

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057298.D
 Acq On : 14 Aug 2019 20:17
 Operator : JC/SP
 Sample : VN0815WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:23 AM

Quant Time: Aug 15 08:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	955697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1434955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1283288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	450265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	510775	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	7.58	113	459223	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	1710957	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	549572	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	157702	19.176	ug/l 97
3) Chloromethane	2.06	50	200037	20.608	ug/l 97
4) Vinyl Chloride	2.18	62	186173	20.387	ug/l 98
5) Bromomethane	2.54	94	143465m	22.039	ug/l
6) Chloroethane	2.69	64	127250	20.258	ug/l 98
7) Trichlorofluoromethane	3.02	101	282978	19.755	ug/l 98
8) Diethyl Ether	3.40	74	111652	20.709	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169740	20.169	ug/l 99
10) Methyl Iodide	3.95	142	264264	19.645	ug/l 99
11) Tert butyl alcohol	4.76	59	143587	97.214	ug/l 99
12) 1,1-Dichloroethene	3.73	96	169666	20.234	ug/l 98
13) Acrolein	3.60	56	82289	91.774	ug/l 97
14) Allyl chloride	4.31	41	245937	18.297	ug/l 93
15) Acrylonitrile	4.97	53	407846	101.708	ug/l 99
16) Acetone	3.80	43	305384	84.733	ug/l 99
17) Carbon Disulfide	4.05	76	449690	19.906	ug/l 100
18) Methyl Acetate	4.31	43	204226	19.743	ug/l 99
19) Methyl tert-butyl Ether	5.03	73	524606	19.939	ug/l 100
20) Methylene Chloride	4.54	84	199854	19.819	ug/l 98
21) trans-1,2-Dichloroethene	5.03	96	181171	20.091	ug/l 100
22) Diisopropyl ether	5.94	45	547766	20.630	ug/l 98
23) Vinyl Acetate	5.88	43	2157684	100.971	ug/l 99
24) 1,1-Dichloroethane	5.84	63	329922	20.196	ug/l 99
25) 2-Butanone	6.82	43	506266	97.003	ug/l 98
26) 2,2-Dichloropropane	6.81	77	240218	18.195	ug/l 100
27) cis-1,2-Dichloroethene	6.82	96	213129	19.964	ug/l 99
28) Bromochloromethane	7.18	49	155653	21.445	ug/l 98
29) Tetrahydrofuran	7.20	42	328118	99.342	ug/l 100
30) Chloroform	7.36	83	339159	19.812	ug/l 96
31) Cyclohexane	7.65	56	288453	20.376	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	292017	20.281	ug/l 97
36) 1,1-Dichloropropene	7.79	75	252779	19.951	ug/l 98
37) Ethyl Acetate	6.91	43	209558	20.194	ug/l 99
38) Carbon Tetrachloride	7.77	117	253528	19.259	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288997	19.535	ug/l	99
40) Benzene	8.03	78	761304	19.646	ug/l	99
41) Methacrylonitrile	7.16	41	96563m	20.663	ug/l	
42) 1,2-Dichloroethane	8.12	62	248931	19.409	ug/l	99
43) Isopropyl Acetate	8.16	43	363158	17.920	ug/l	98
44) Trichloroethene	8.83	130	216122	19.837	ug/l	100
45) 1,2-Dichloropropane	9.11	63	198433	19.866	ug/l	100
46) Dibromomethane	9.20	93	130536	19.589	ug/l	99
47) Bromodichloromethane	9.40	83	254708	19.292	ug/l	99
48) Methyl methacrylate	9.19	41	165594	19.378	ug/l	98
49) 1,4-Dioxane	9.19	88	69372	386.037	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1037917	96.952	ug/l	99
52) Toluene	10.15	92	487213	20.199	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	275998	19.326	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	306762	19.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	188541	19.879	ug/l	99
56) Ethyl methacrylate	10.43	69	277437	20.044	ug/l	99
57) 1,3-Dichloropropane	10.70	76	309827	19.554	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	293813	83.443	ug/l	100
59) 2-Hexanone	10.75	43	733400	95.291	ug/l	99
60) Dibromochloromethane	10.90	129	209678	19.727	ug/l	98
61) 1,2-Dibromoethane	11.00	107	200250	19.820	ug/l	99
64) Tetrachloroethene	10.63	164	217060	19.566	ug/l	99
65) Chlorobenzene	11.43	112	520201	19.875	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	197688	19.722	ug/l	99
67) Ethyl Benzene	11.51	91	908440	19.839	ug/l	99
68) m/p-Xylenes	11.62	106	674912	40.004	ug/l	99
69) o-Xylene	11.95	106	333992	20.162	ug/l	99
70) Styrene	11.96	104	521614	19.754	ug/l	99
71) Bromoform	12.13	173	155055	19.608	ug/l #	100
73) Isopropylbenzene	12.25	105	890121	23.032	ug/l	99
74) N-amyl acetate	12.07	43	265677	20.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	254692	23.035	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	207794m	22.411	ug/l	
77) Bromobenzene	12.53	156	229973	22.648	ug/l	99
78) n-propylbenzene	12.59	91	874588	20.171	ug/l	99
79) 2-Chlorotoluene	12.68	91	563950	22.491	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	721283	22.536	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72198	19.552	ug/l	96
82) 4-Chlorotoluene	12.77	91	505430	19.671	ug/l	99
83) tert-Butylbenzene	12.99	119	654299	22.939	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	675153	20.818	ug/l	99
85) sec-Butylbenzene	13.17	105	771072	21.783	ug/l	100
86) p-Isopropyltoluene	13.29	119	663222	19.974	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	314803	19.955	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	294457	19.662	ug/l	99
89) n-Butylbenzene	13.62	91	507087	21.422	ug/l	100
90) Hexachloroethane	13.88	117	131120	21.910	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	305512	20.774	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28776	17.922	ug/l	99

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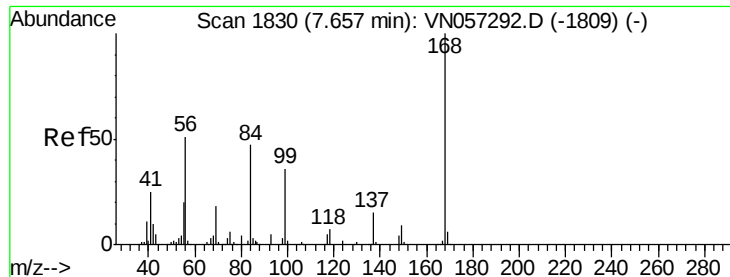
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80831	17.628	ug/l	98
94) Hexachlorobutadiene	15.01	225	135741	21.497	ug/l	97
95) Naphthalene	15.13	128	160717	21.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	78064	21.685	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion:168 Resp: 955697

Ion Ratio Lower Upper

168 100

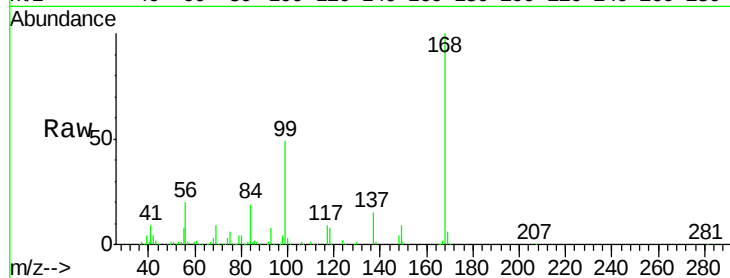
99 48.9 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

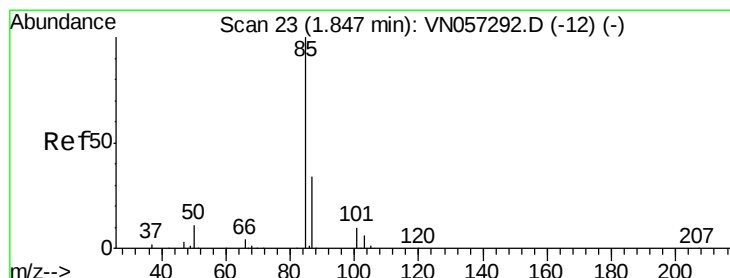
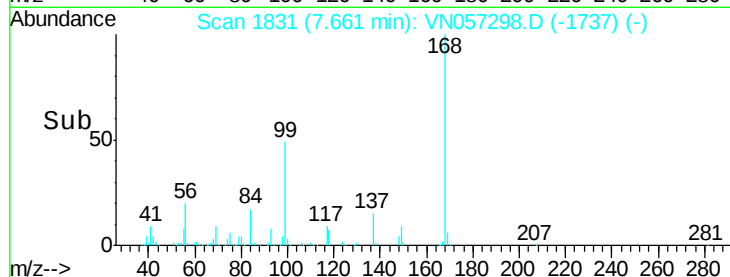
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.176 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057298.D

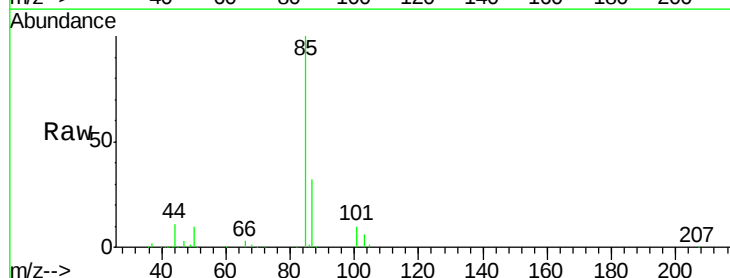
Acq: 14 Aug 2019 20:17

Tgt Ion: 85 Resp: 157702

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

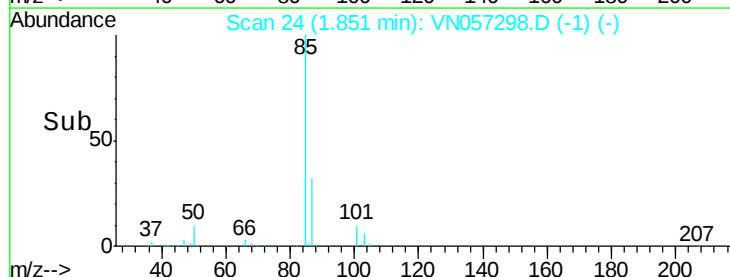
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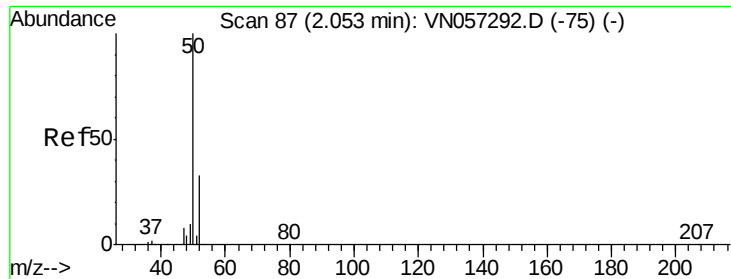
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.608 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 50 Resp: 200037

Ion Ratio Lower Upper

50 100

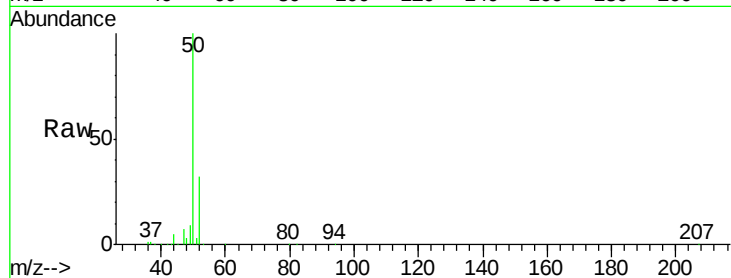
52 31.7 26.8 40.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

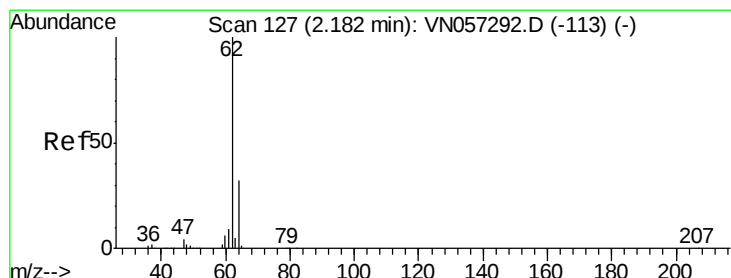
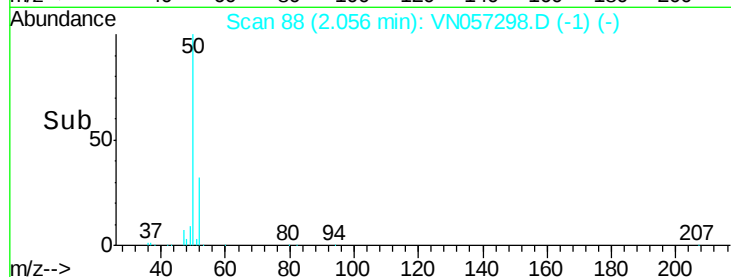
150000

100000

50000

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Time-->



#4

Vinyl Chloride

Concen: 20.387 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057298.D

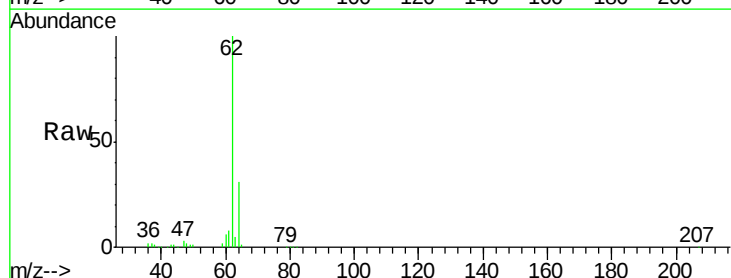
Acq: 14 Aug 2019 20:17

Tgt Ion: 62 Resp: 186173

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

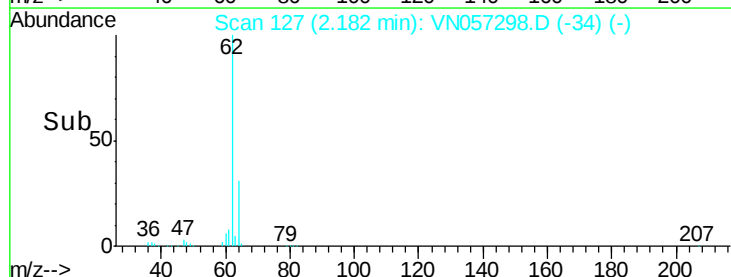
2.18

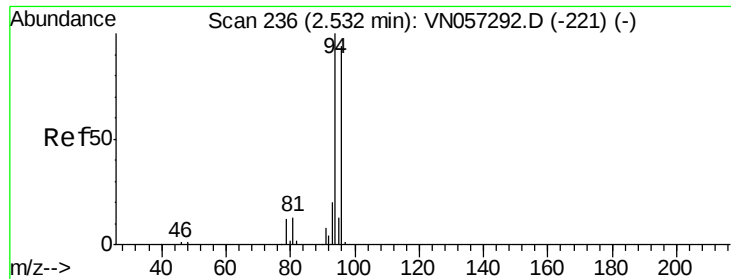
100000

50000

0

Time-->





#5

Bromomethane

Concen: 22.039 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 94 Resp: 143465

Ion Ratio Lower Upper

94 100

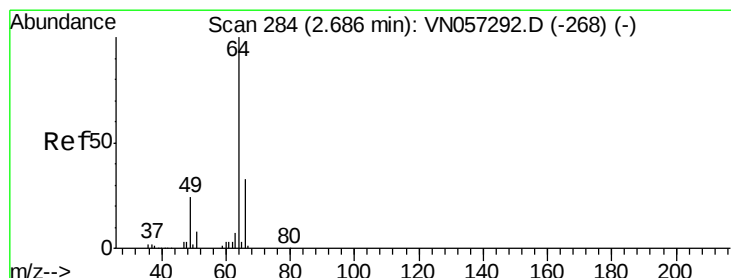
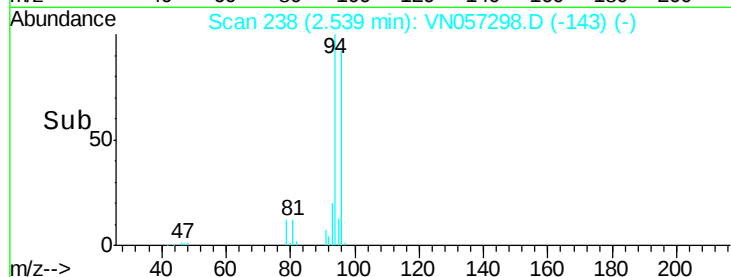
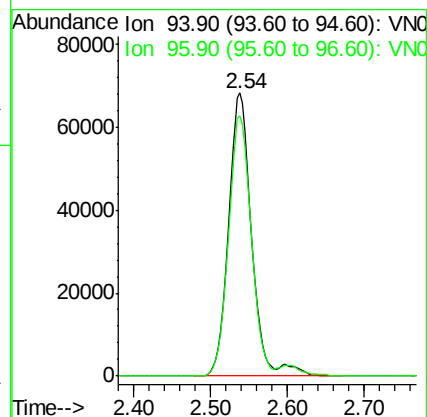
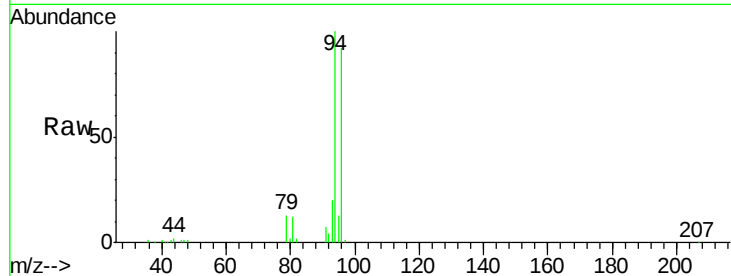
96 92.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 20.258 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057298.D

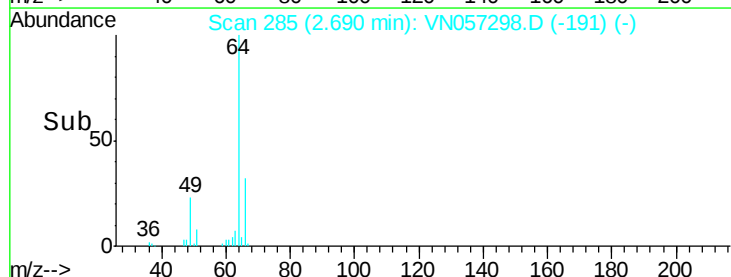
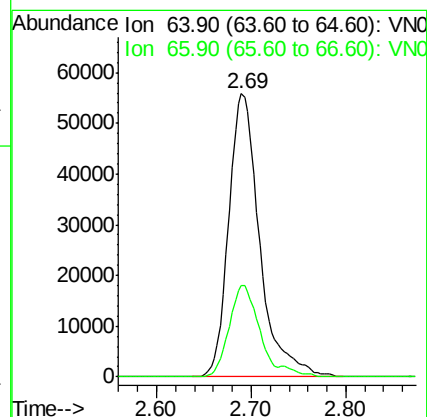
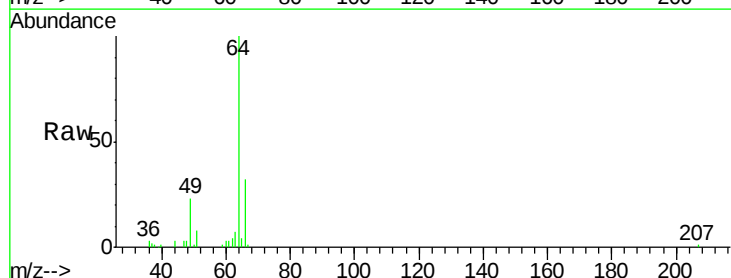
Acq: 14 Aug 2019 20:17

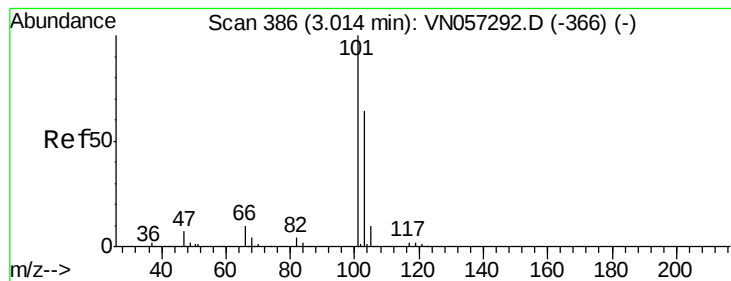
Tgt Ion: 64 Resp: 127250

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

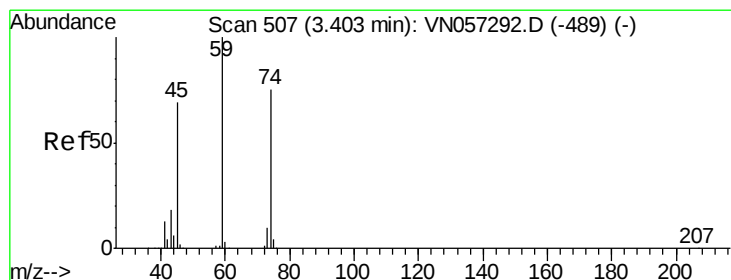
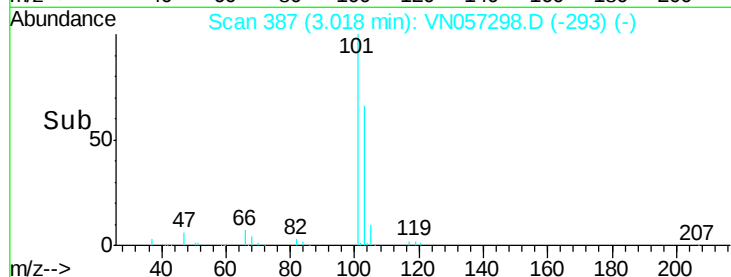
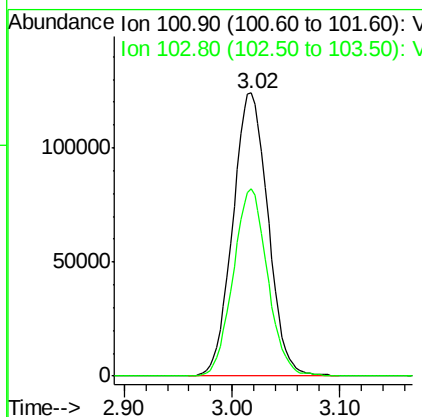
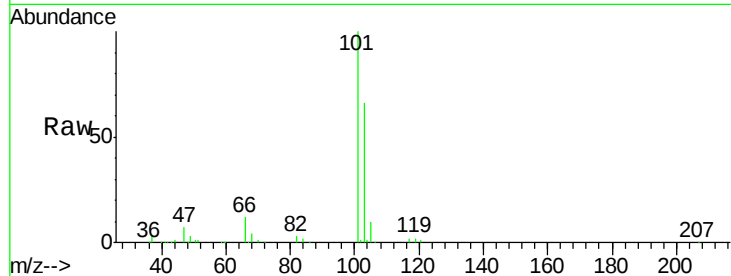
Trichlorofluoromethane
 Concen: 19.755 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	282978		
103	66.0	51.5	77.3	

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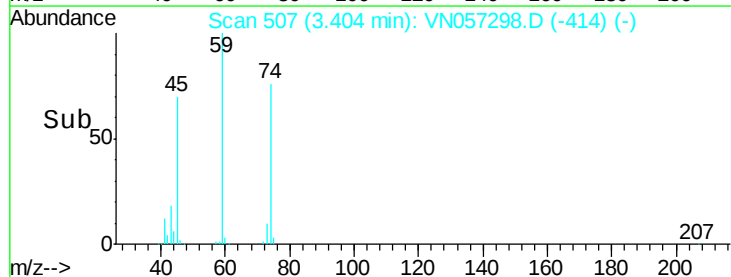
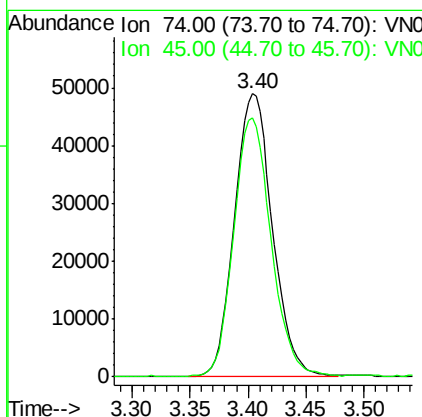
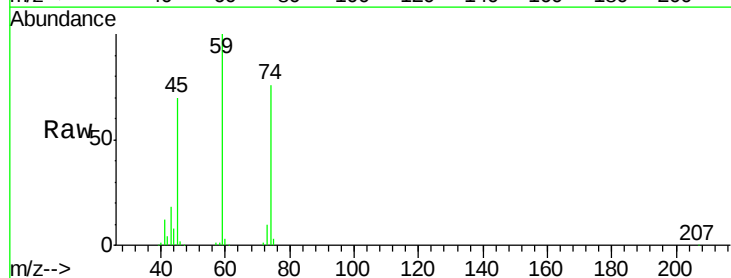
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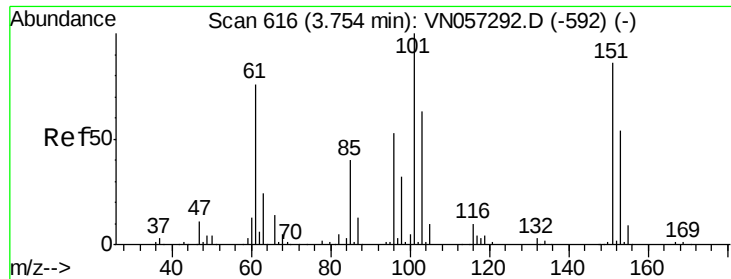


#8

Diethyl Ether
 Concen: 20.709 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	111652		
45	90.2	45.9	137.6	





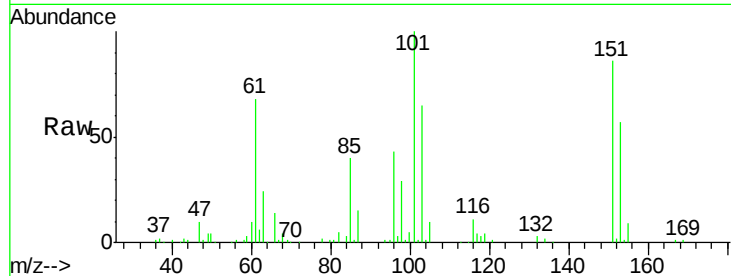
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.169 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN057298.D
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 VN0815WBSD01

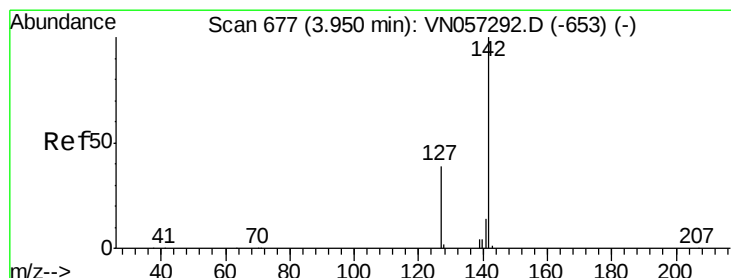
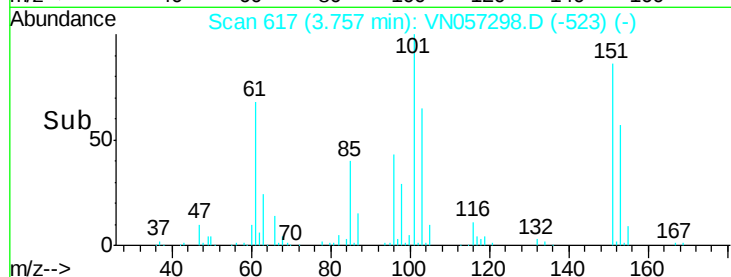
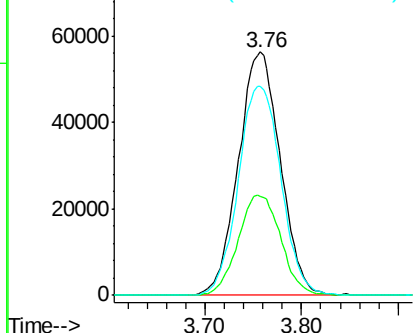
Tot Ion	Ratio	Resp	Lower	Upper
101	100	169740		
85	41.7	32.7	49.1	
151	87.7	69.1	103.7	

