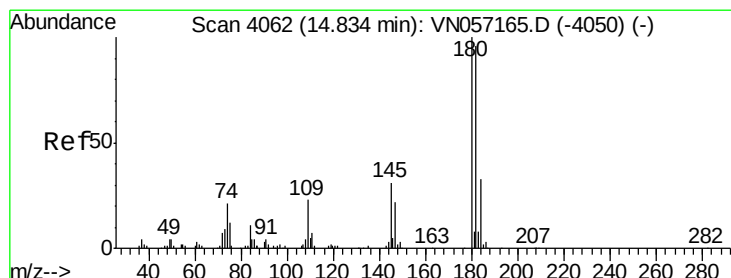
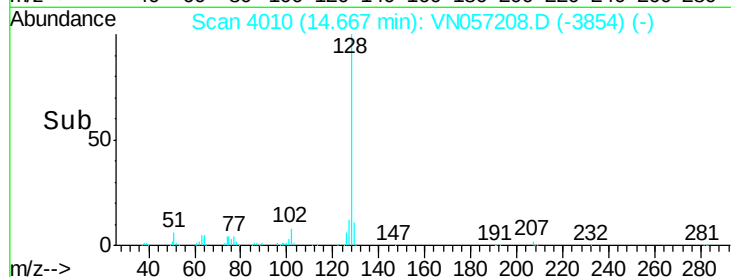
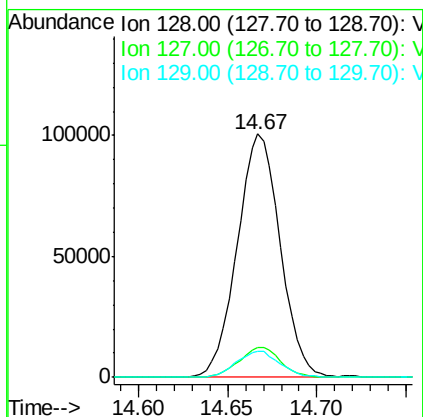
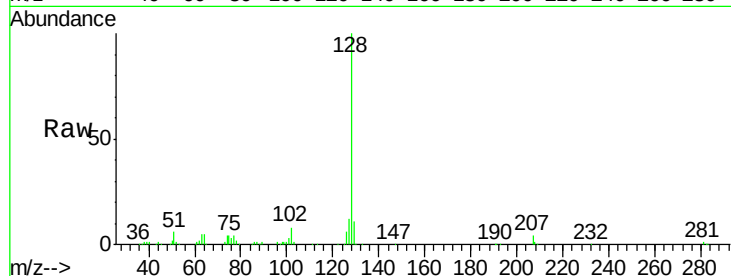
#91
Naphthalene
Concen: 12.168 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	168374		
127	12.0		10.2	15.4
129	10.9		8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 18.467 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98571		
182	94.8		0.0	195.8
145	29.0		0.0	61.2