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 8/19/2019 1:53:23 AM

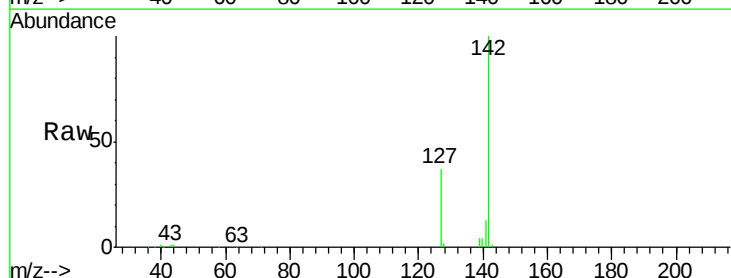


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

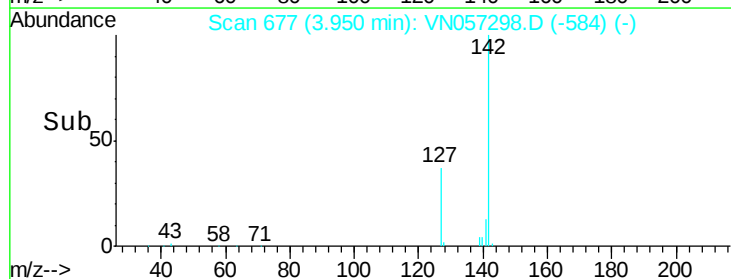
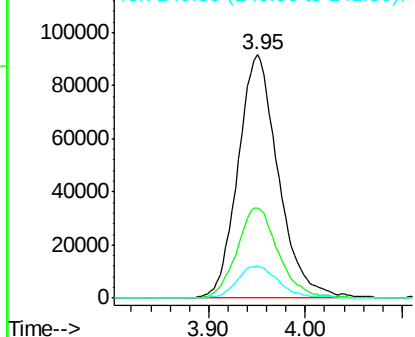


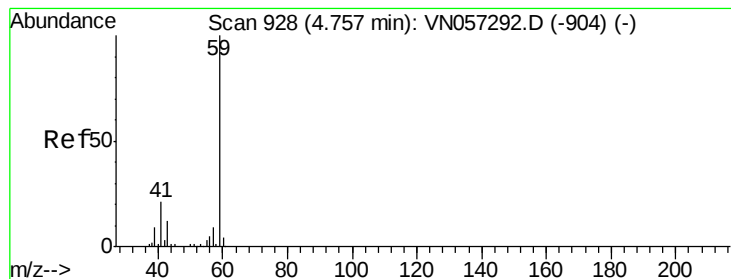
#10
 Methyl Iodide
 Concen: 19.645 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	264264		
127	38.5	31.6	47.4	
141	13.9	11.2	16.8	



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

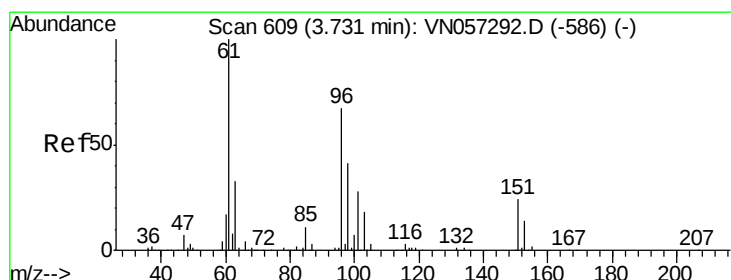
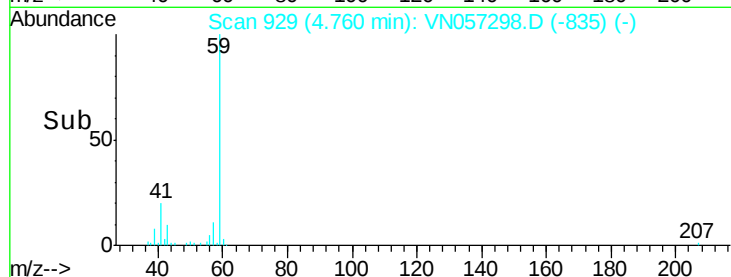
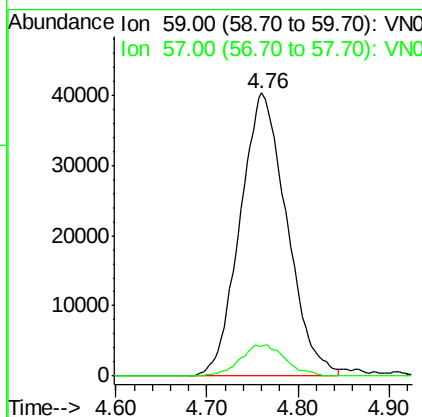
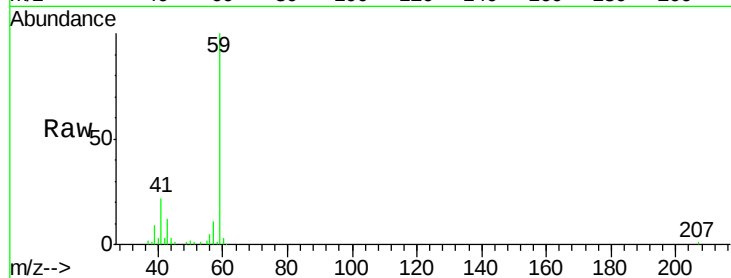
Tert butyl alcohol
Concen: 97.214 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

Manual Integrations
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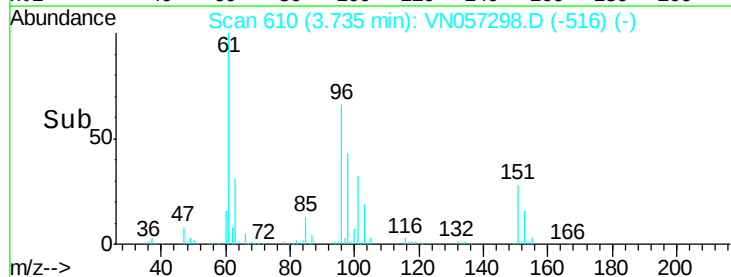
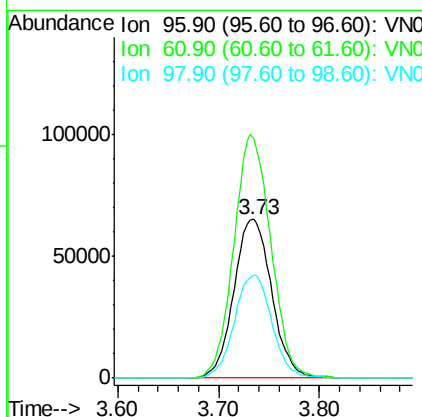
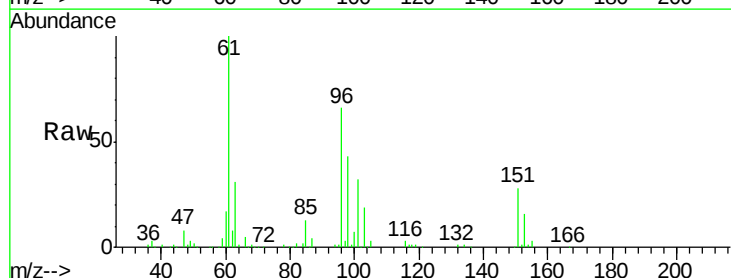
MMDadoda
8/19/2019 1:53:23 AM

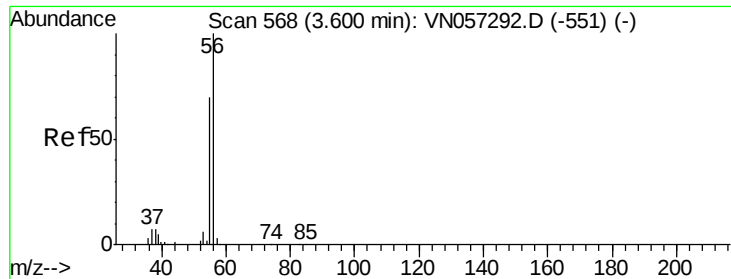


#12

1,1-Dichloroethene
Concen: 20.234 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	119.7	179.5
98	64.4	49.0	73.4





#13

Acrolein

Concen: 91.774 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 56 Resp: 82289

Ion Ratio Lower Upper

56 100

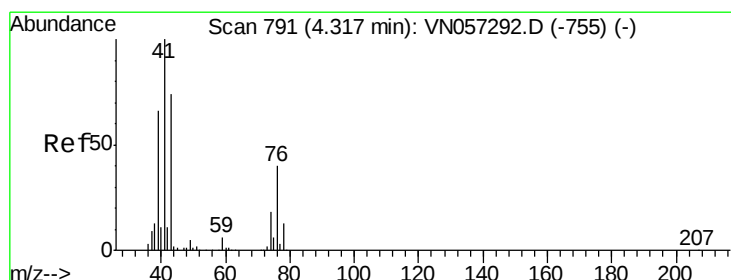
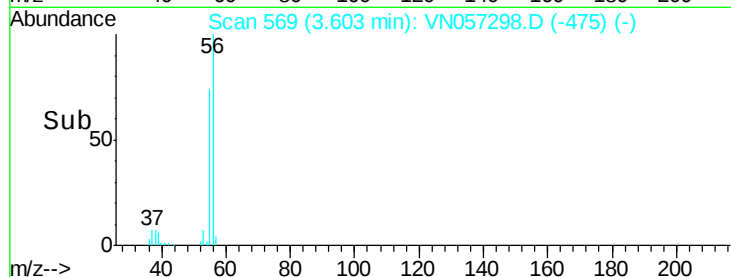
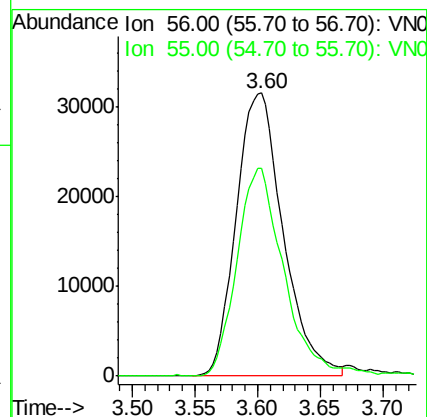
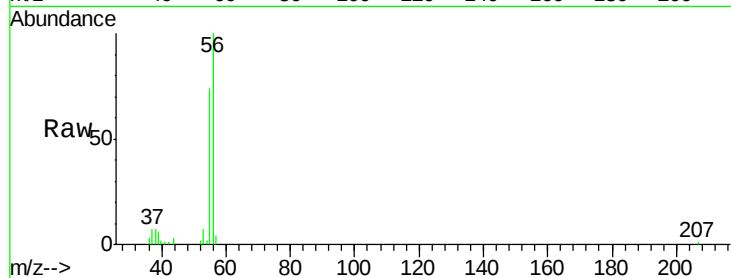
55 73.3 56.6 84.8

Manual Integrations

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MMdadoda

8/19/2019 1:53:23 AM



#14

Allyl chloride

Concen: 18.297 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

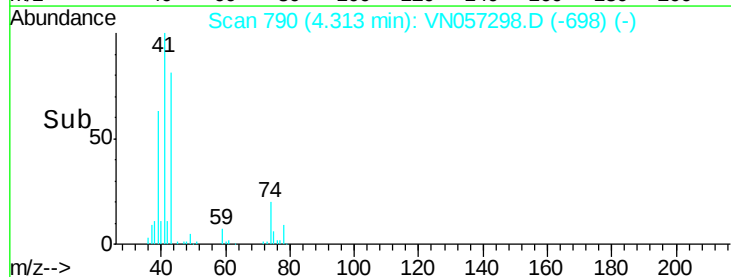
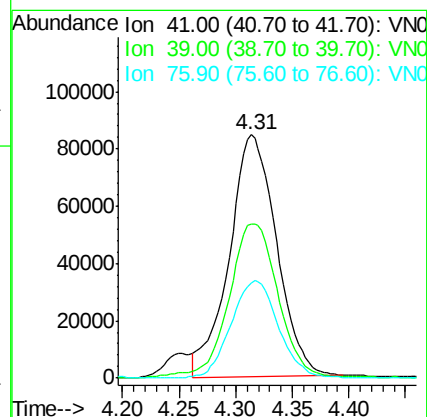
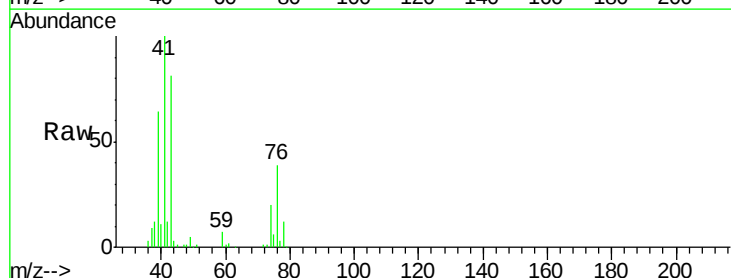
Tgt Ion: 41 Resp: 245937

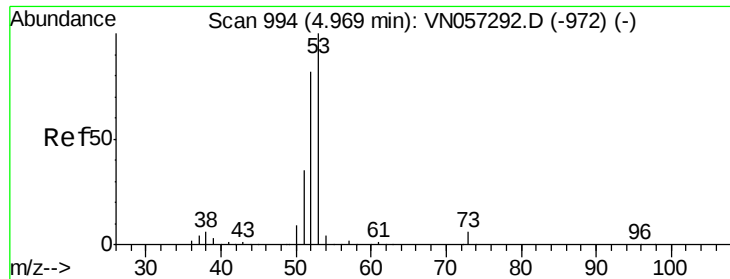
Ion Ratio Lower Upper

41 100

39 66.7 49.0 73.6

76 40.4 29.0 43.4





#15

Acrylonitrile

Concen: 101.708 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

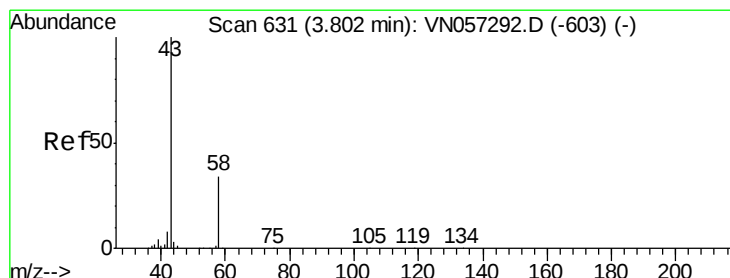
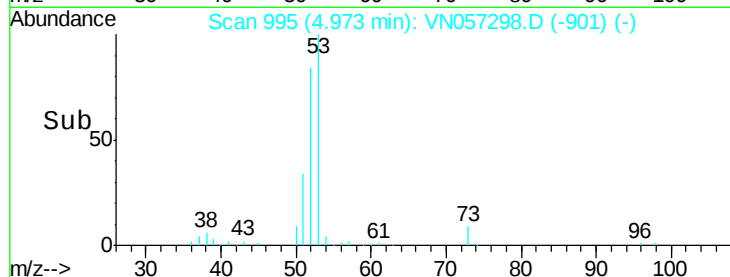
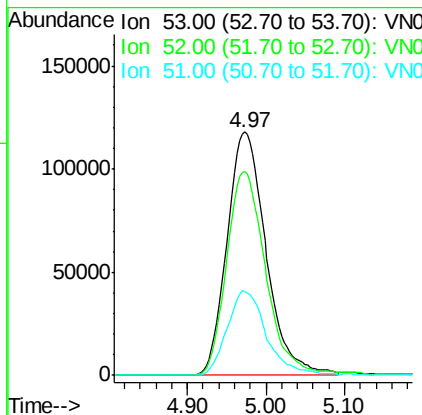
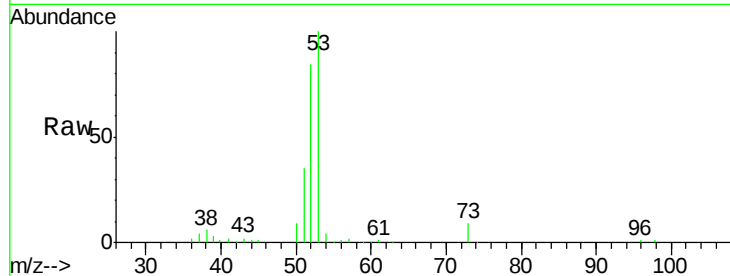
ClientSampleId :

VN0815WBSD01

Tot Ion:	53	Resp:	407846
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	35.0	28.5	42.7

Manual Integrations
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MMDadoda
8/19/2019 1:53:23 AM



#16

Acetone

Concen: 84.733 ug/l

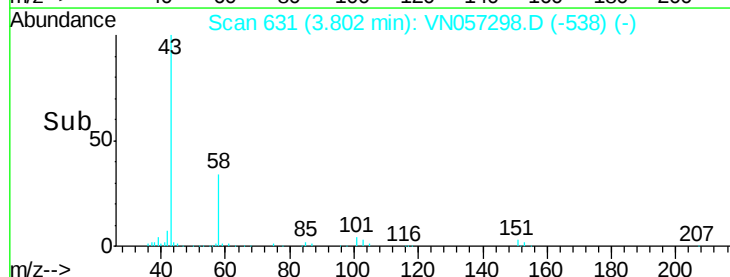
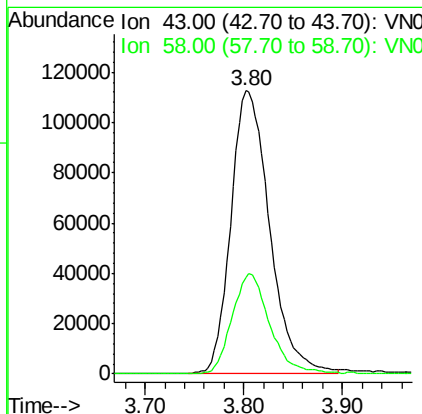
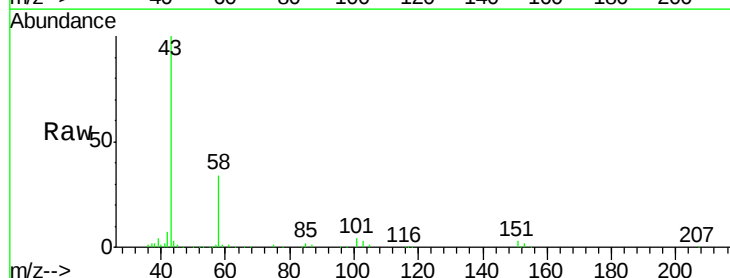
RT: 3.80 min Scan# 631

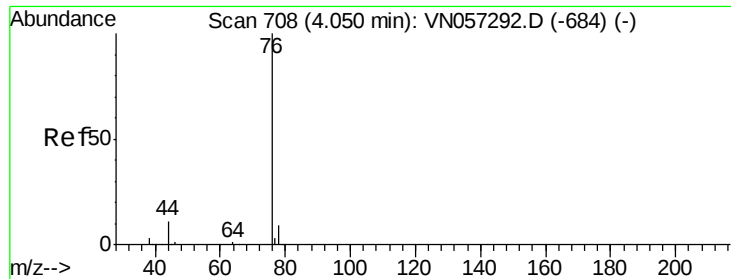
Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Tgt Ion:	43	Resp:	305384
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.0	40.6





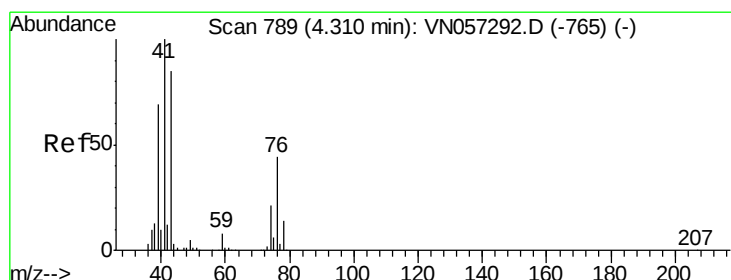
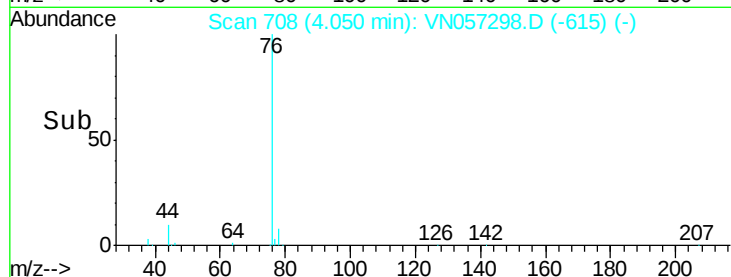
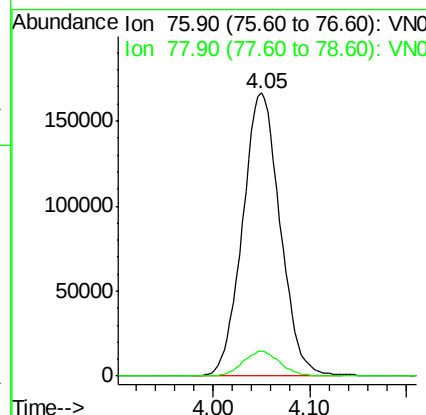
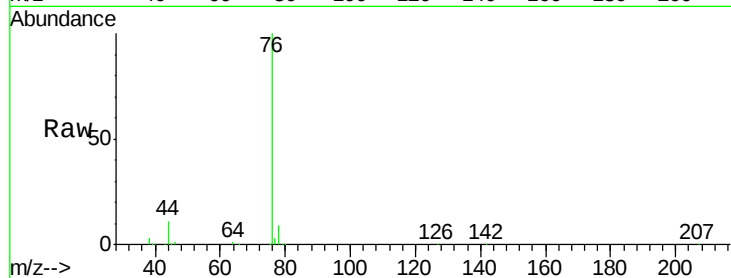
#17
Carbon Disulfide
Concen: 19.906 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

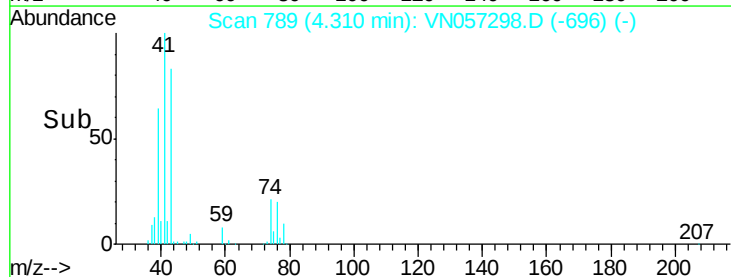
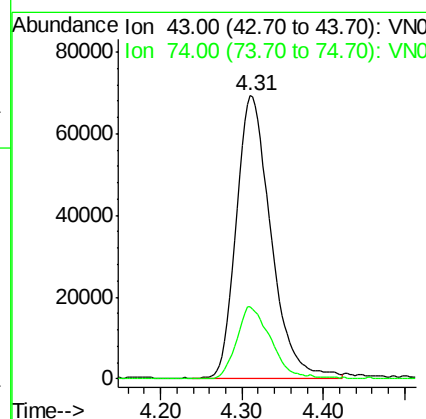
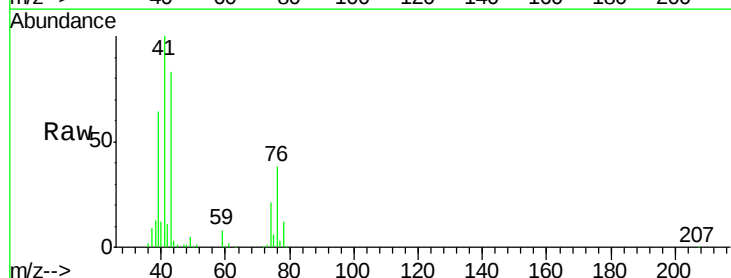
Manual Integrations
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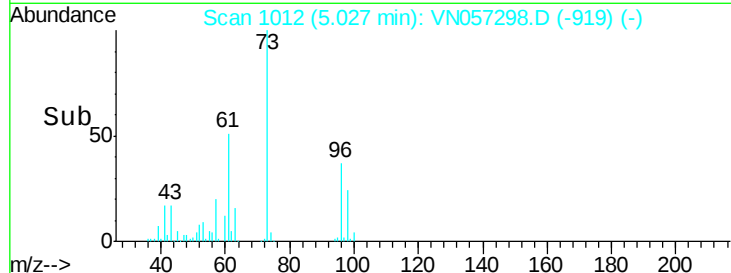
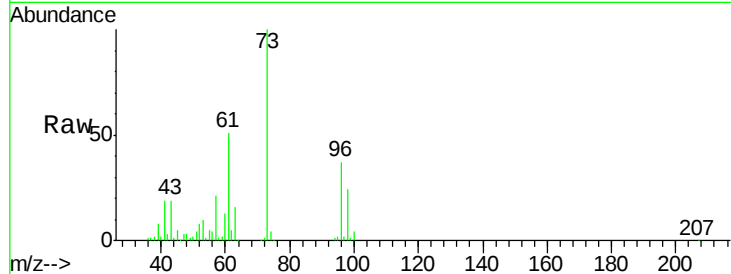
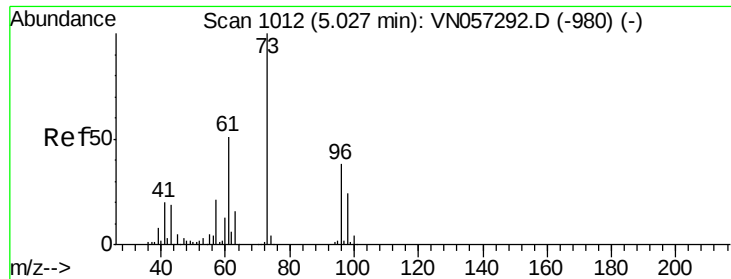
MMdadoda
8/19/2019 1:53:23 AM



#18
Methyl Acetate
Concen: 19.743 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.2	30.2





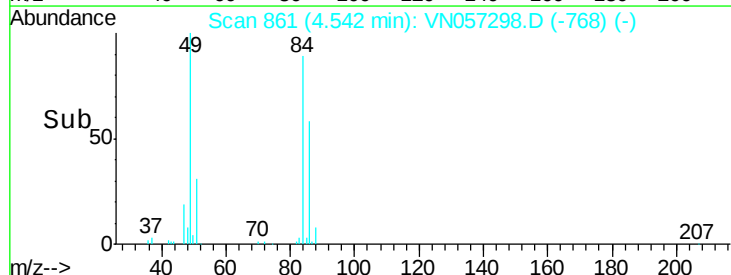
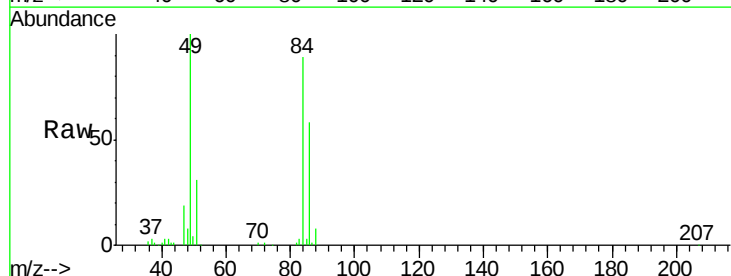
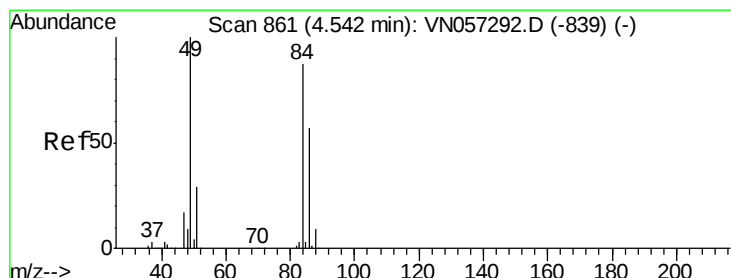
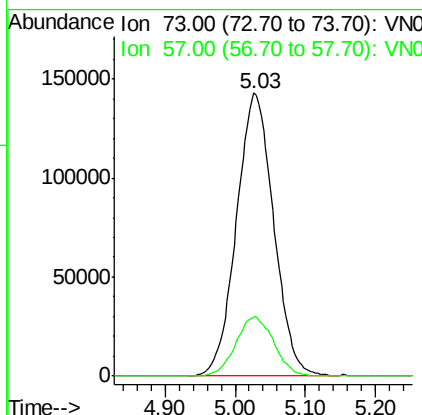
#19
Methvl tert-butvl Ether
Concen: 19.939 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tot Ion: 73 Resp: 524606
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

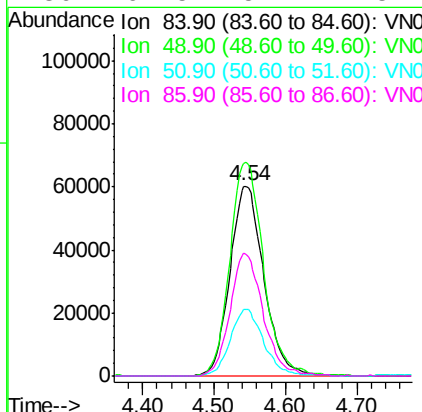
Manual Integrations
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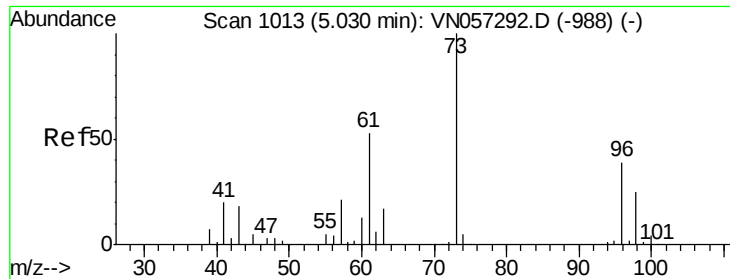
MMdadoda
8/19/2019 1:53:23 AM



#20
Methylene Chloride
Concen: 19.819 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion: 84 Resp: 199854
Ion Ratio Lower Upper
84 100
49 111.9 92.0 138.0
51 34.9 27.1 40.7
86 64.5 52.2 78.2





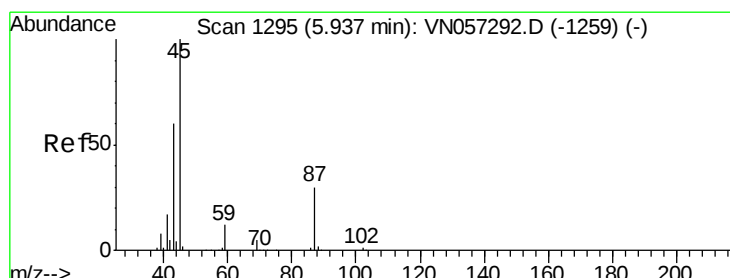
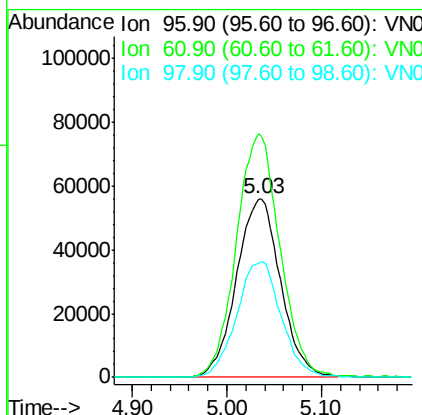
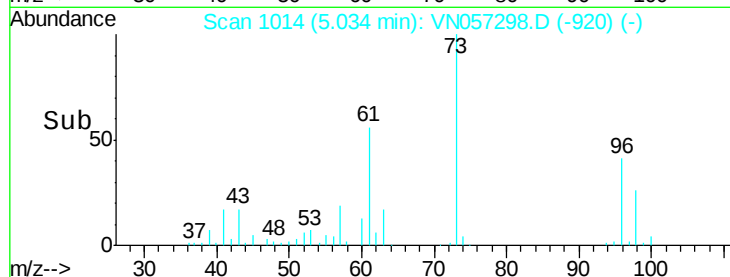
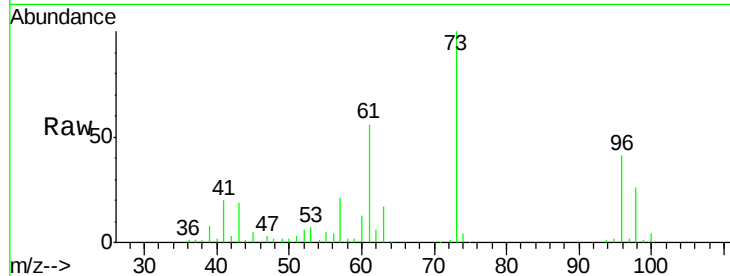
#21
trans-1,2-Dichloroethene
Concen: 20.091 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.5	164.3
98	63.7	51.0	76.6

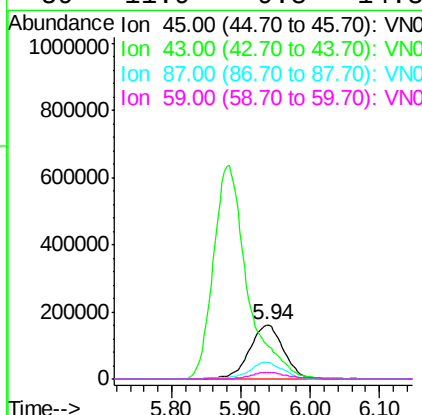
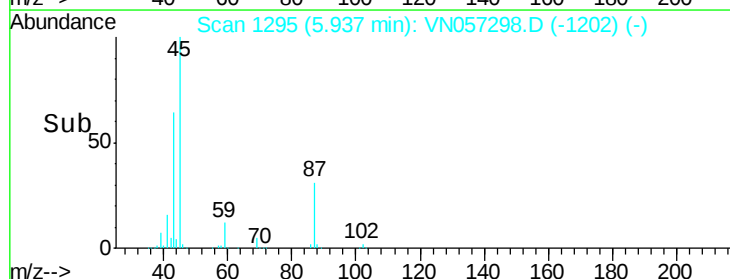
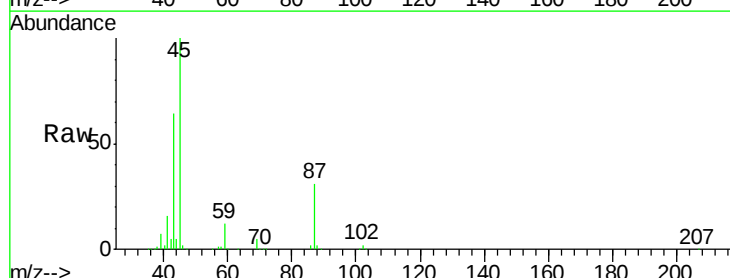
Manual Integrations
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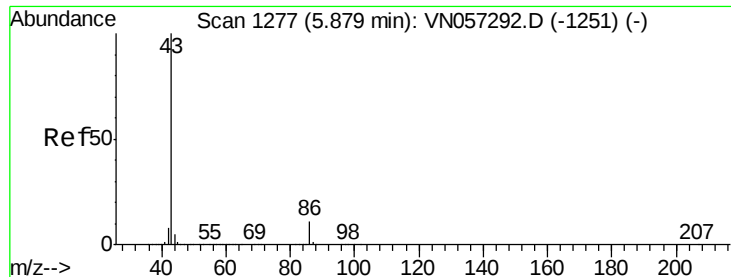
MMdadoda
8/19/2019 1:53:23 AM



#22
Diisopropyl ether
Concen: 20.630 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.3	72.5
87	31.3	24.6	36.8
59	11.9	9.8	14.8





#23

Vinyl Acetate

Concen: 100.971 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 43 Resp: 2157684

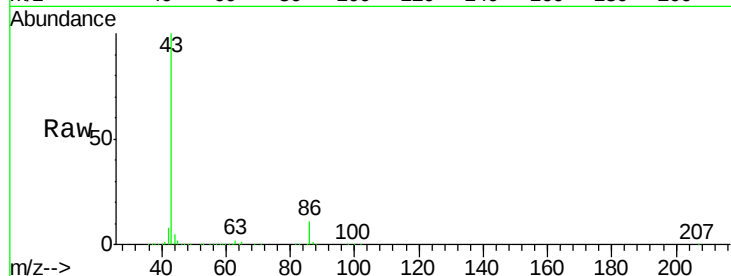
Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

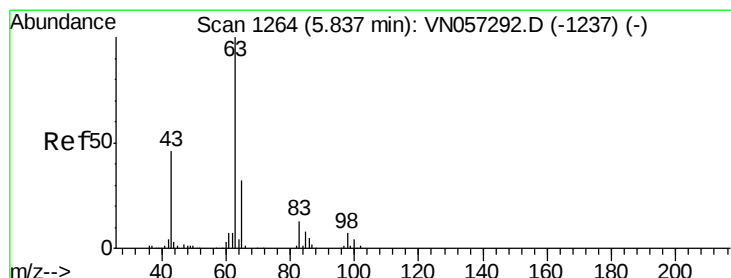
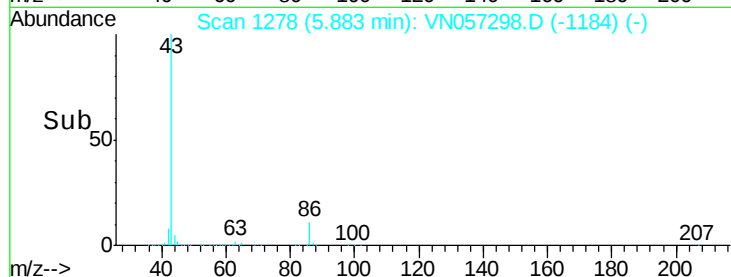
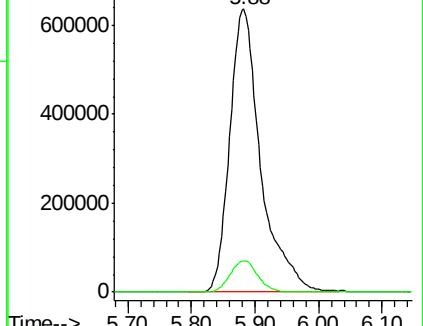
Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.196 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

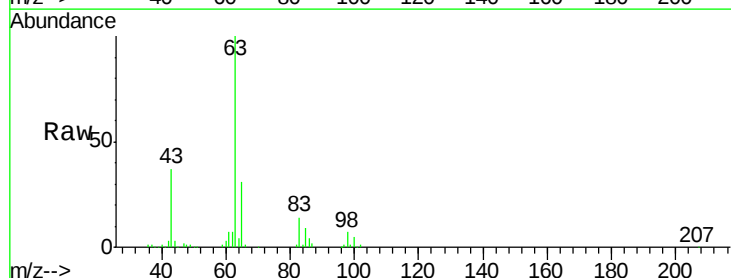
Tgt Ion: 63 Resp: 329922

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

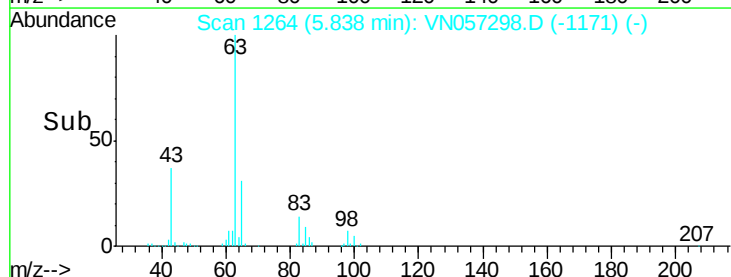
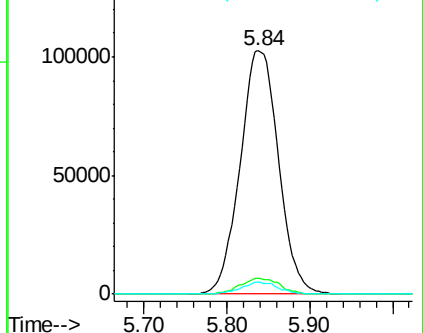
100 5.1 2.1 6.5

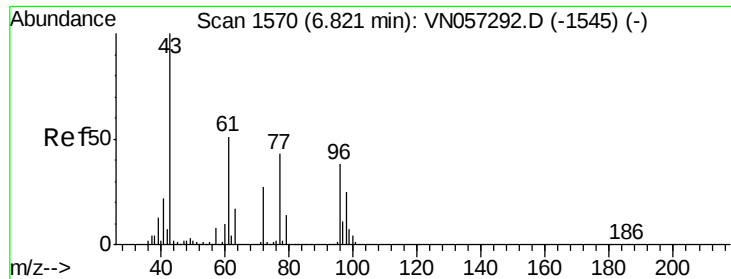


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





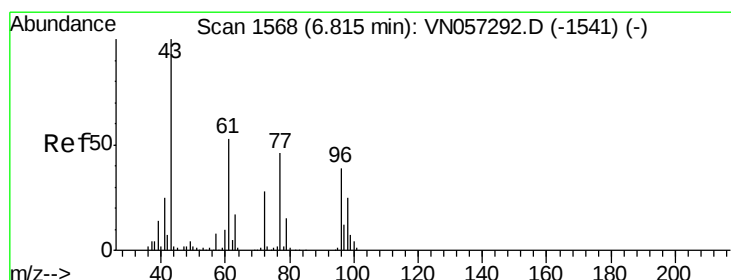
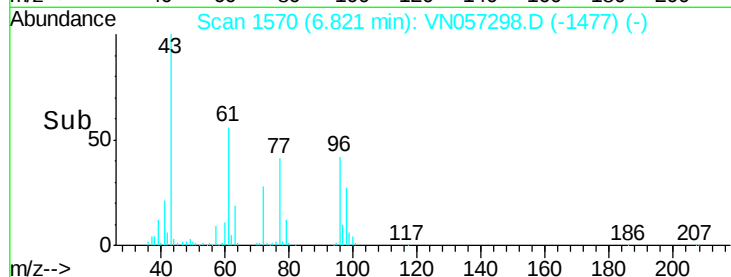
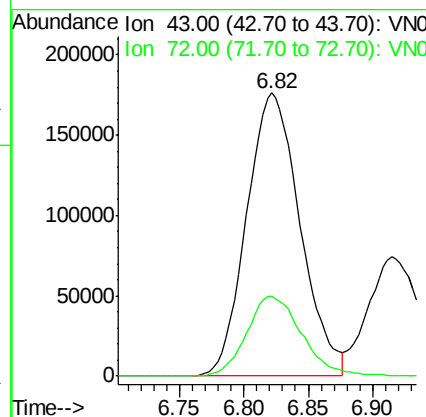
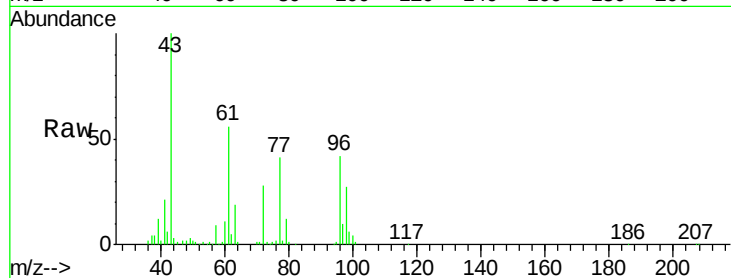
#25
2-Butanone
Concen: 97.003 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion: 43 Resp: 506266
Ion Ratio Lower Upper
43 100
72 28.2 21.5 32.3

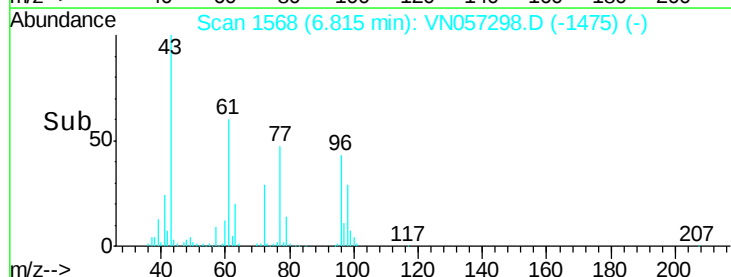
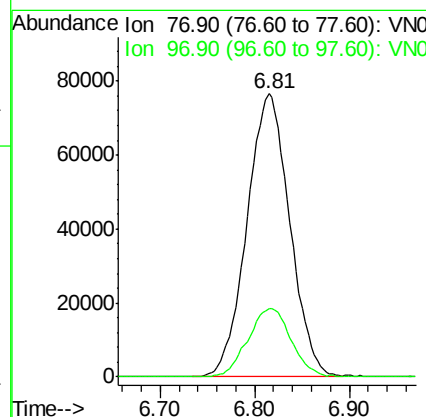
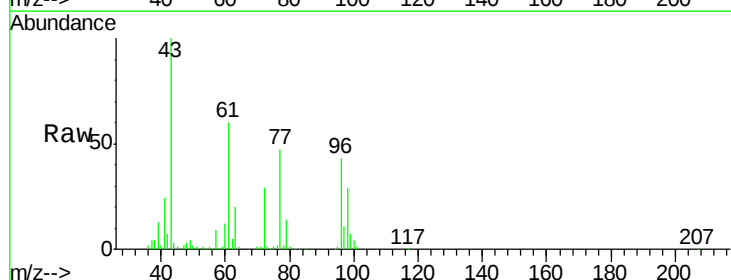
Manual Integrations
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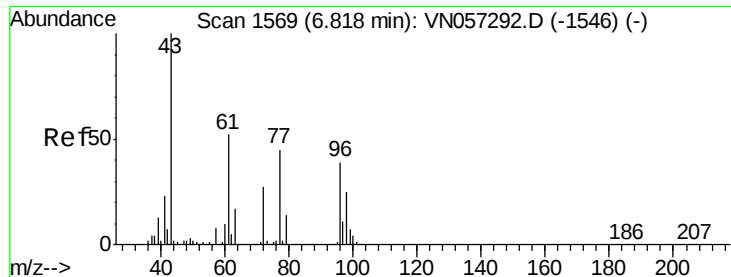
MMdadoda
8/19/2019 1:53:23 AM



#26
2,2-Dichloropropane
Concen: 18.195 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion: 77 Resp: 240218
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





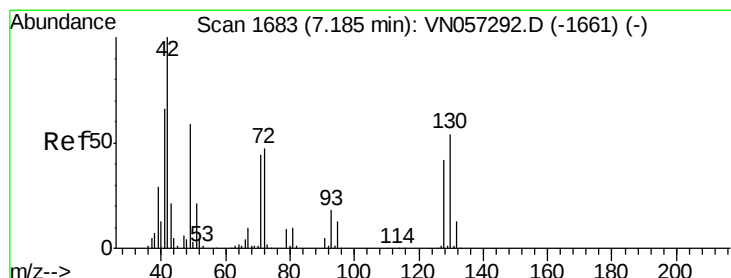
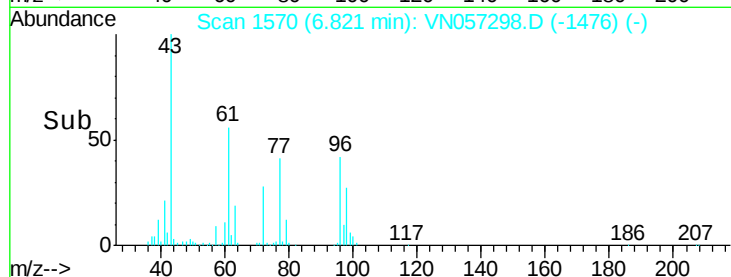
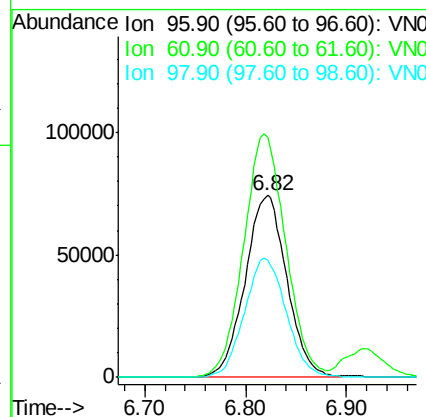
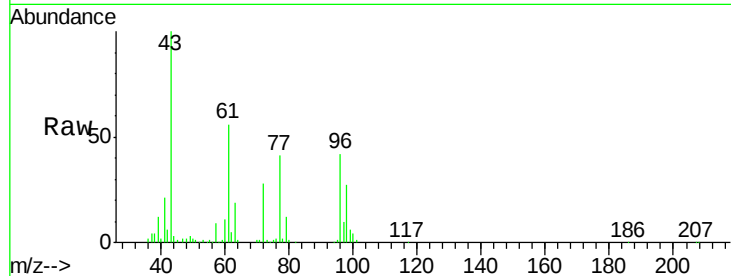
#27
 cis-1,2-Dichloroethene
 Concen: 19.964 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	213129		
61	135.2	0.0	272.0	
98	65.8	0.0	130.4	

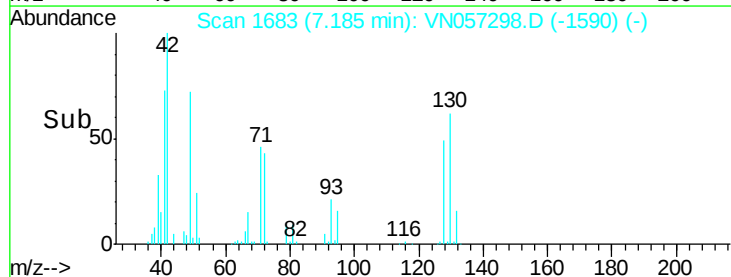
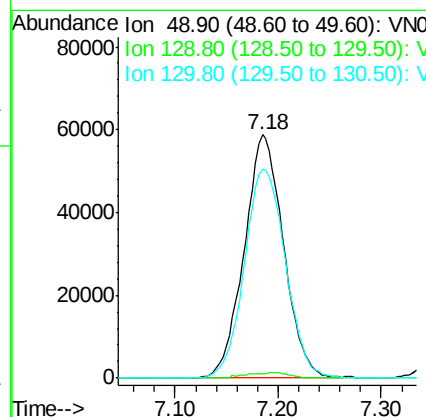
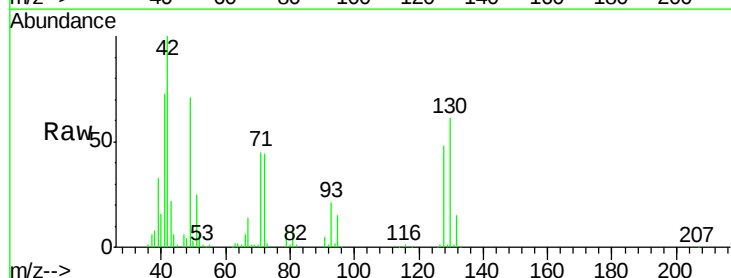
Manual Integrations
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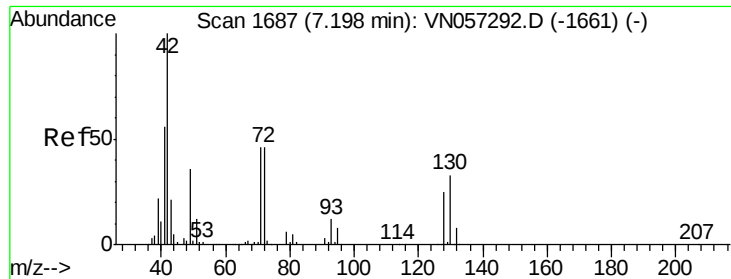
MMDadoda
 8/19/2019 1:53:23 AM



#28
 Bromochloromethane
 Concen: 21.445 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155653		
129	1.1	0.0	2.0	
130	89.9	73.2	109.8	





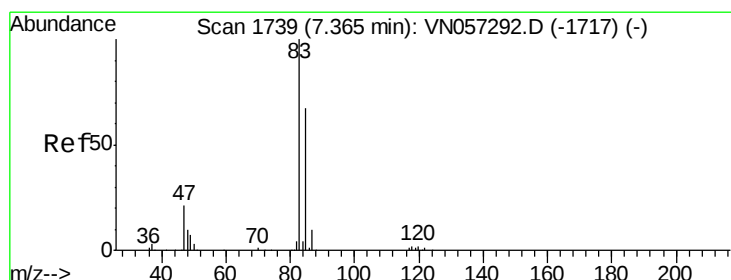
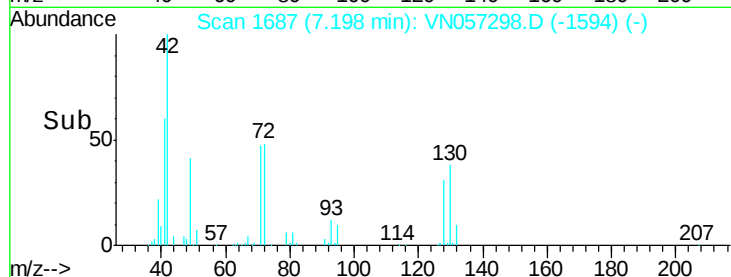
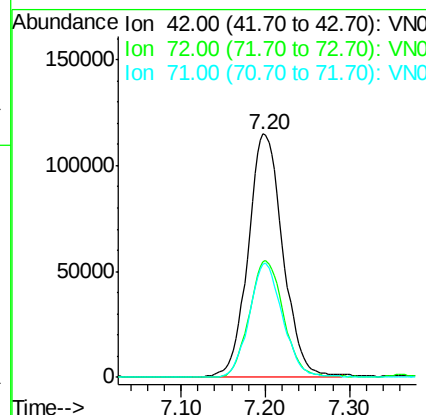
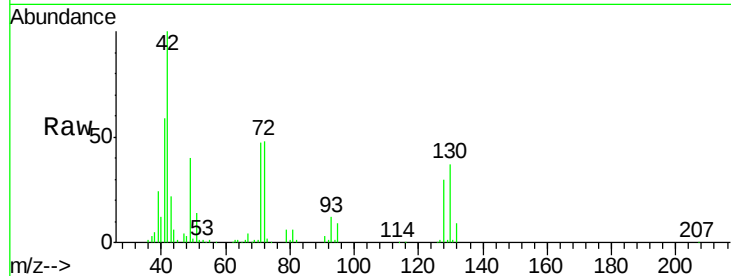
#29
Tetrahydrofuran
Concen: 99.342 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	45.2	35.7	53.5

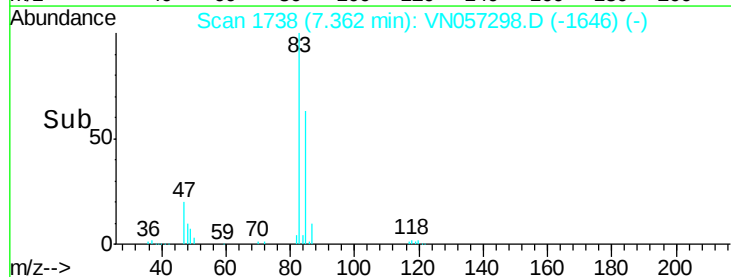
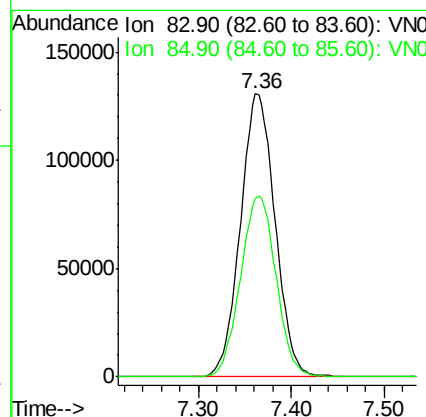
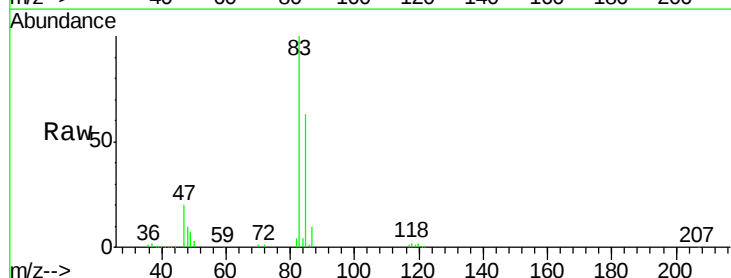
Manual Integrations
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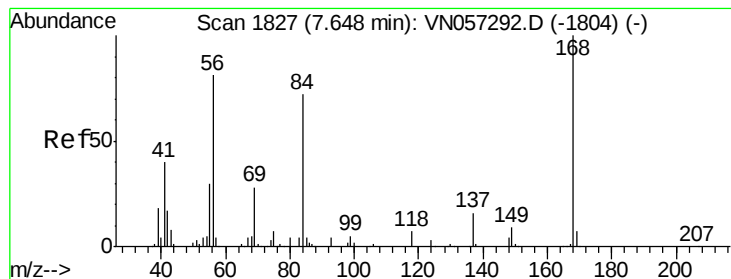
MMDadoda
8/19/2019 1:53:23 AM



#30
Chloroform
Concen: 19.812 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.3	79.9





#31

Cvclohexane

Concen: 20.376 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

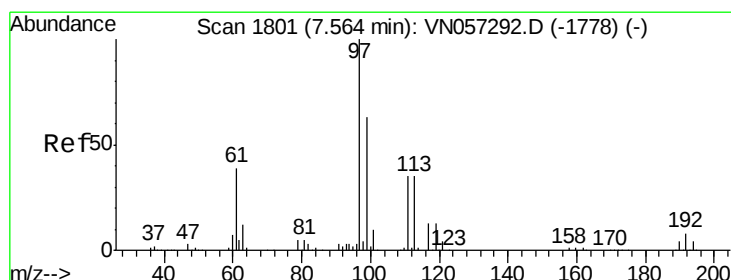
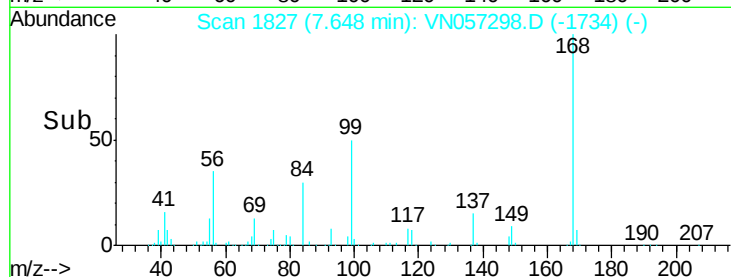
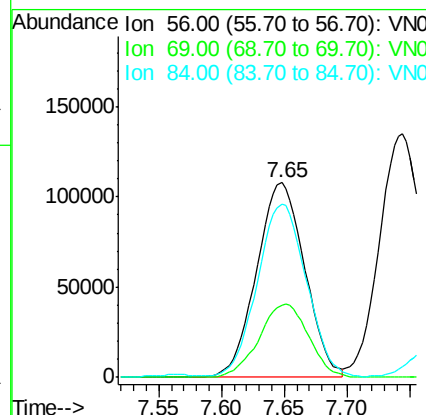
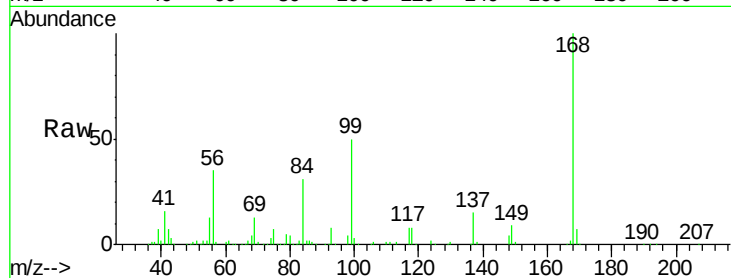
ClientSampleId :

VN0815WBSD01

Tot Ion:	56	Resp:	288453
Ion Ratio	Lower	Upper	
56	100		
69	36.9	27.3	40.9
84	88.1	71.0	106.6

Manual Integrations
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MMdadoda
8/19/2019 1:53:23 AM



#32

1,1,1-Trichloroethane

Concen: 20.281 ug/l

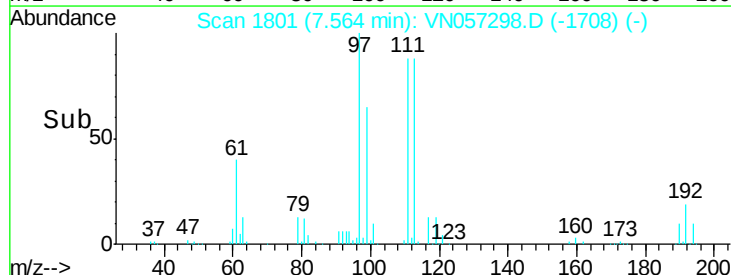
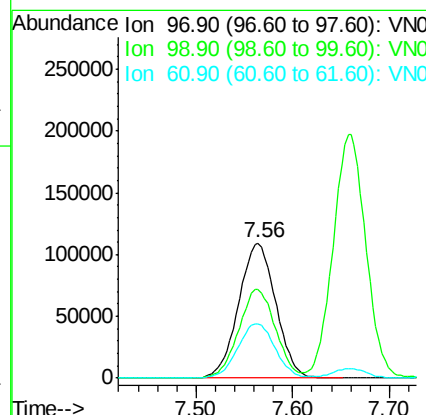
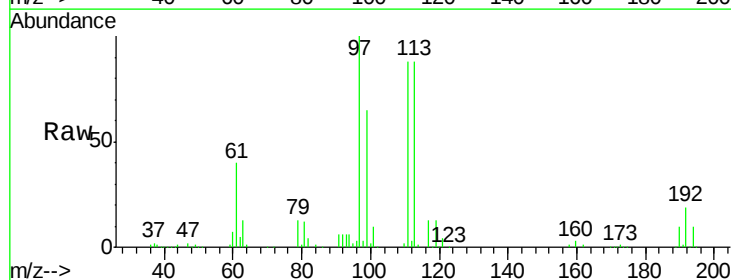
RT: 7.56 min Scan# 1801

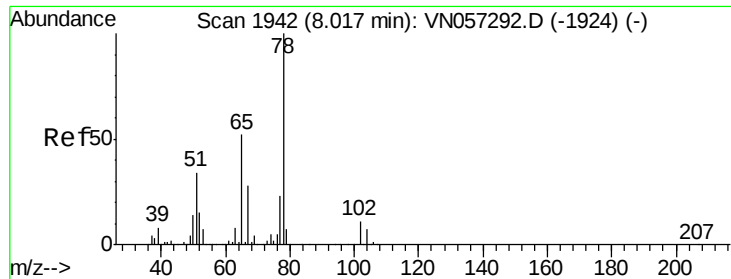
Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Tgt Ion:	97	Resp:	292017
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.3	75.5
61	40.5	31.3	46.9





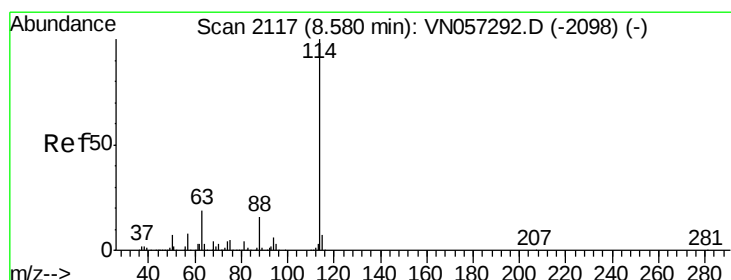
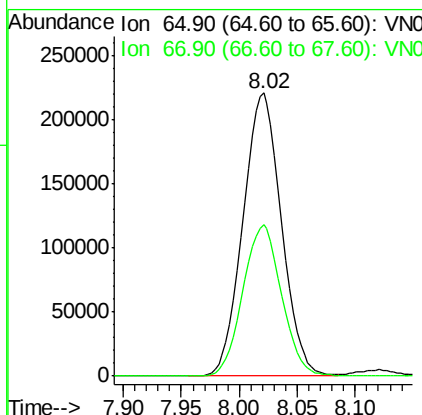
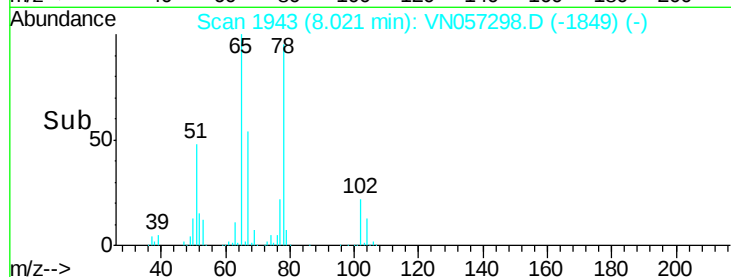
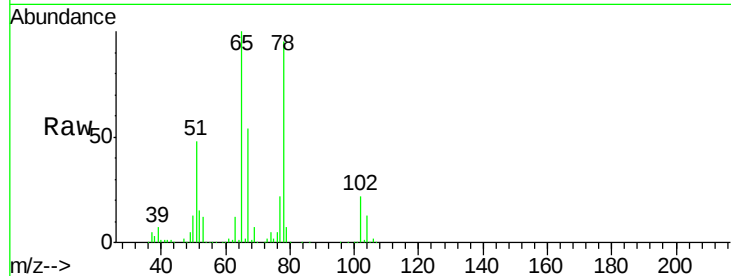
#33
 1,2-Dichloroethane-d4
 Concen: 49.163 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107.4	

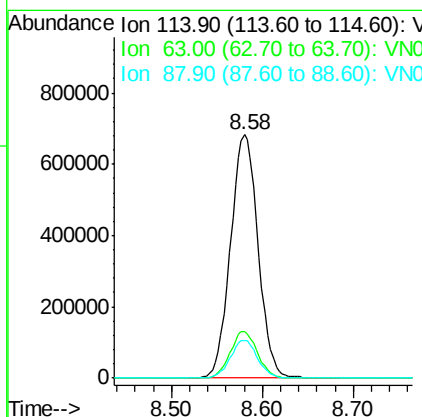
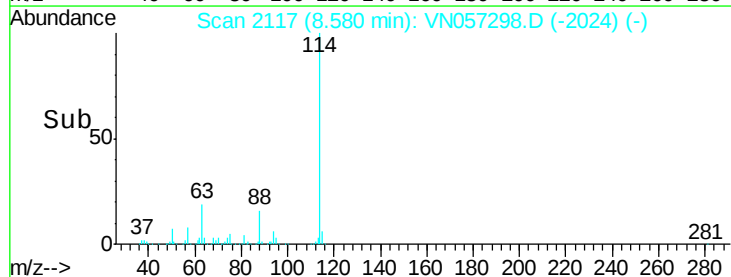
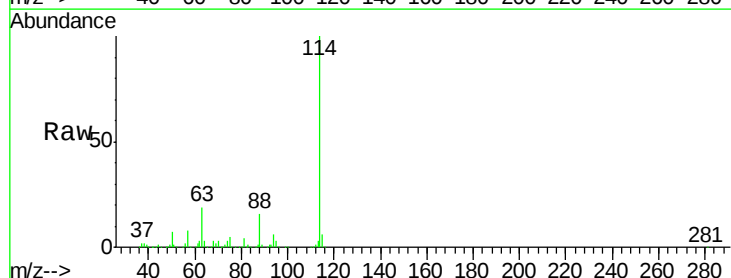
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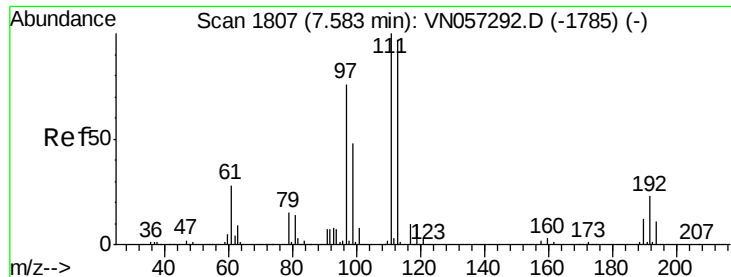
MMDadoda
 8/19/2019 1:53:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.8	
88	15.6	0.0	31.4	





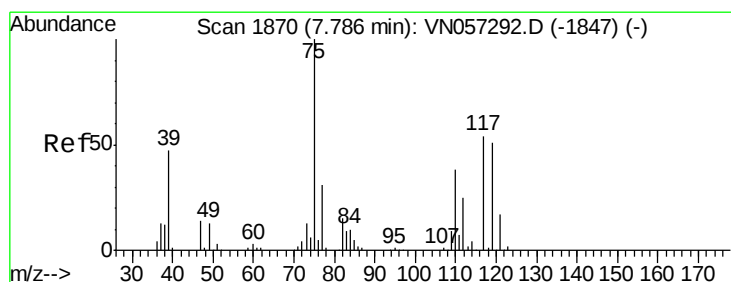
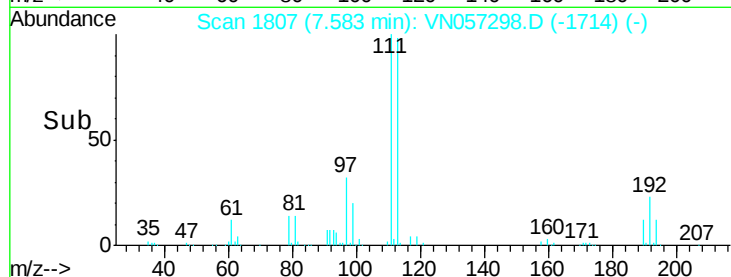
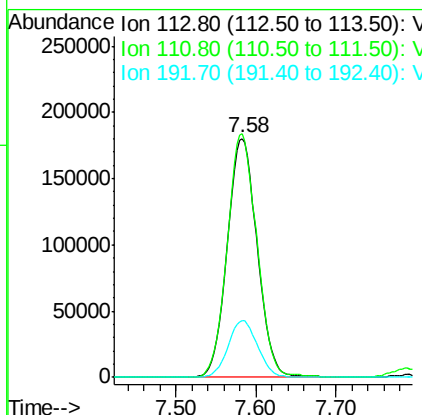
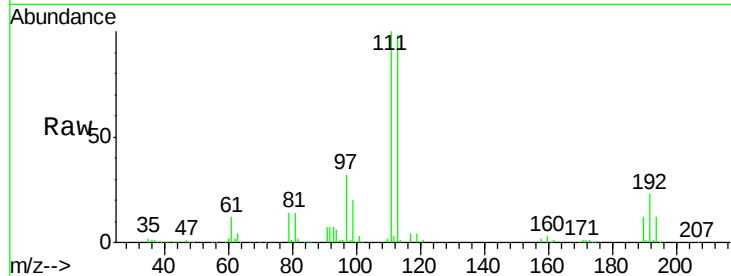
#35
 Dibromofluoromethane
 Concen: 48.820 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	459223		
111	100.5	82.1	123.1	
192	23.4	19.3	28.9	

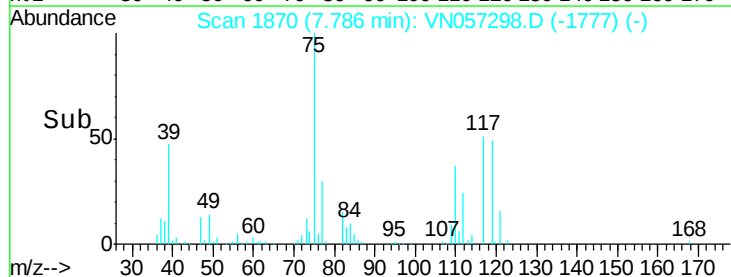
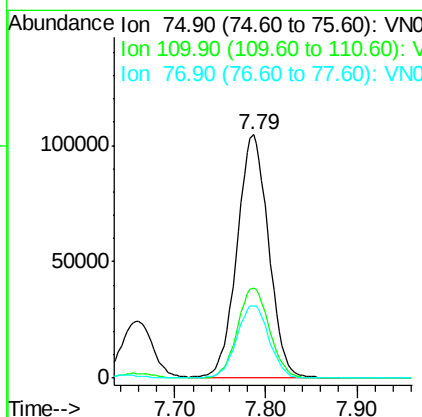
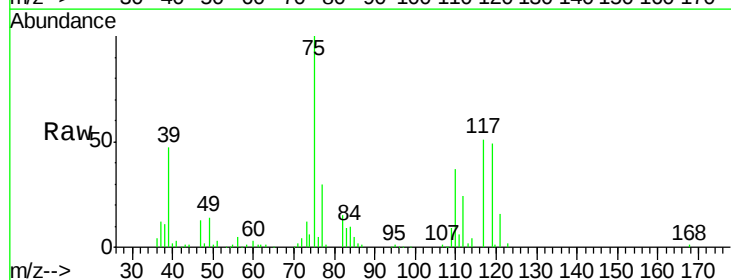
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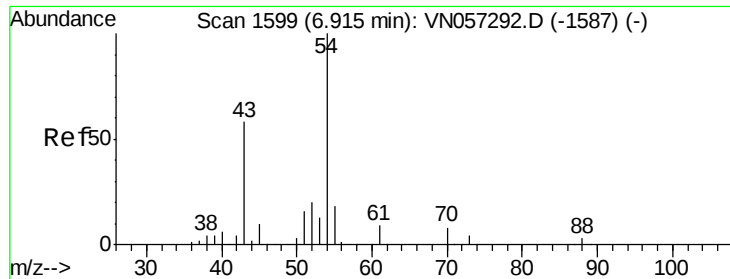
MMDadoda
 8/19/2019 1:53:23 AM



#36
 1,1-Dichloropropene
 Concen: 19.951 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	252779		
110	37.6	19.5	58.5	
77	30.6	25.0	37.6	





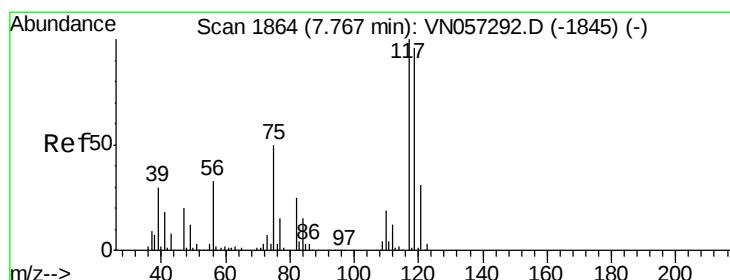
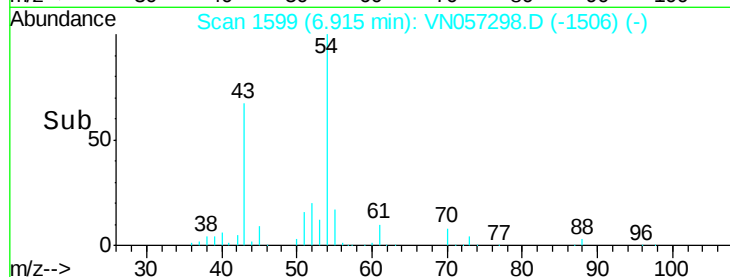
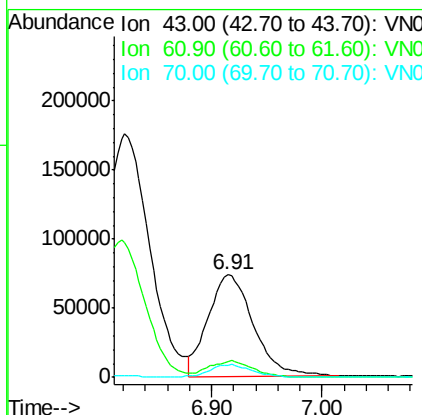
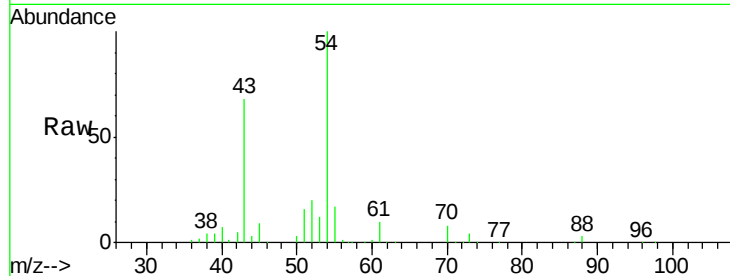
#37
Ethyl Acetate
Concen: 20.194 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	11.9	9.2	13.8

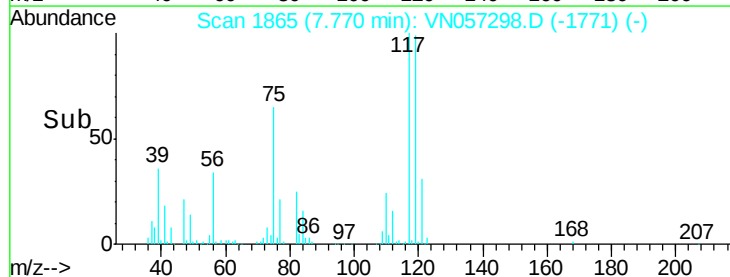
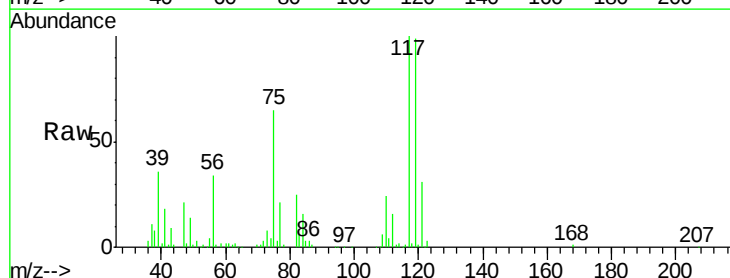
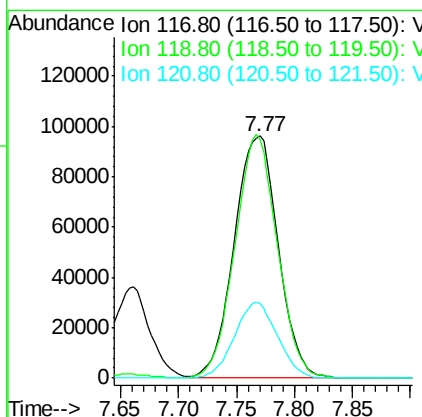
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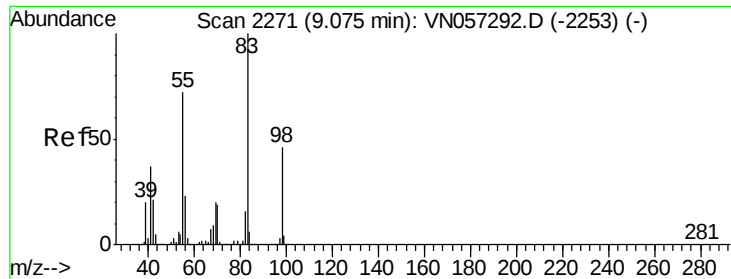
MMdadoda
8/19/2019 1:53:23 AM



#38
Carbon Tetrachloride
Concen: 19.259 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.8	115.2
121	30.7	25.0	37.4





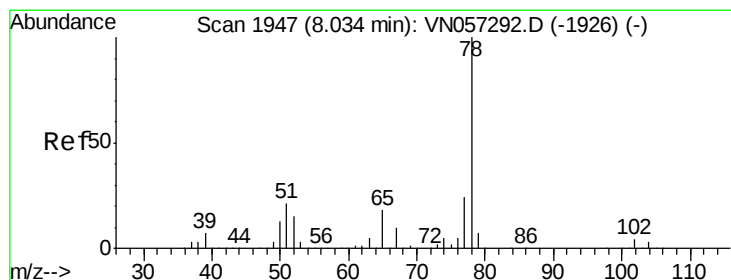
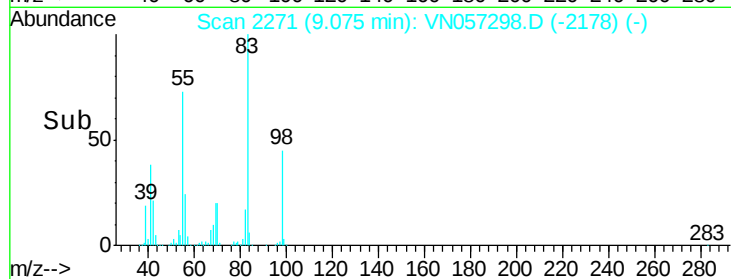
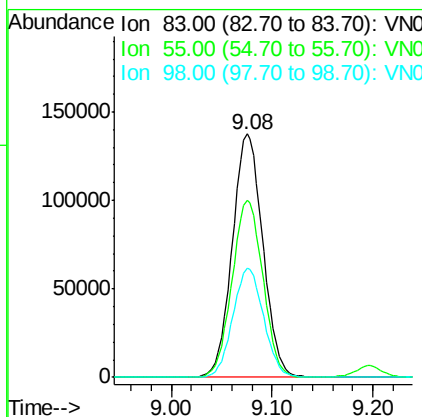
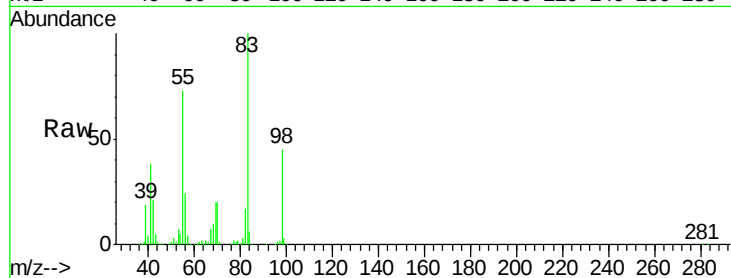
#39
Methvlcvclohexane
Concen: 19.535 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	288997		
55	72.7		57.5	86.3
98	44.7		36.6	55.0

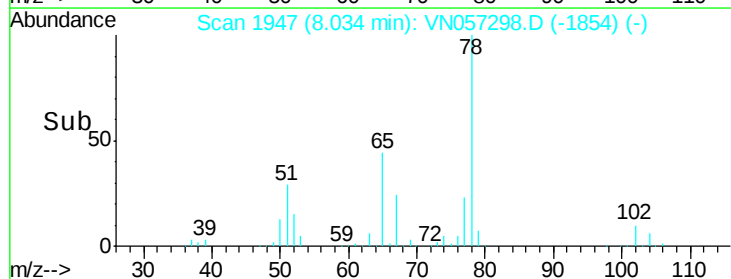
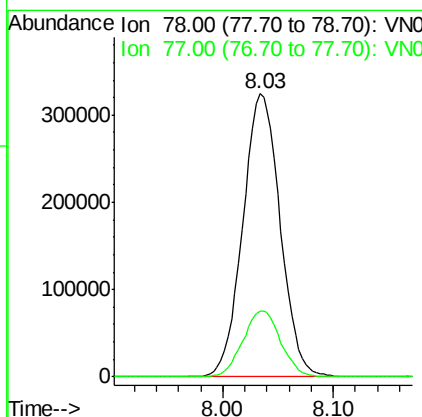
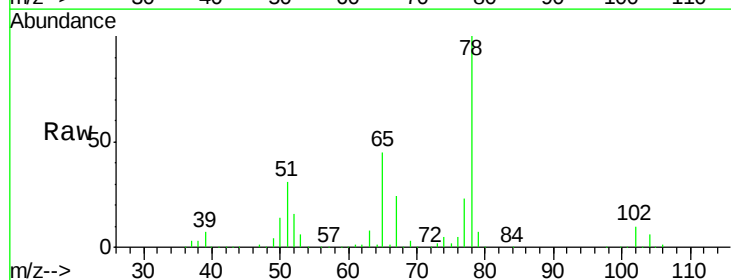
Manual Integrations
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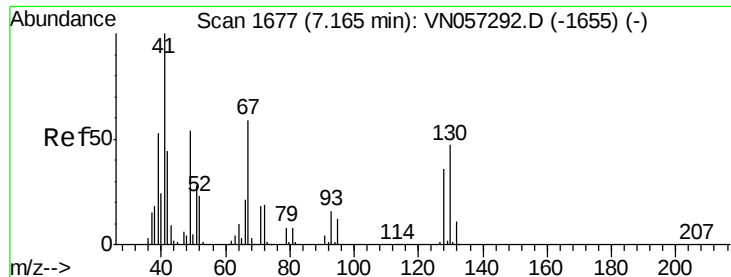
MMDadoda
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#40
Benzene
Concen: 19.646 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	761304		
77	23.5		19.1	28.7





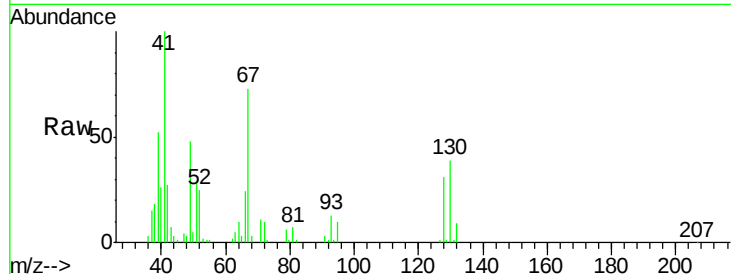
#41
Methacrylonitrile
Concen: 20.663 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

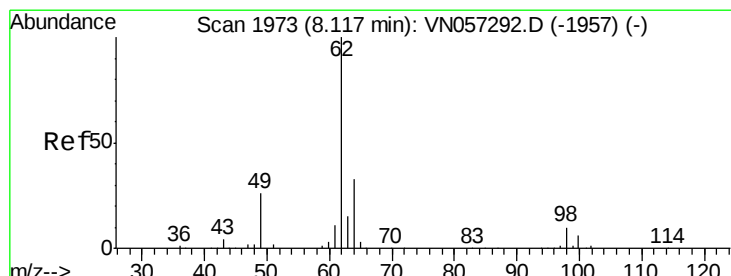
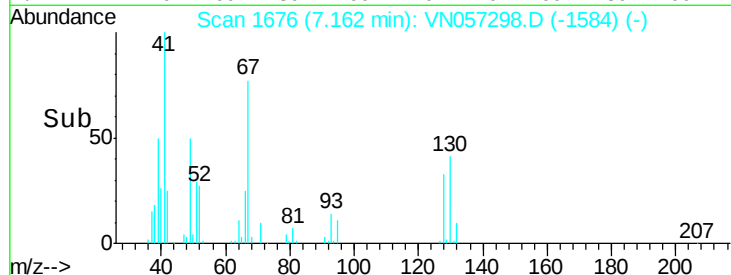
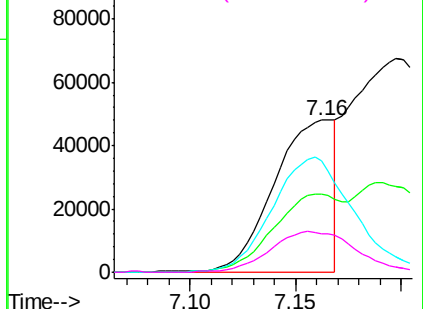
Tot Ion	41	Resp	96563
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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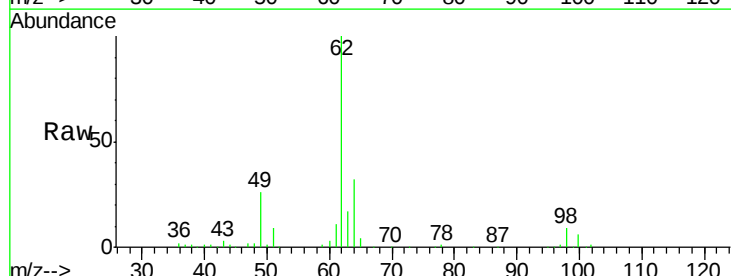


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

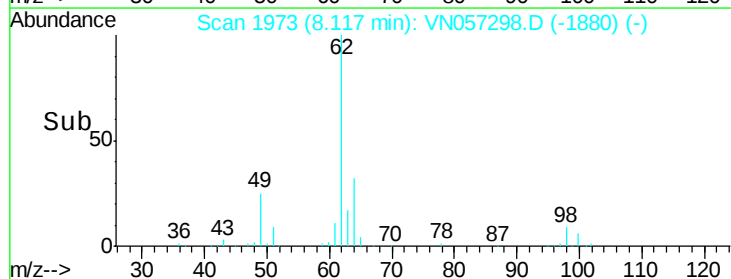
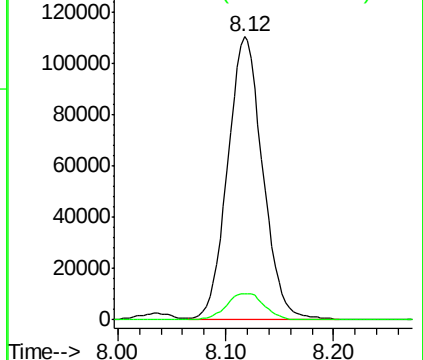


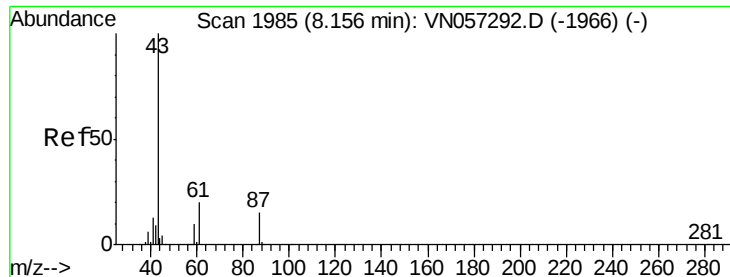
#42
1,2-Dichloroethane
Concen: 19.409 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	62	Resp	248931
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	19.4



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





#43

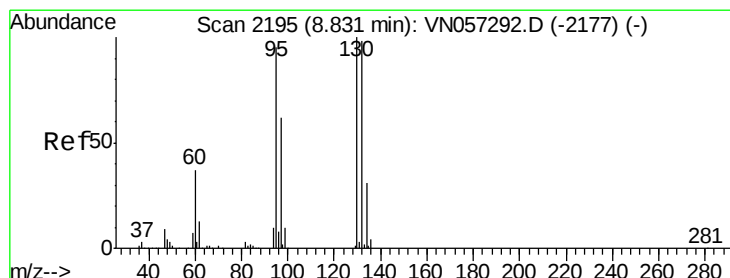
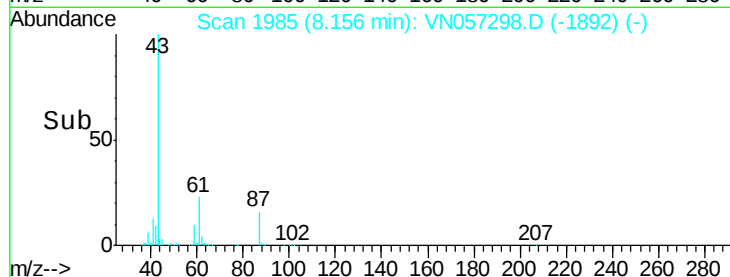
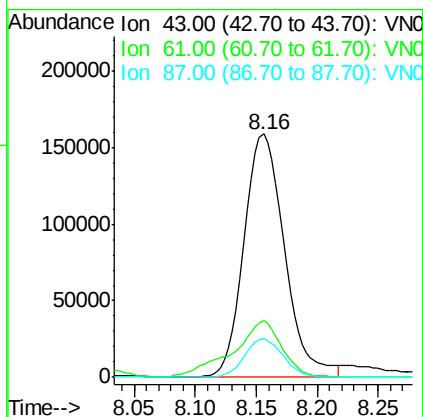
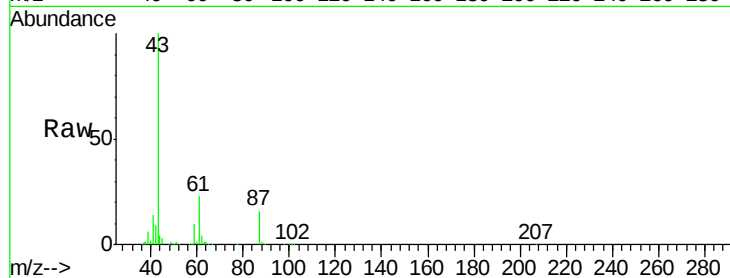
Isopropyl Acetate
 Concen: 17.920 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.6	32.4
87	15.0	11.4	17.0

Manual Integrations
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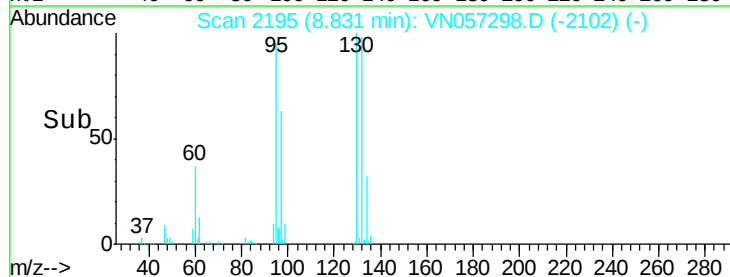
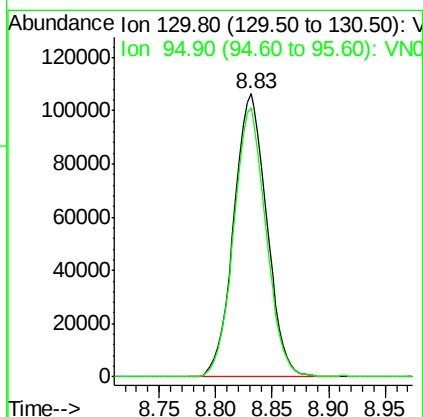
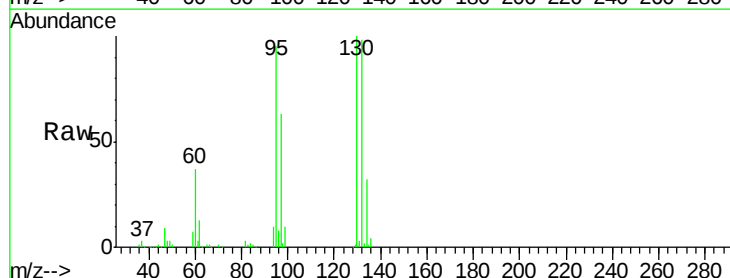
MMDadoda
 8/19/2019 1:53:23 AM

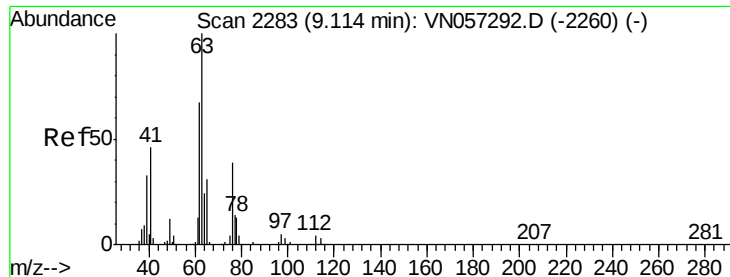


#44

Trichloroethene
 Concen: 19.837 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	189.2





#45

1,2-Dichloropropane

Concen: 19.866 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 63 Resp: 198433

Ion Ratio Lower Upper

63 100

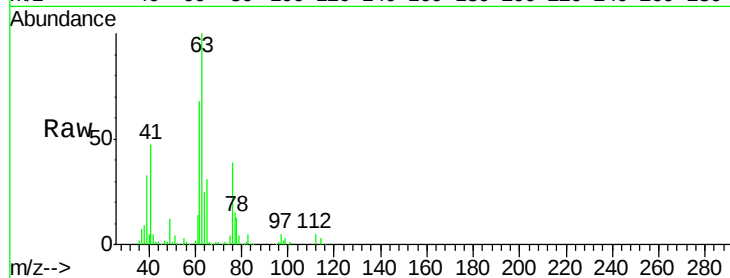
65 30.8 24.8 37.2

Manual Integrations

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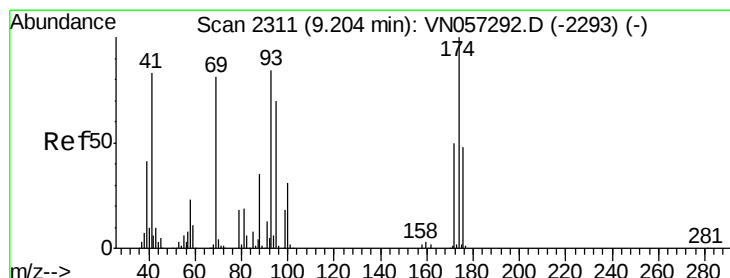
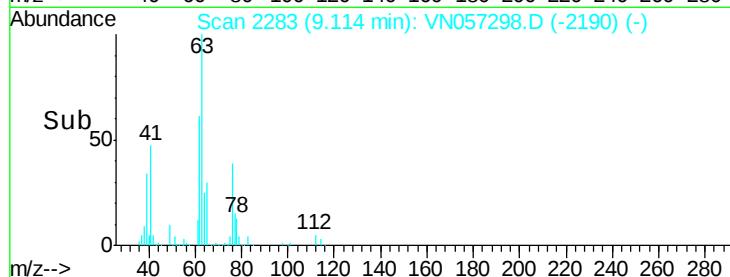
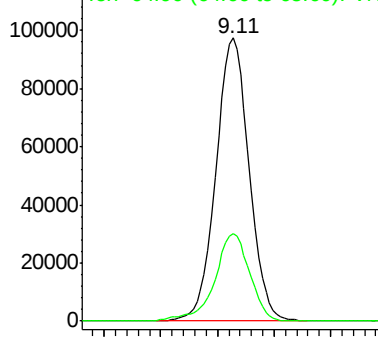
MMdadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.589 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

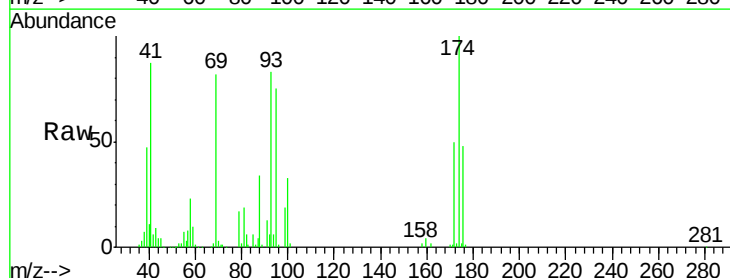
Tgt Ion: 93 Resp: 130536

Ion Ratio Lower Upper

93 100

95 85.9 66.5 99.7

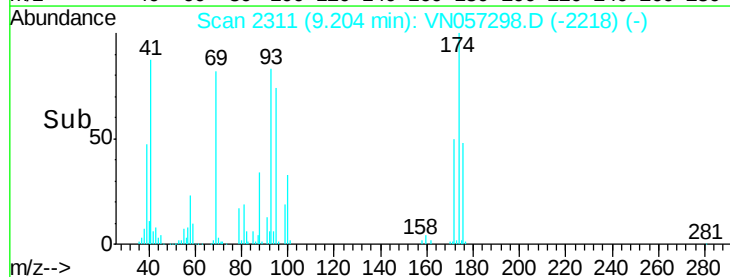
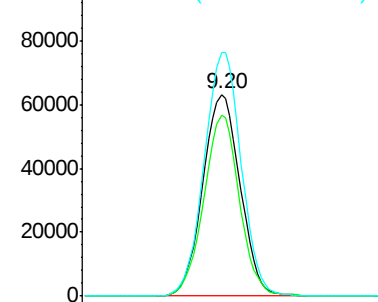
174 119.8 95.7 143.5

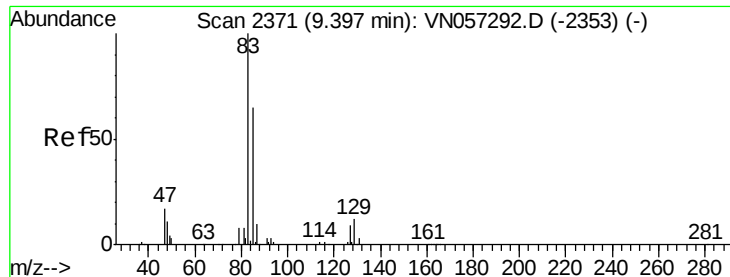


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.292 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

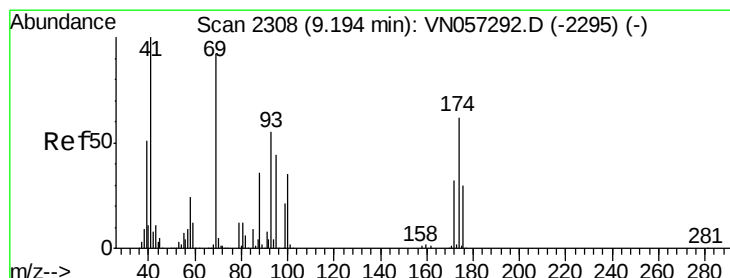
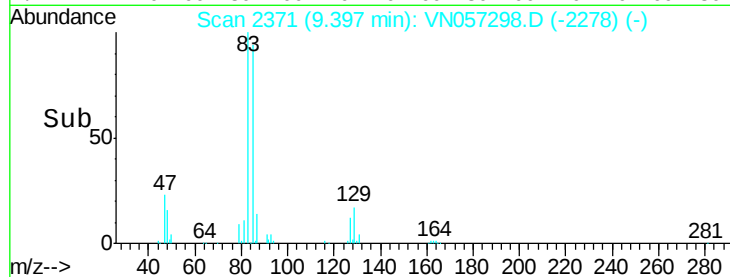
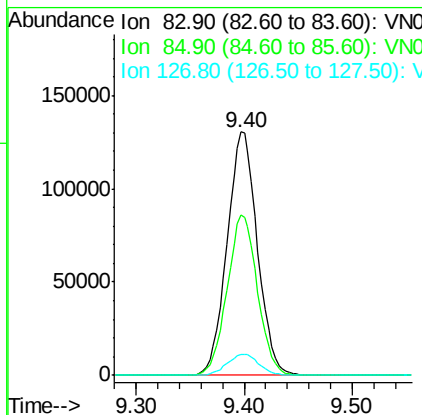
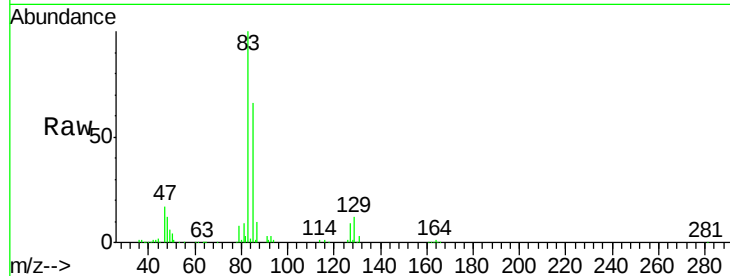
ClientSampleId :

VN0815WBSD01

Tot Ion:	83	Resp:	254708
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.9	77.9
127	8.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.378 ug/l

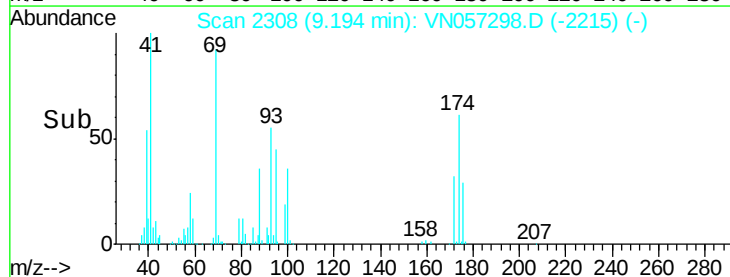
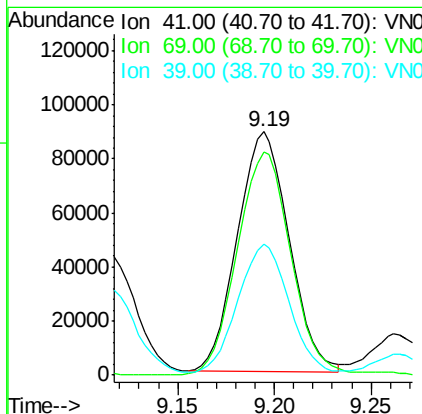
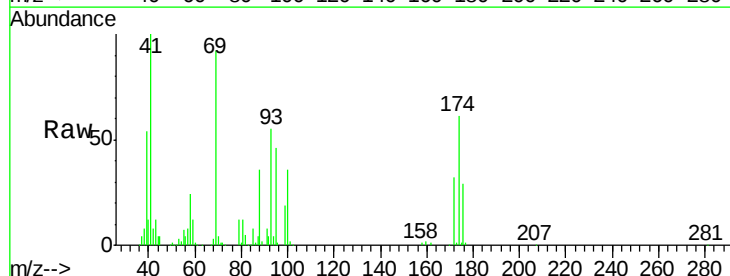
RT: 9.19 min Scan# 2308

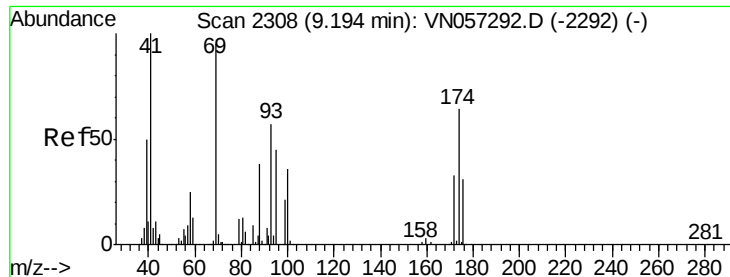
Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Tgt Ion:	41	Resp:	165594
Ion Ratio	Lower	Upper	
41	100		
69	97.2	75.9	113.9
39	54.7	42.3	63.5





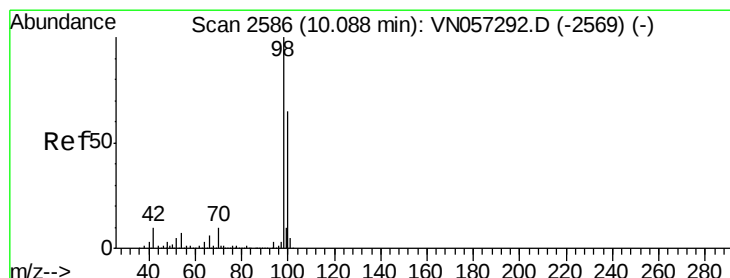
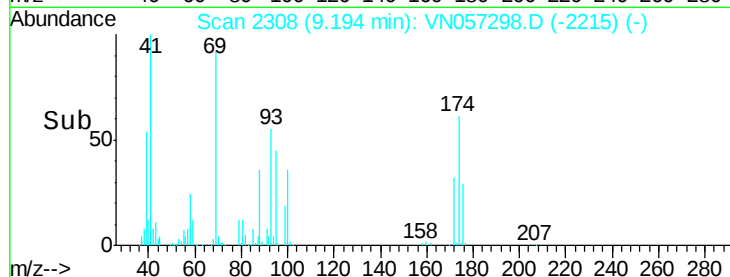
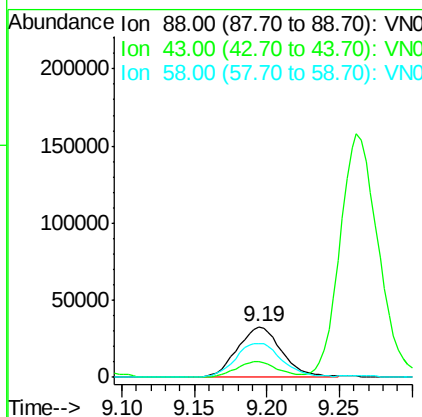
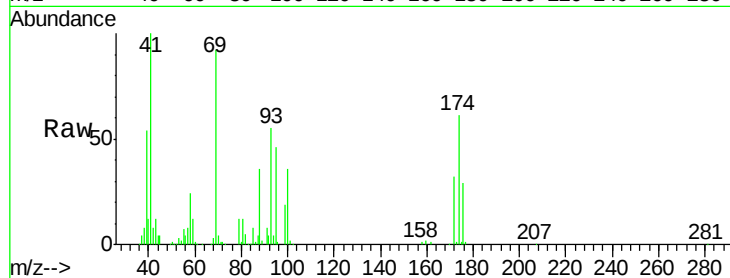
#49
1,4-Dioxane
Concen: 386.037 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	88	Resp	69372
Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.9	34.3
58	70.4	52.7	79.1

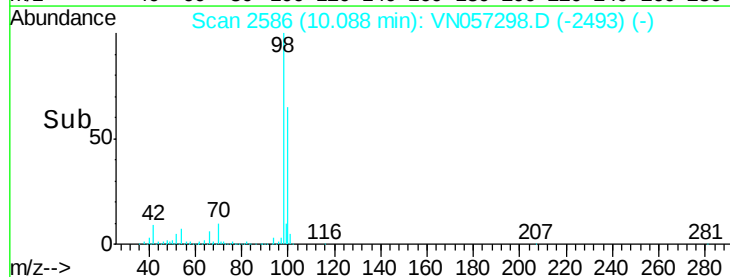
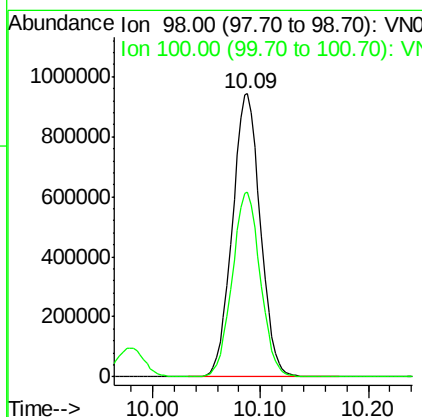
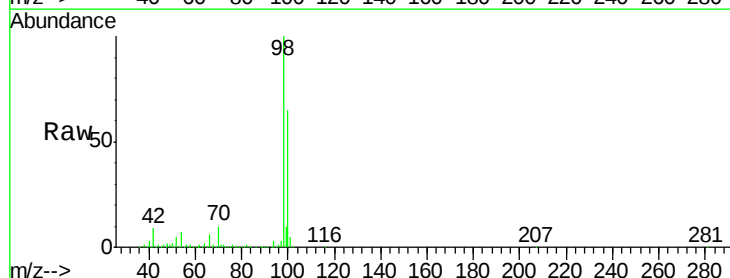
Manual Integrations
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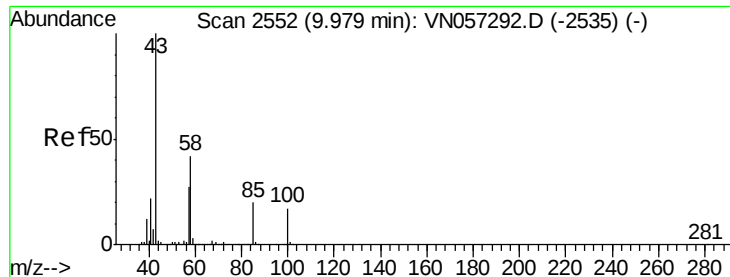
MMdadoda
8/19/2019 1:53:23 AM



#50
Toluene-d8
Concen: 49.731 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	98	Resp	1710957
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 96.952 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 43 Resp: 1037917

Ion Ratio Lower Upper

43 100

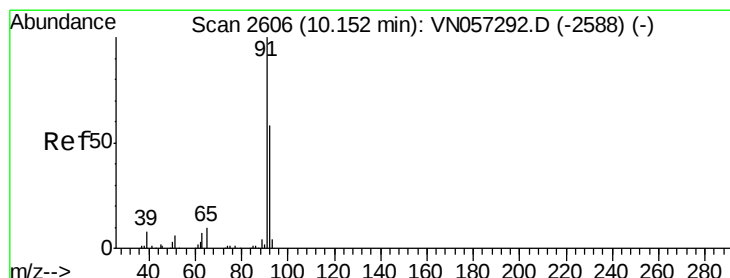
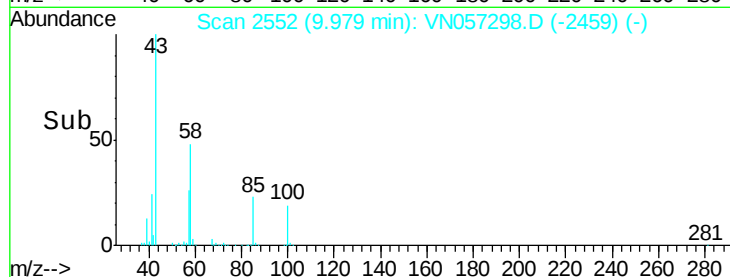
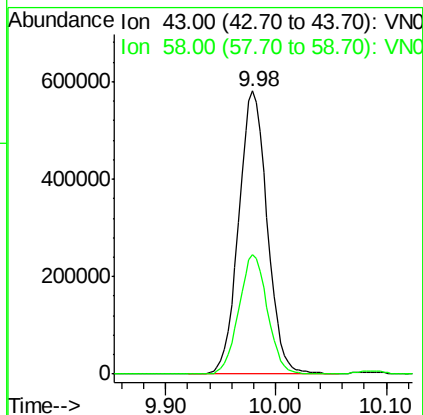
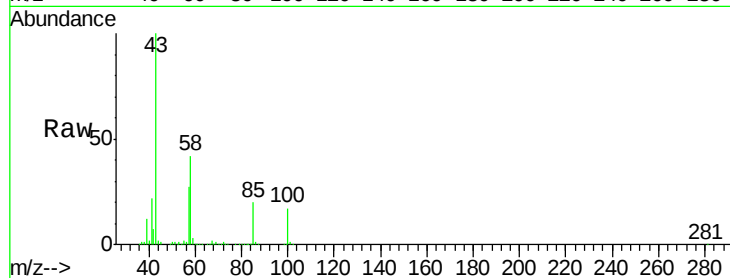
58 42.3 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 20.199 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057298.D

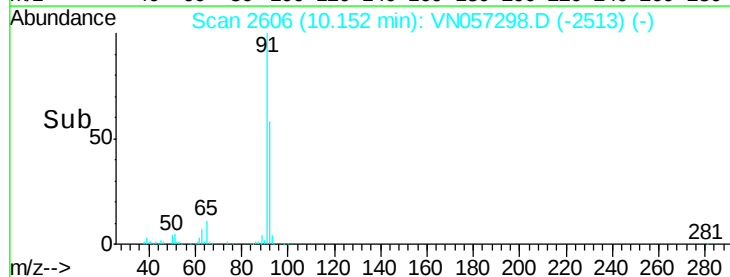
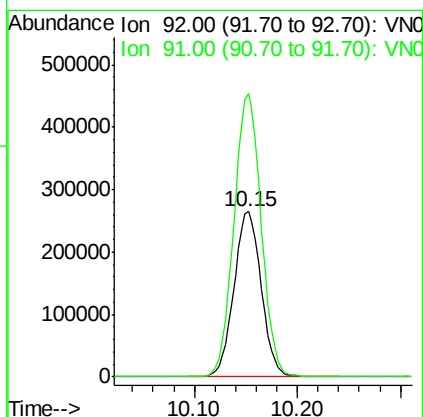
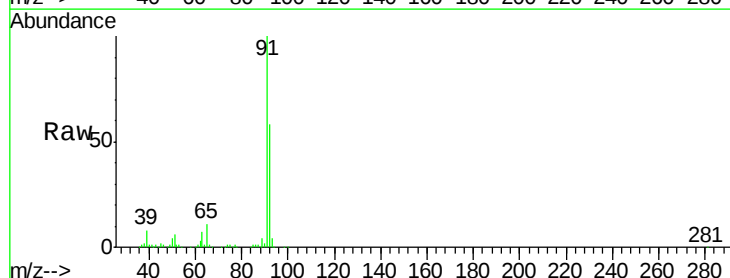
Acq: 14 Aug 2019 20:17

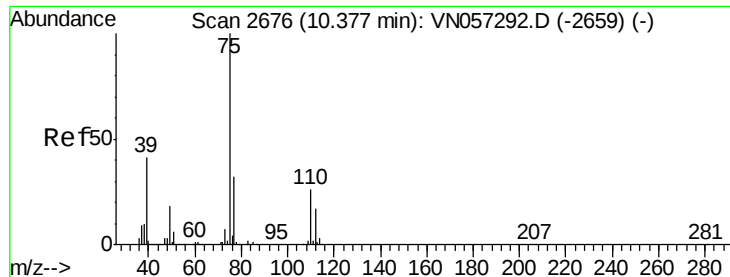
Tgt Ion: 92 Resp: 487213

Ion Ratio Lower Upper

92 100

91 171.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.326 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampled :

VN0815WBSD01

Tot Ion: 75 Resp: 275998

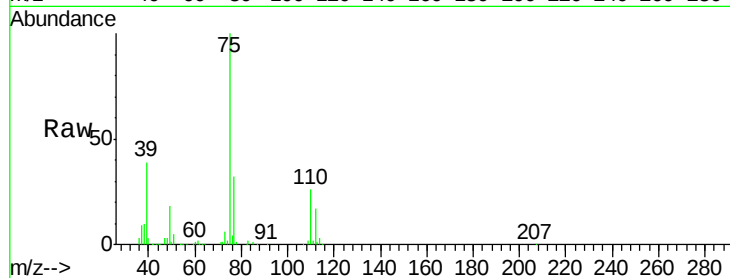
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

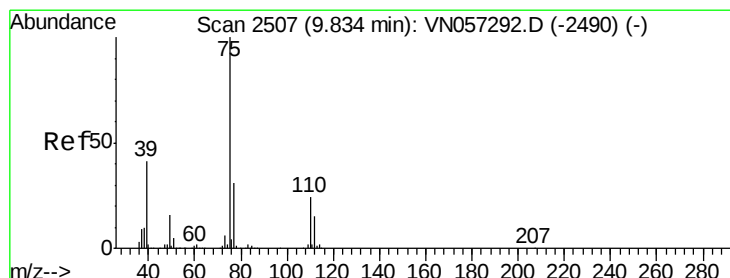
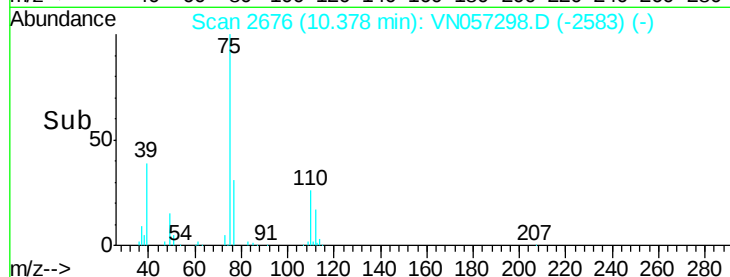
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.479 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

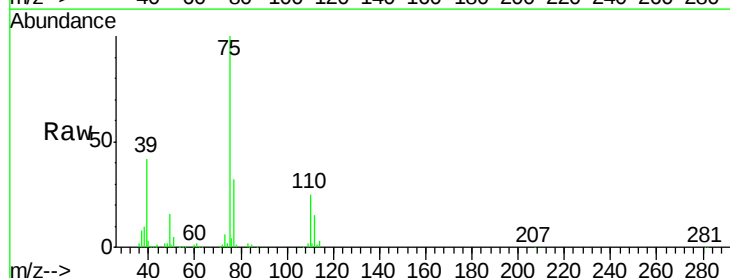
Tgt Ion: 75 Resp: 306762

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 41.8 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

200000

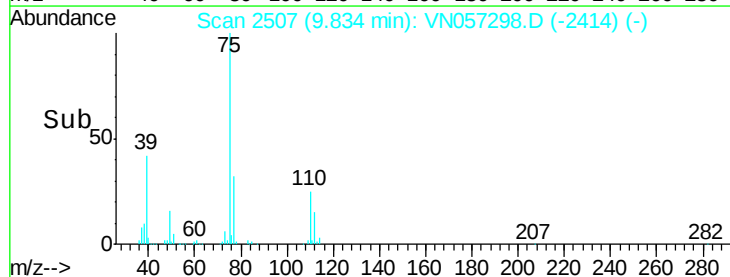
150000

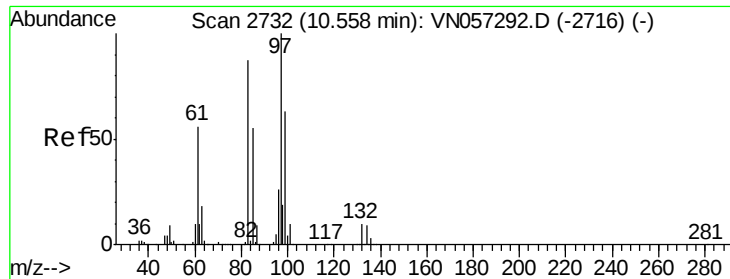
100000

50000

0

Time--> 9.80 9.90





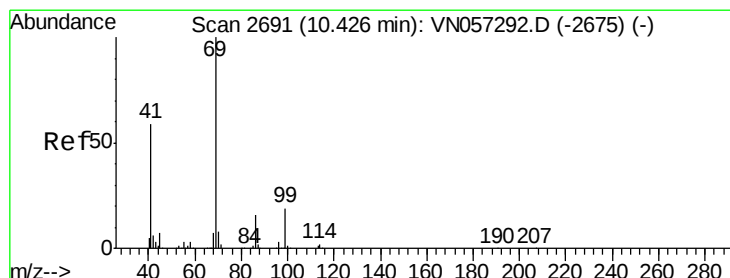
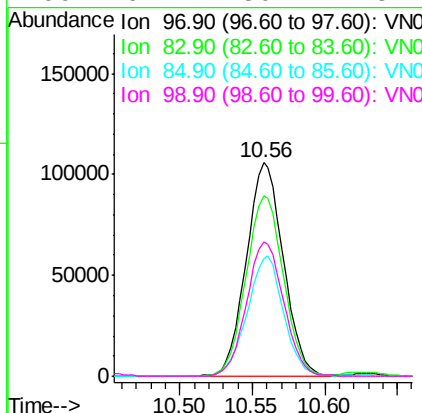
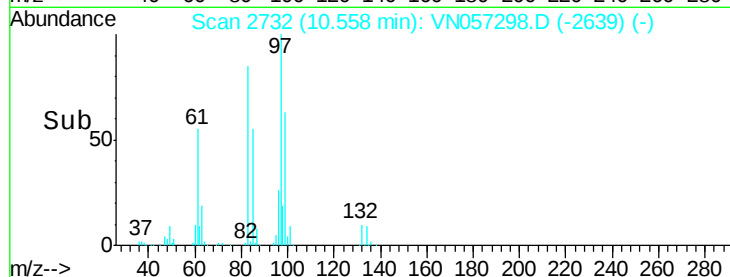
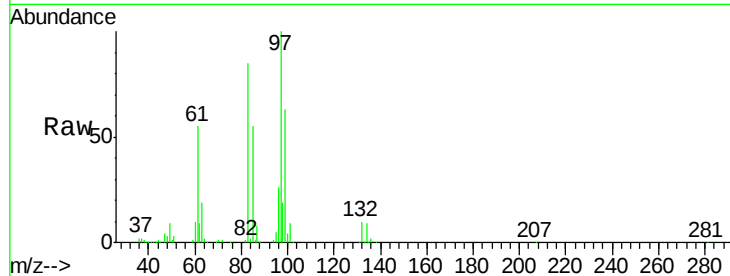
#55
 1,1,2-Trichloroethane
 Concen: 19.879 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		188541		
83	84.6	69.8	104.8		
85	55.3	44.1	66.1		
99	62.7	50.2	75.2		

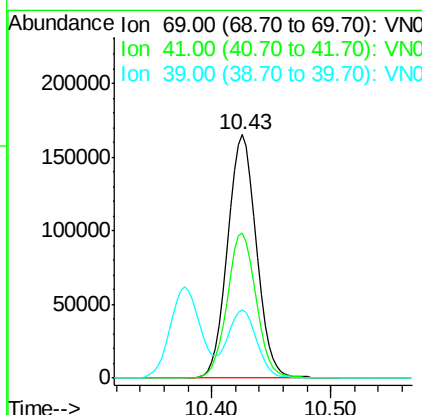
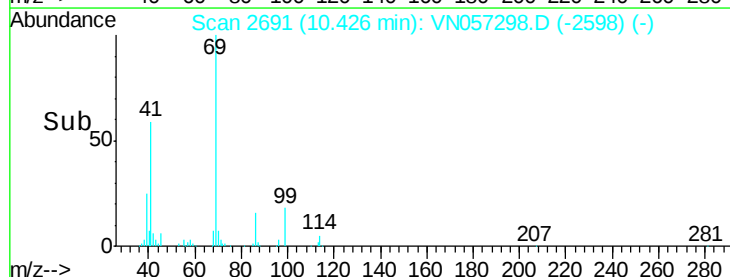
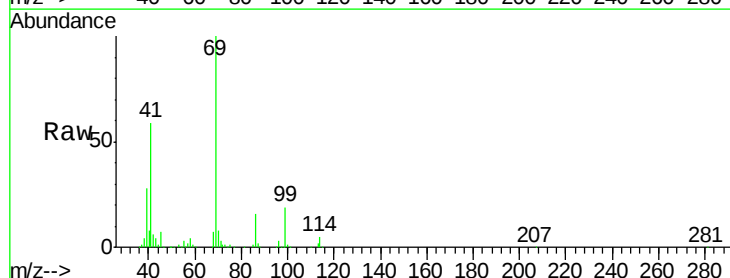
Manual Integrations
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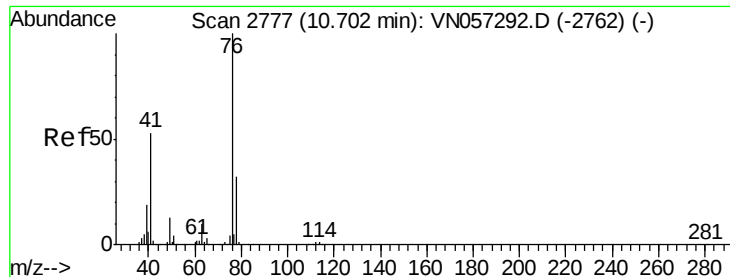
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#56
 Ethyl methacrylate
 Concen: 20.044 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		277437		
41	59.5	48.2	72.2		
39	28.2	23.4	35.0		





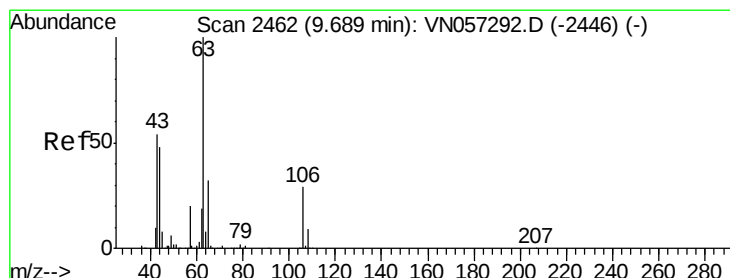
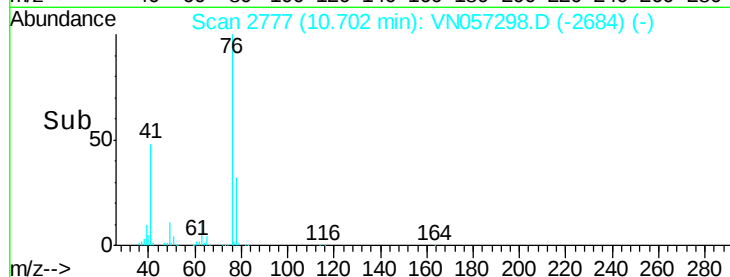
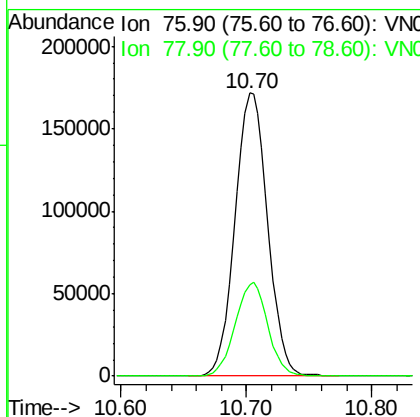
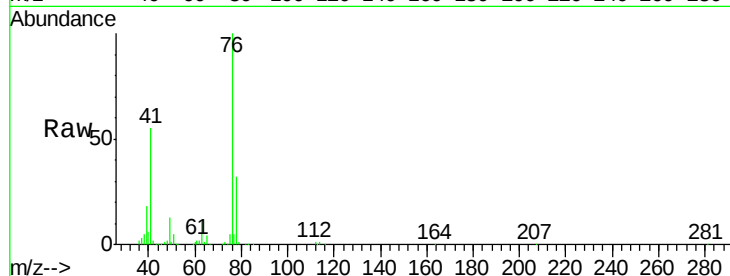
#57
 1,3-Dichloropropane
 Concen: 19.554 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.6	38.4

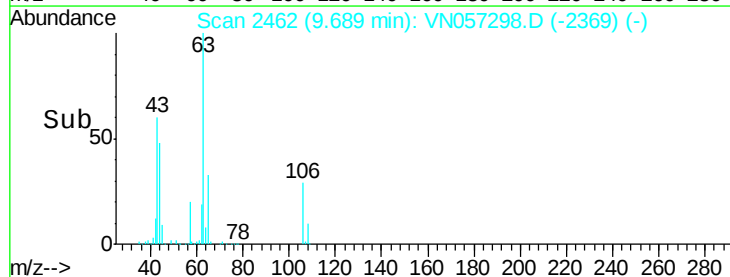
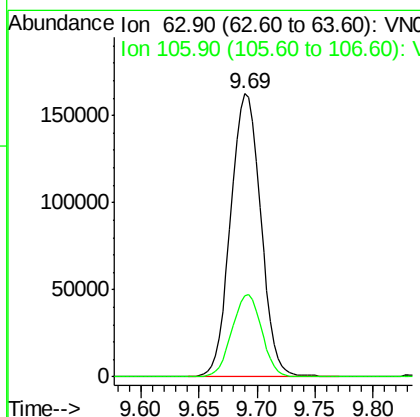
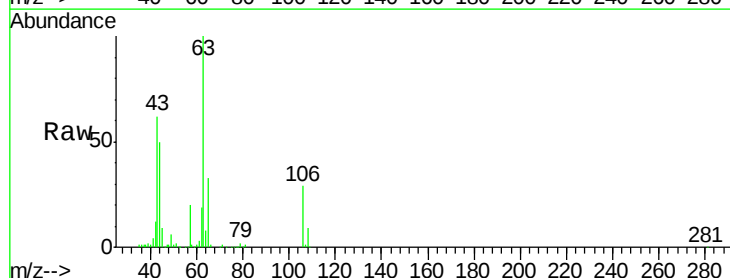
Manual Integrations
 APPROVED

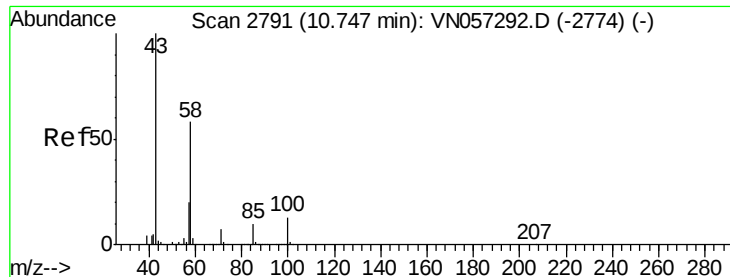
MMdadoda
 8/19/2019 1:53:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.443 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.2	34.8





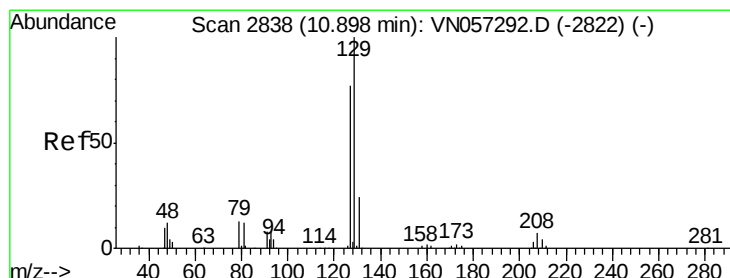
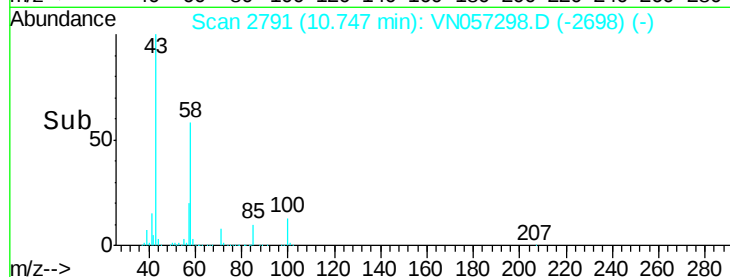
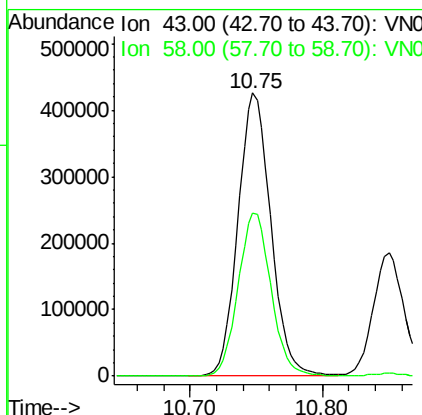
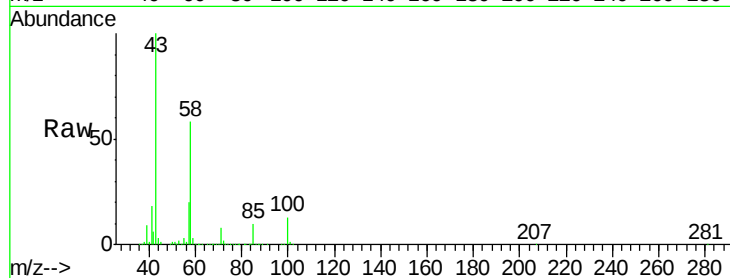
#59
2-Hexanone
Concen: 95.291 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	43	Resp	733400
Ion Ratio	Lower	Upper	
43	100		
58	57.7	28.6	85.9

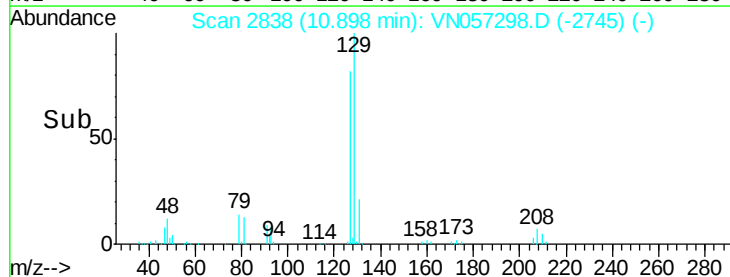
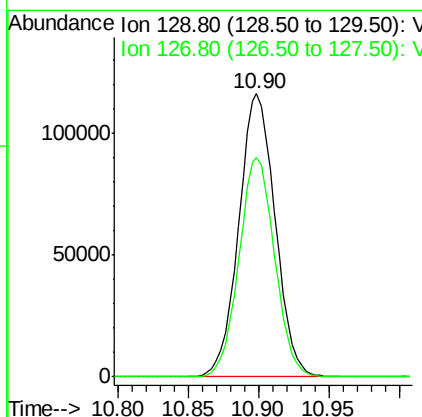
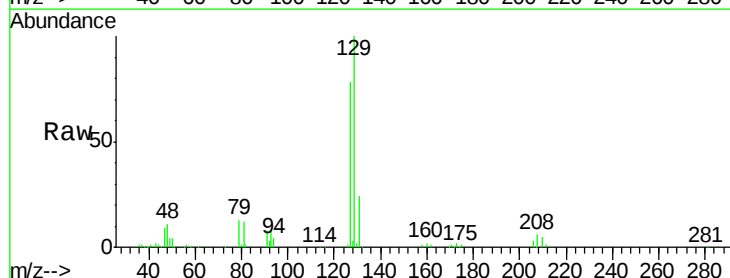
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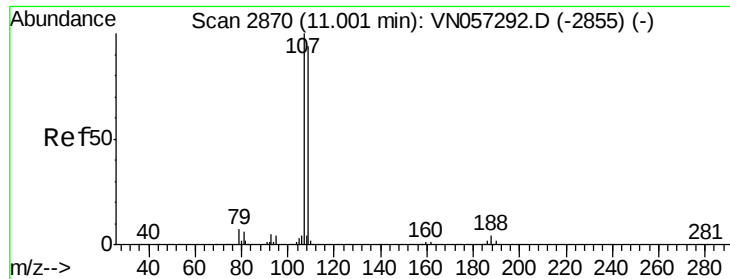
MMdadoda
8/19/2019 1:53:23 AM



#60
Dibromochloromethane
Concen: 19.727 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	129	Resp	209678
Ion Ratio	Lower	Upper	
129	100		
127	76.1	39.0	116.9





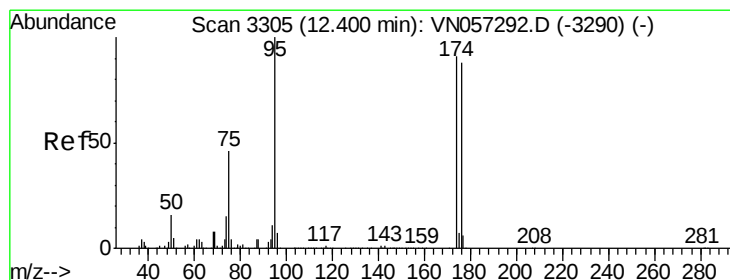
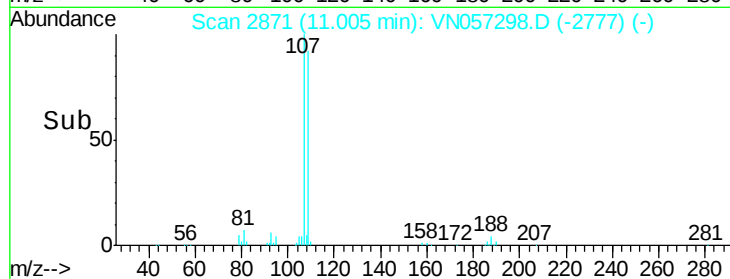
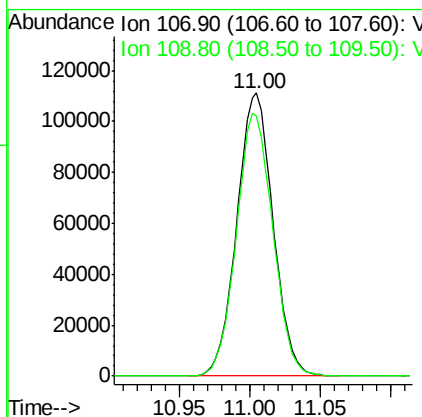
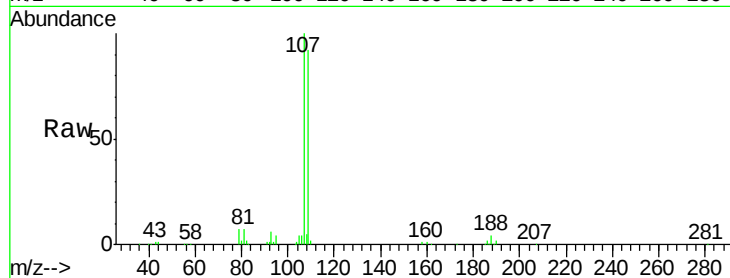
#61
 1,2-Dibromoethane
 Concen: 19.820 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.7	113.5

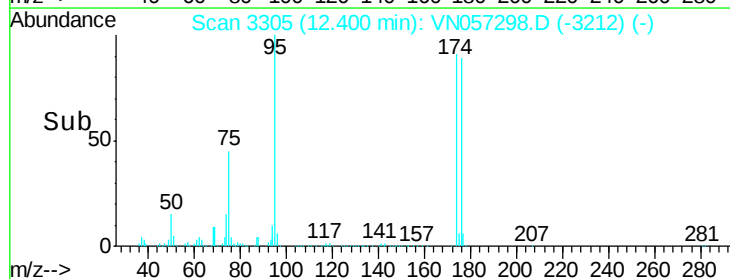
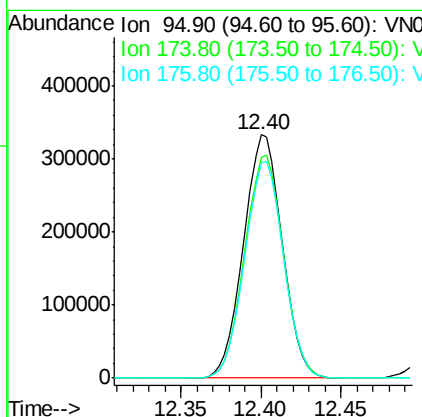
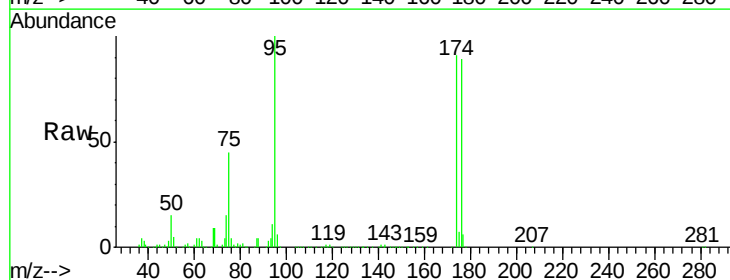
Manual Integrations
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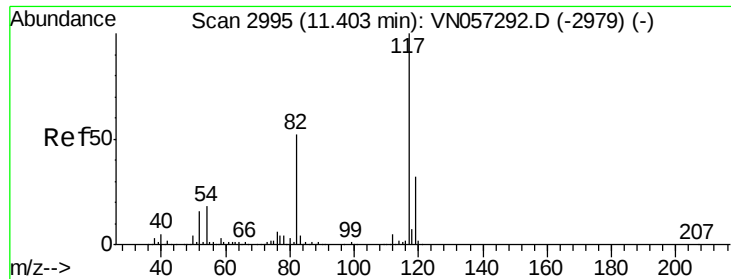
MMDadoda
 8/19/2019 1:53:23 AM



#62
 4-Bromofluorobenzene
 Concen: 45.202 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	185.0
176	89.6	0.0	181.0





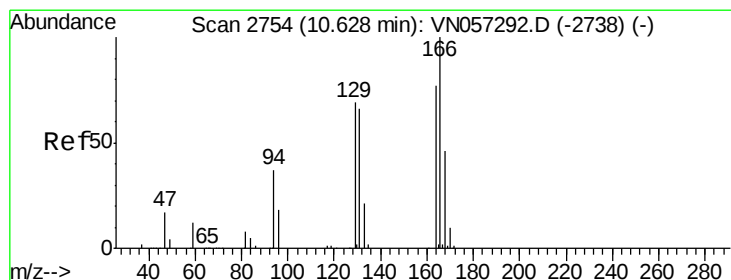
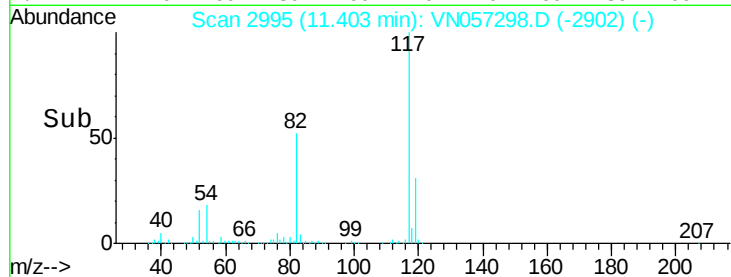
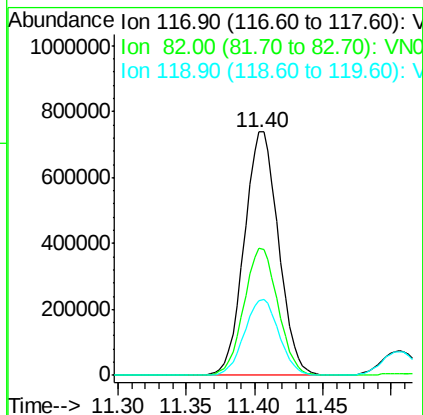
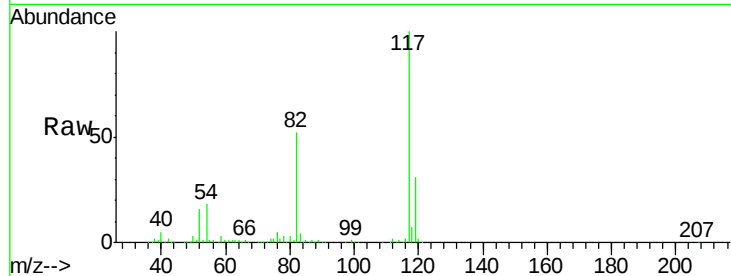
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampled :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.2	61.8
119	30.8	25.8	38.8

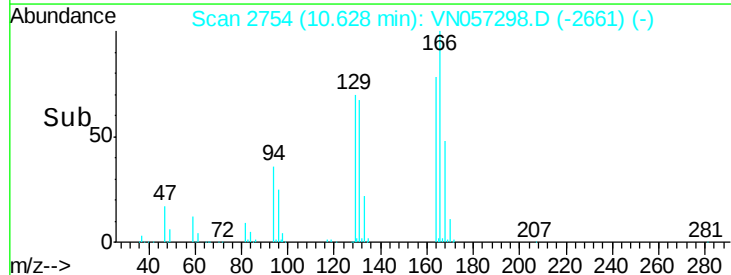
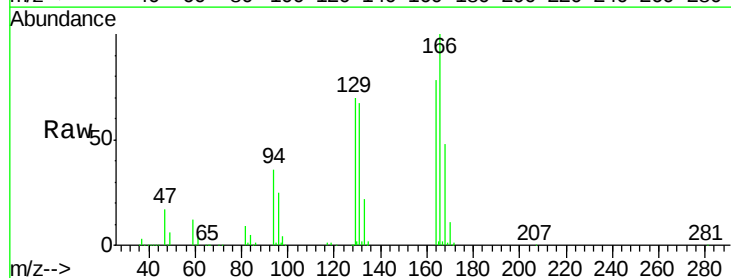
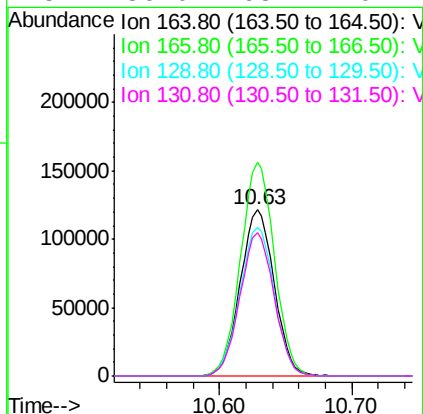
Manual Integrations
APPROVED

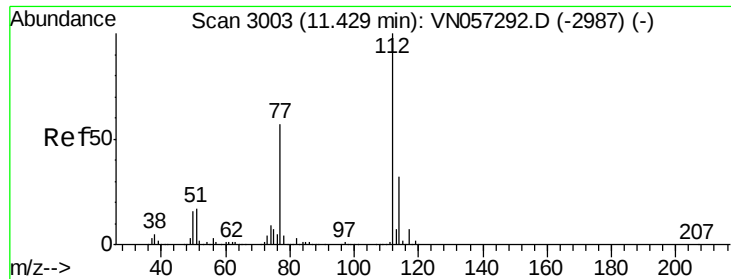
MMDadoda
8/19/2019 1:53:23 AM



#64
Tetrachloroethene
Concen: 19.566 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.5	155.3
129	89.4	71.2	106.8
131	86.0	68.2	102.4





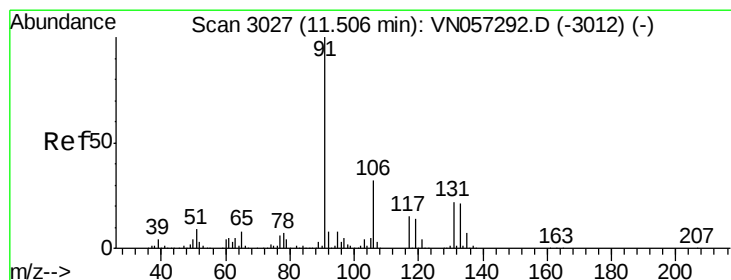
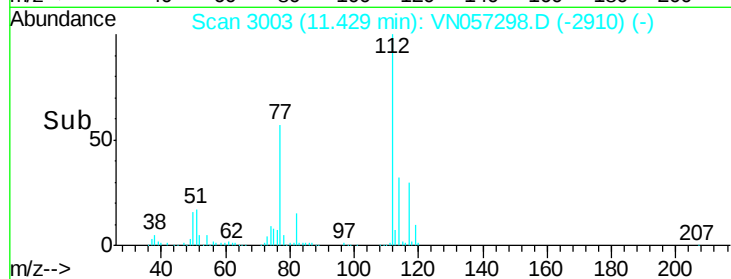
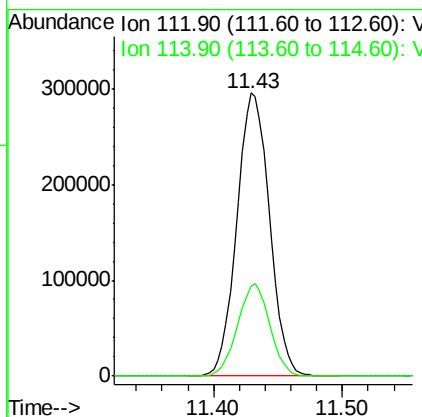
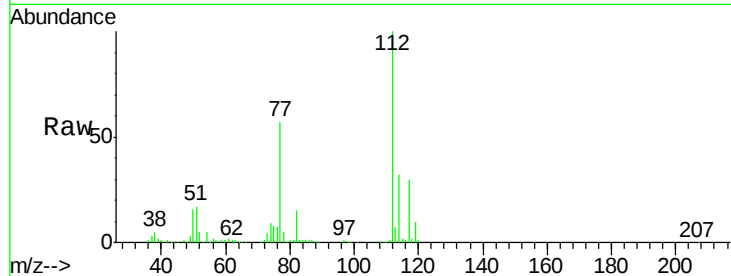
#65
Chlorobenzene
Concen: 19.875 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.7	38.5

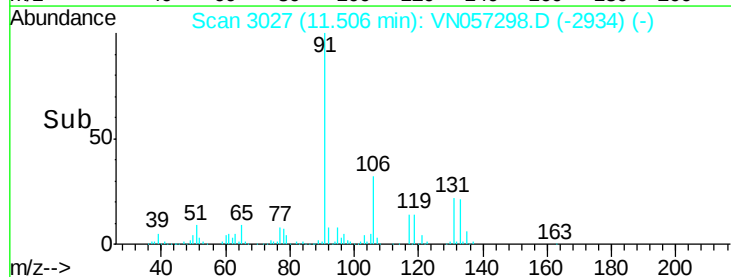
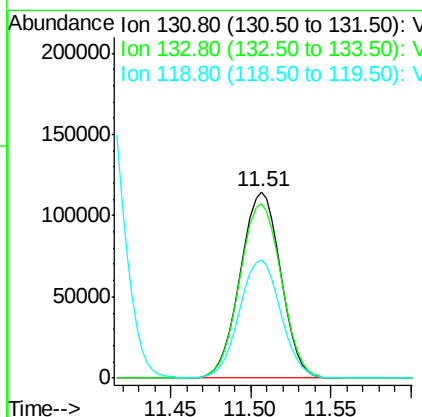
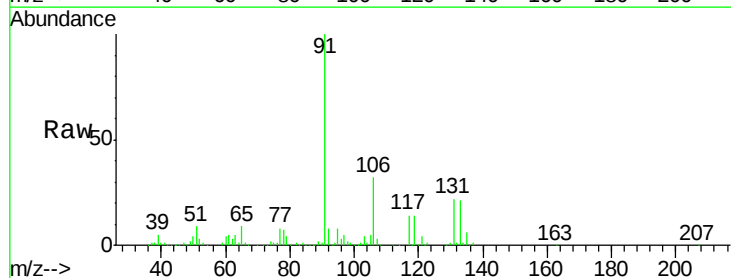
Manual Integrations
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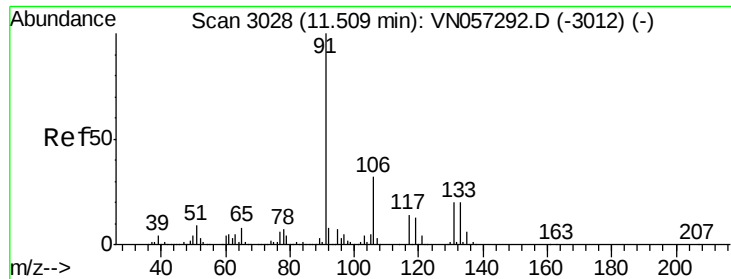
MMdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.722 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.6	142.8
119	65.0	32.0	96.2





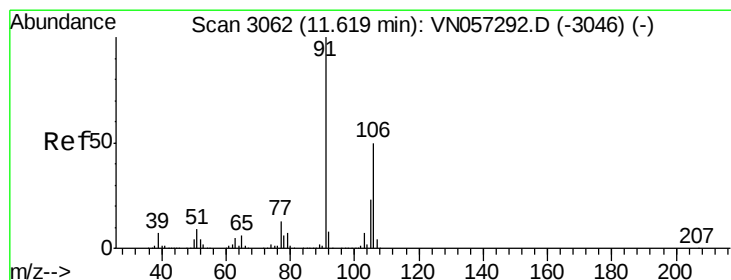
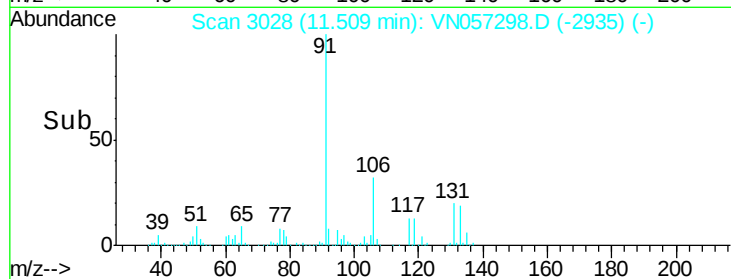
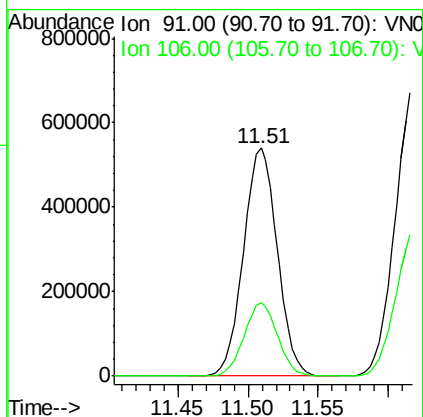
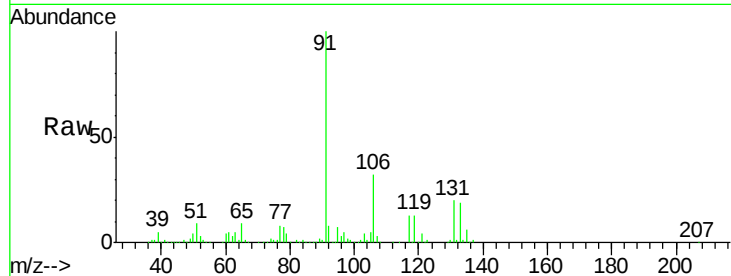
#67
Ethyl Benzene
Concen: 19.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion: 91 Resp: 908440
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3

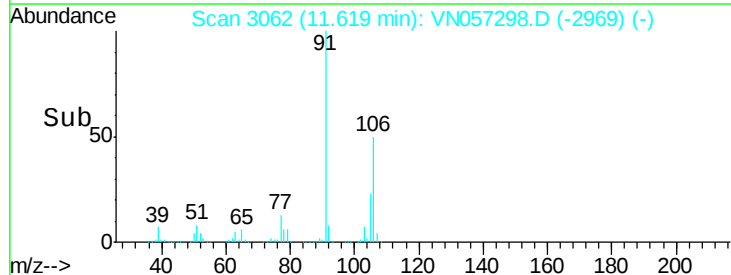
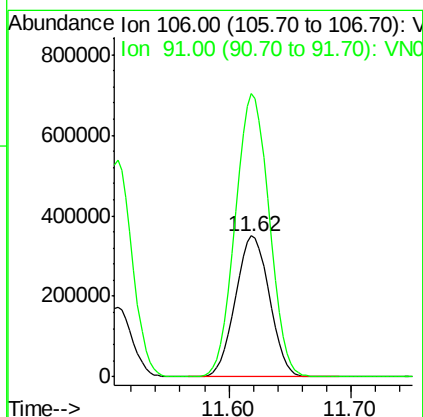
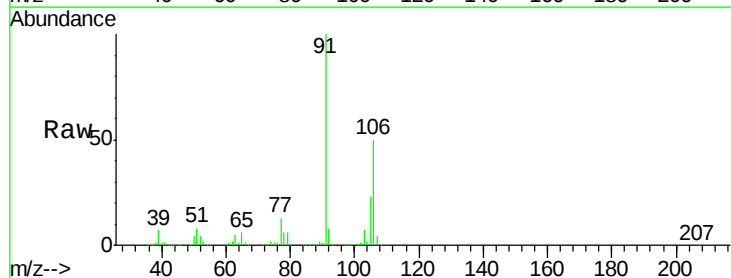
Manual Integrations
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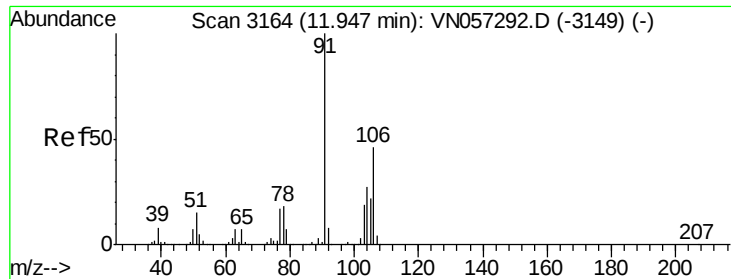
MMDadoda
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#68
m/p-Xylenes
Concen: 40.004 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion: 106 Resp: 674912
Ion Ratio Lower Upper
106 100
91 199.9 161.5 242.3





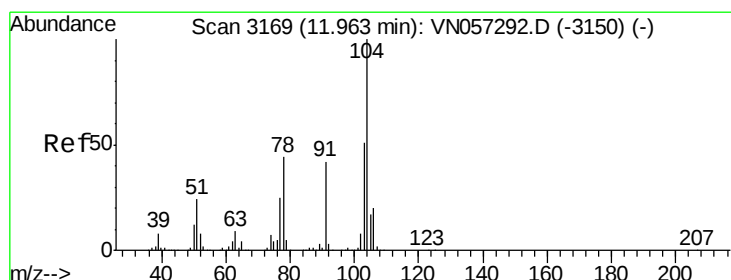
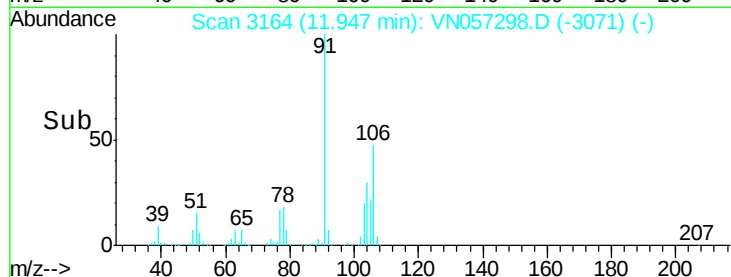
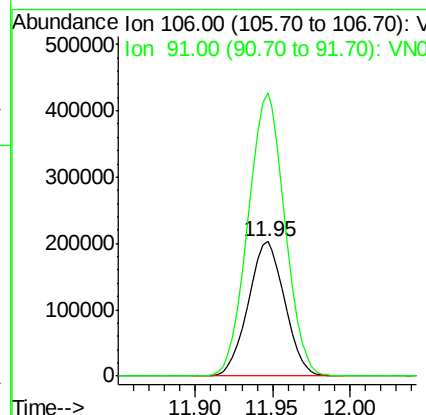
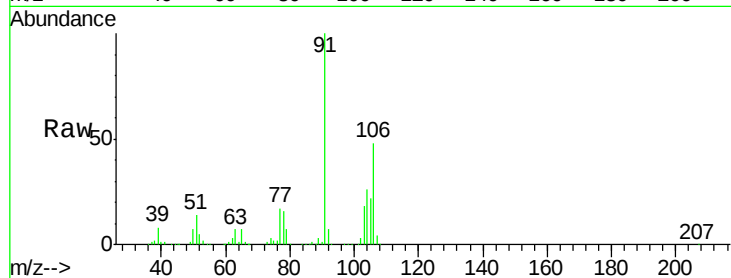
#69
o-Xylene
Concen: 20.162 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	106.3	319.0

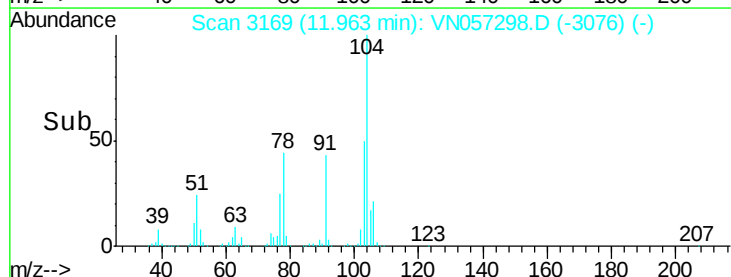
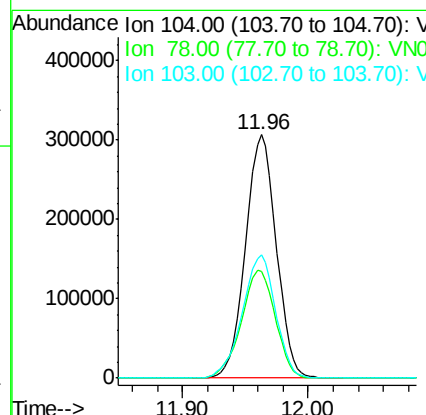
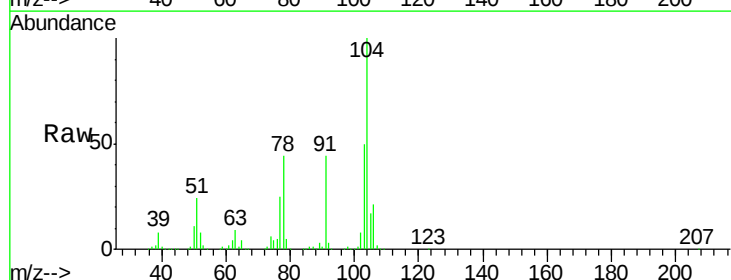
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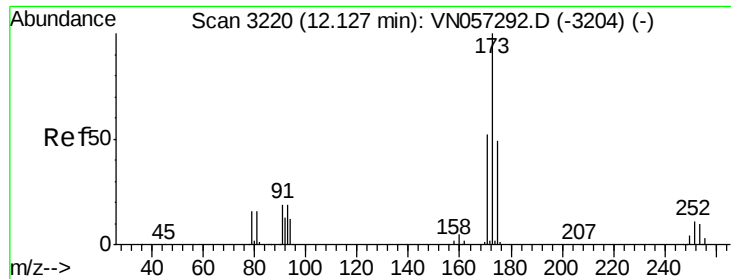
MMdadoda
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#70
Styrene
Concen: 19.754 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.2	58.8
103	54.8	44.6	66.8





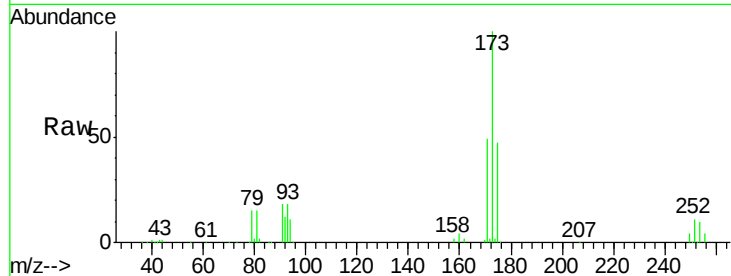
#71
Bromoform
Concen: 19.608 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

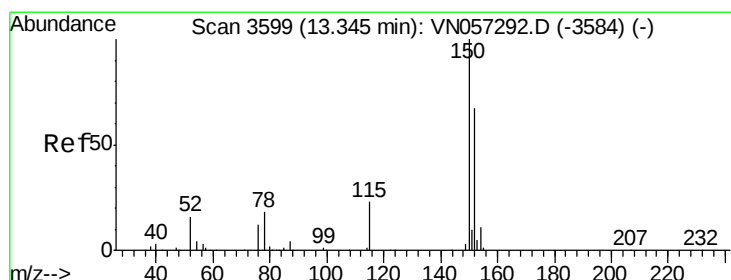
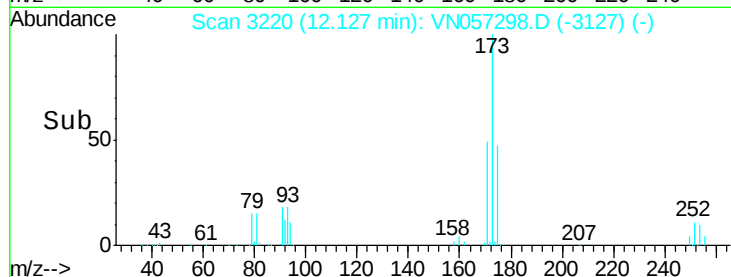
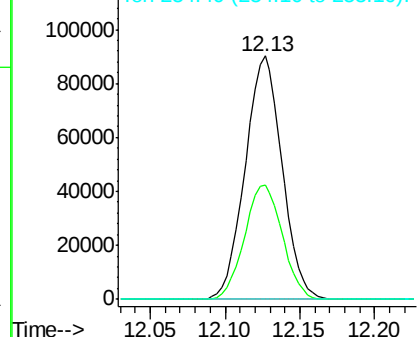
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.2	0.2

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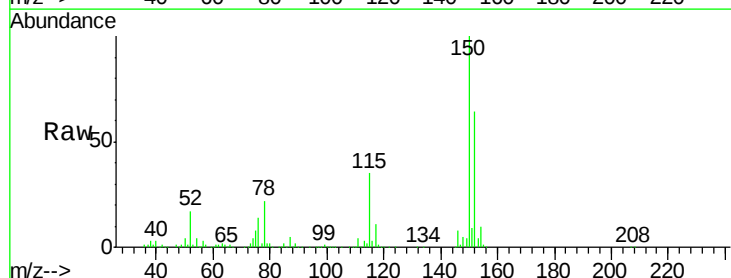


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

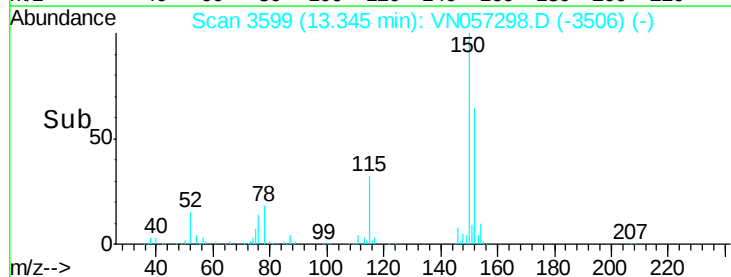
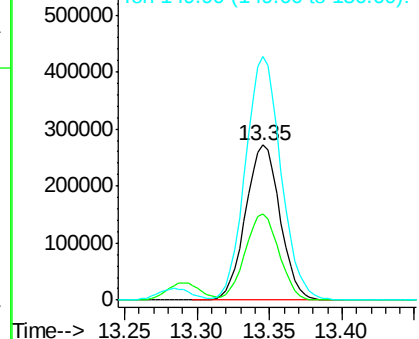


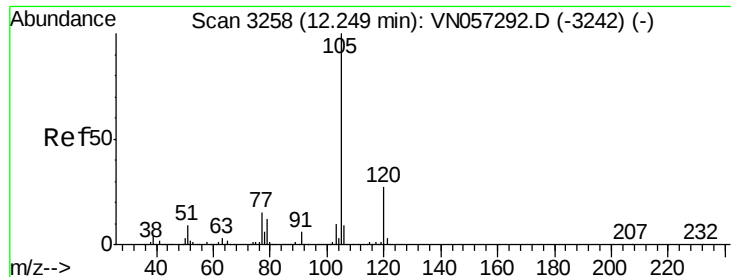
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.3	81.9
150	161.4	0.0	344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.032 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion:105 Resp: 890121

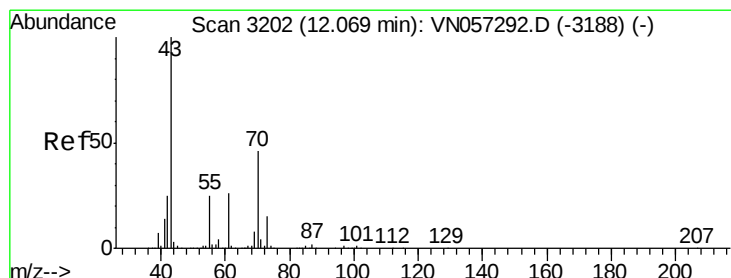
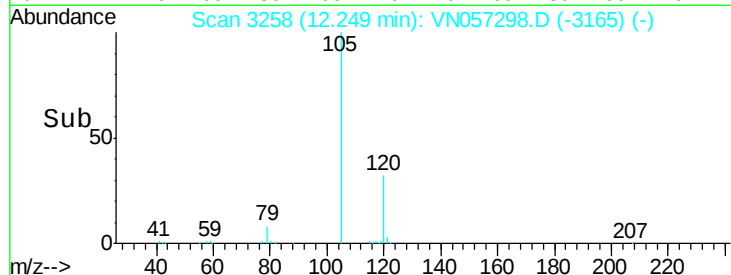
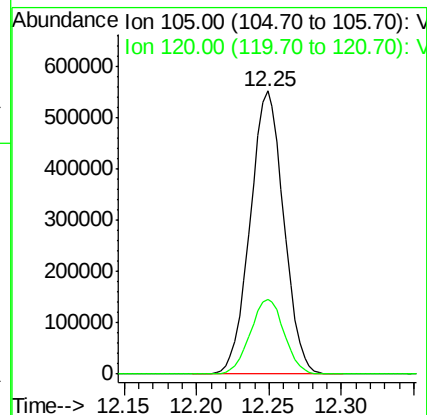
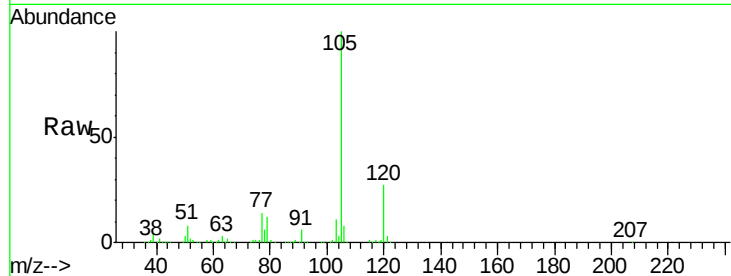
Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.334 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Tgt Ion: 43 Resp: 265677

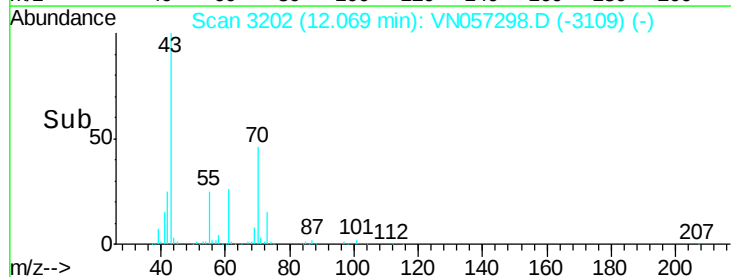
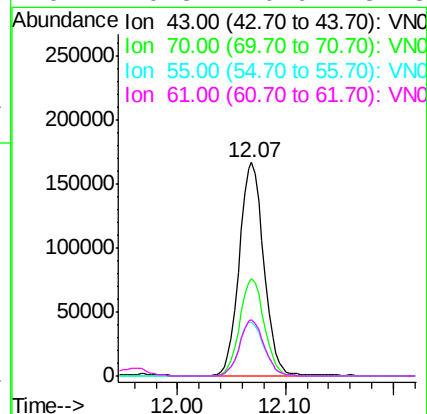
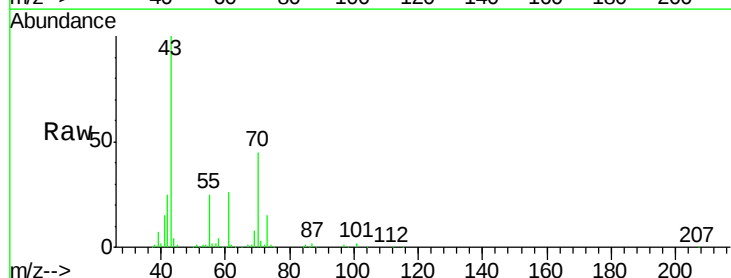
Ion Ratio Lower Upper

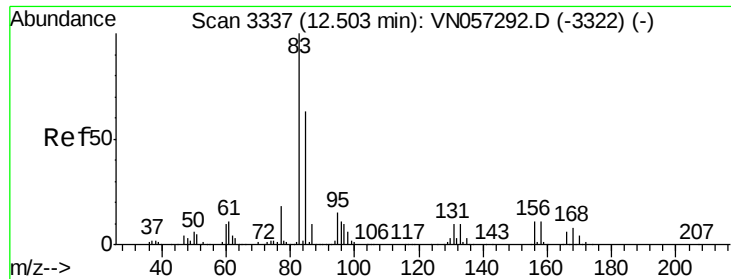
43 100

70 45.5 36.2 54.2

55 25.9 20.1 30.1

61 26.3 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.035 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

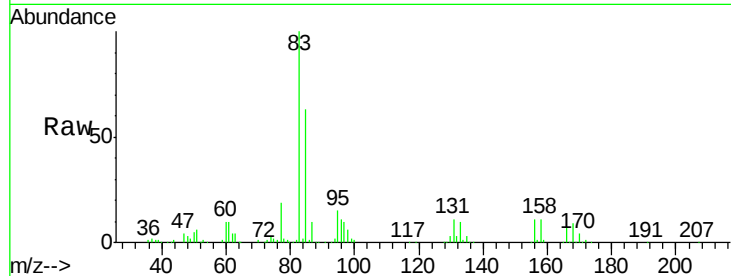
ClientSampleId :

VN0815WBSD01

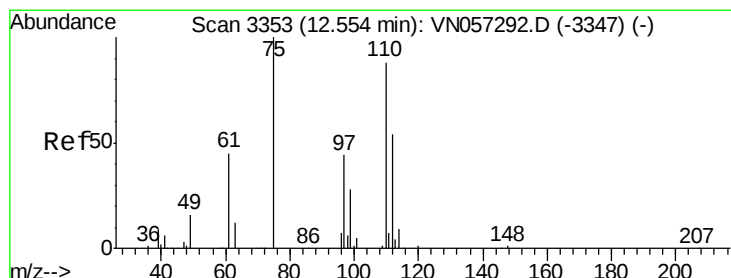
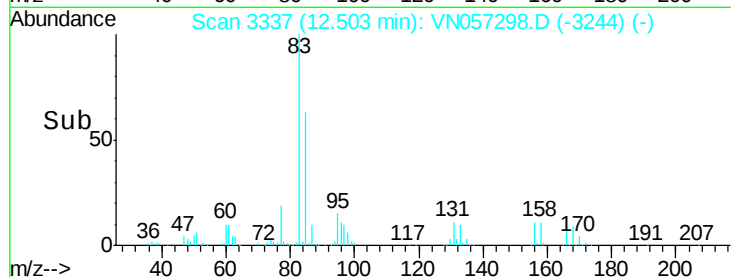
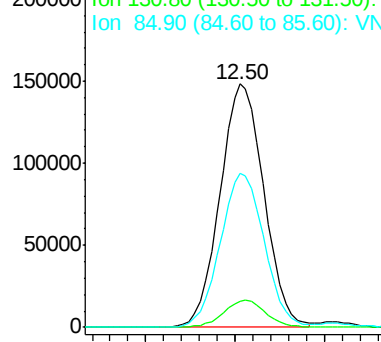
Tot Ion:	83	Resp:	254692
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.5	32.3	96.9

Manual Integrations
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8/19/2019 1:53:23 AM



Abundance Ion 82.90 (82.60 to 83.60): VN057298.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 22.411 ug/l m

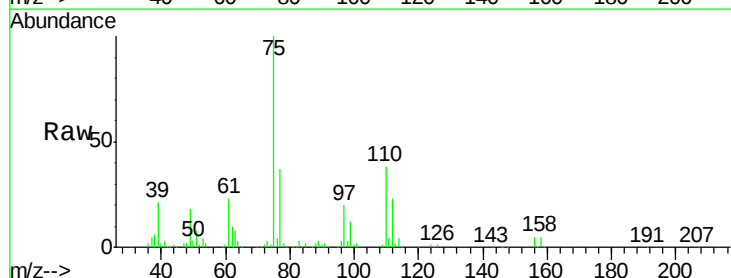
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

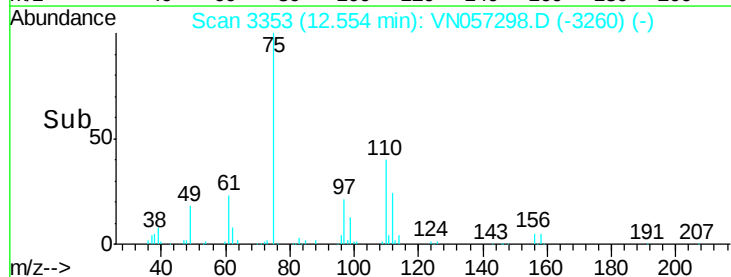
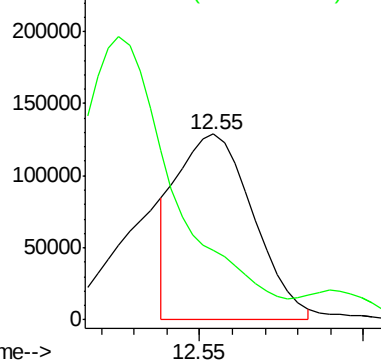
Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Tgt Ion:	75	Resp:	207794
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057298.D (-3353) (-)





#77

Bromobenzene

Concen: 22.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

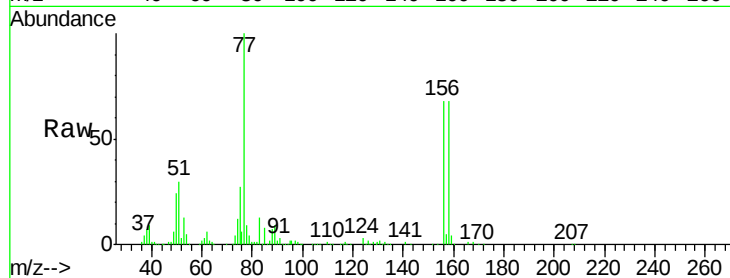
ClientSampleId :

VN0815WBSD01

Tot Ion:	156	Resp:	229973
Ion Ratio	Lower	Upper	
156	100		
77	178.0	89.8	269.6
158	98.6	49.3	147.8

Manual Integrations
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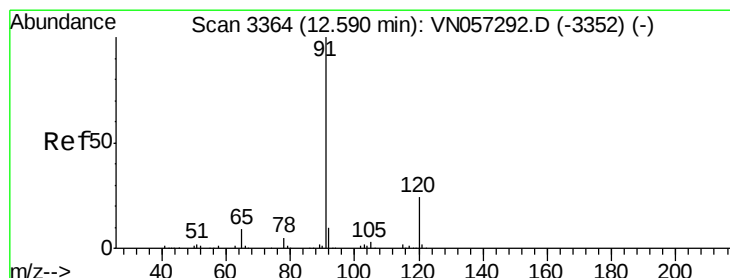
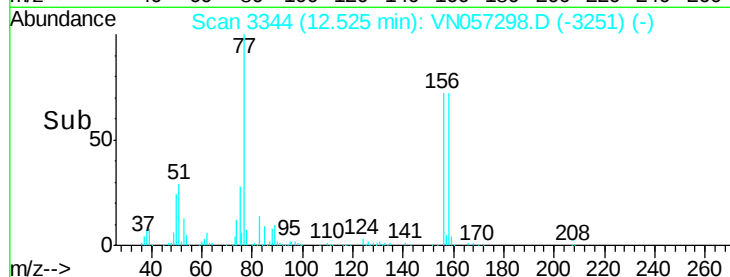
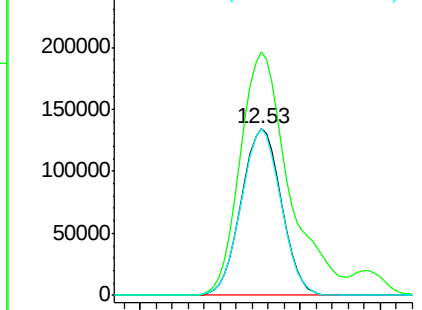
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.171 ug/l

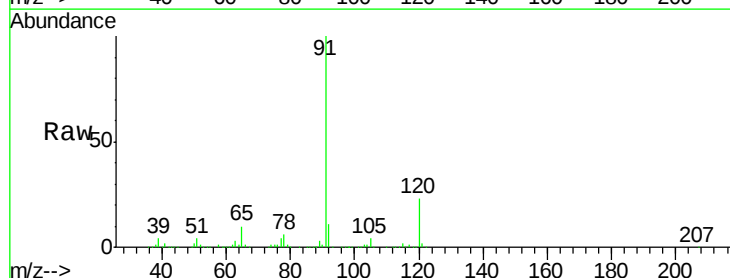
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057298.D

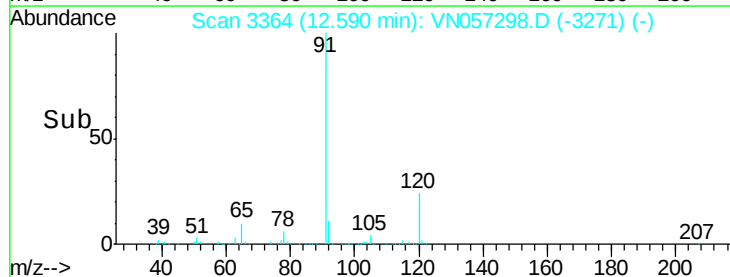
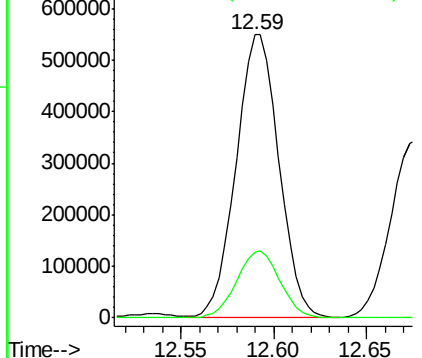
Acq: 14 Aug 2019 20:17

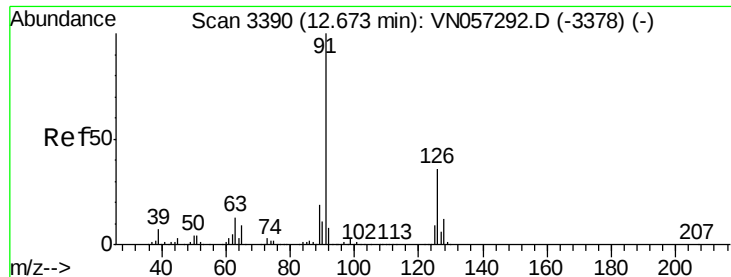
Tgt Ion:	91	Resp:	874588
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.491 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 91 Resp: 563950

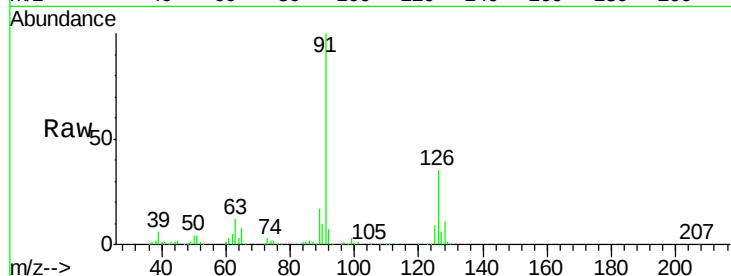
Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.1

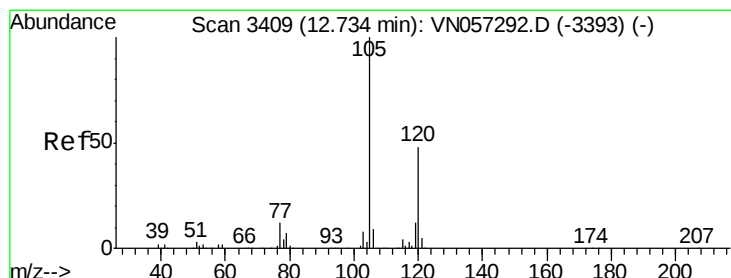
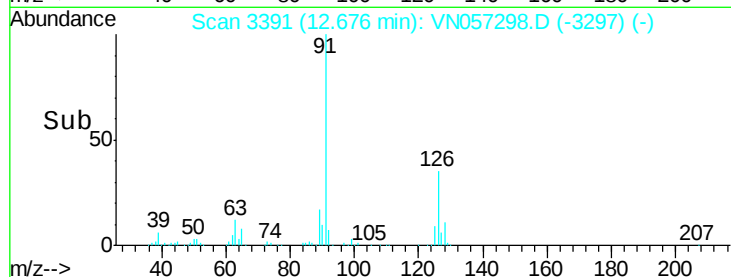
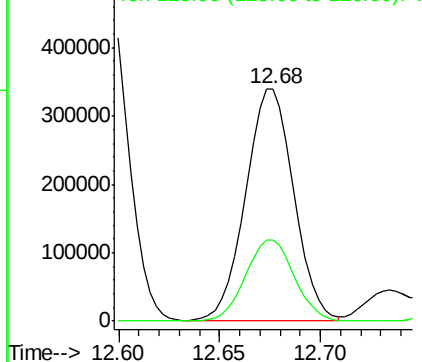
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Abundance Ion 91.00 (90.70 to 91.70): VN057298.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN057298.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.536 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057298.D

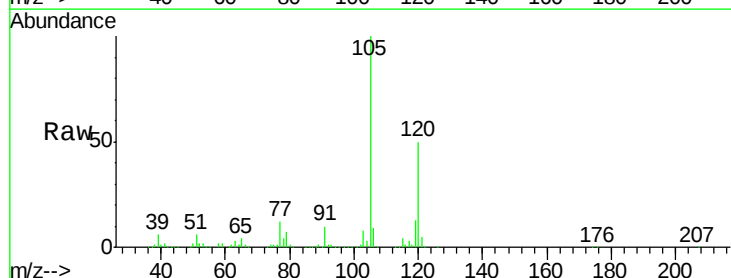
Acq: 14 Aug 2019 20:17

Tgt Ion: 105 Resp: 721283

Ion Ratio Lower Upper

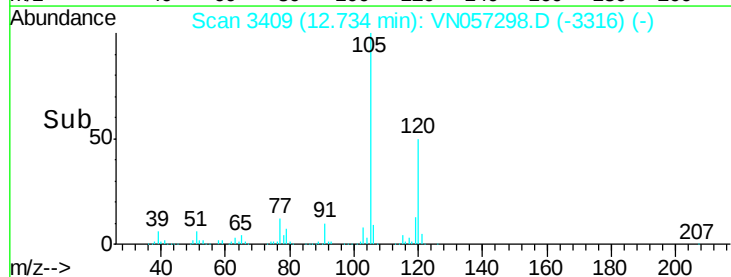
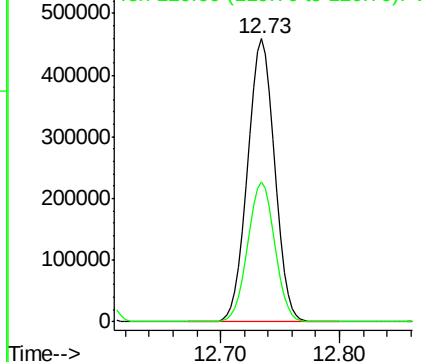
105 100

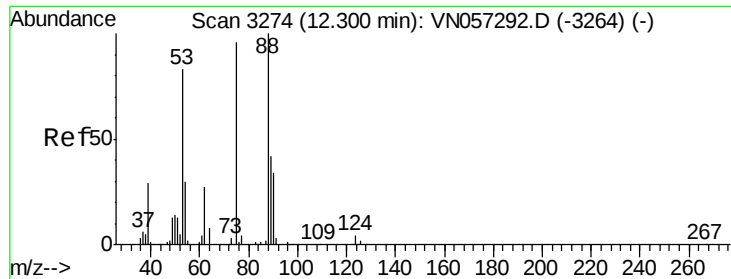
120 49.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057298.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057298.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.552 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 75 Resp: 72198

Ion Ratio Lower Upper

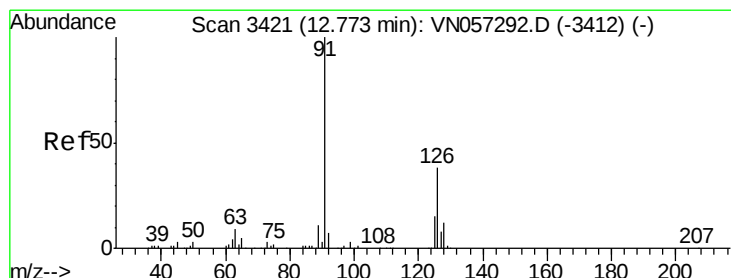
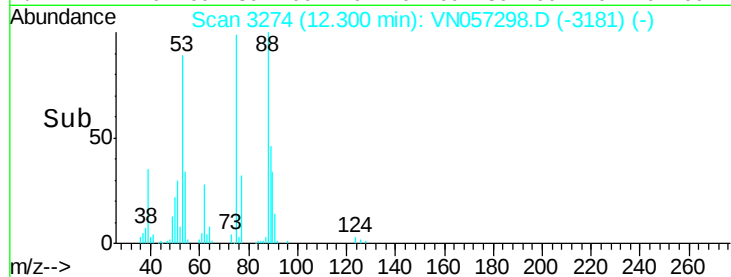
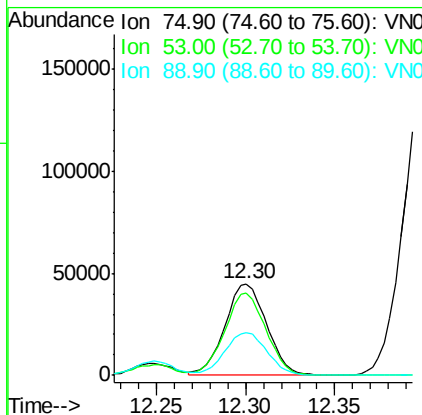
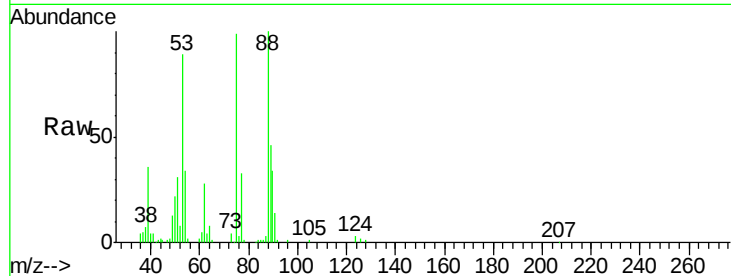
75 100

53 88.9 67.9 101.9

89 47.7 36.2 54.4

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#82

4-Chlorotoluene

Concen: 19.671 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057298.D

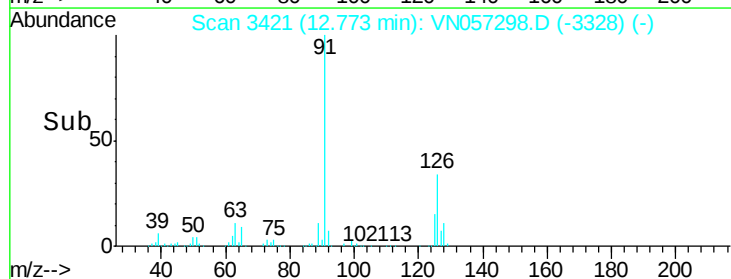
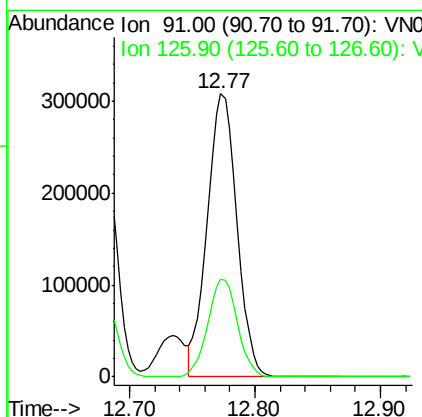
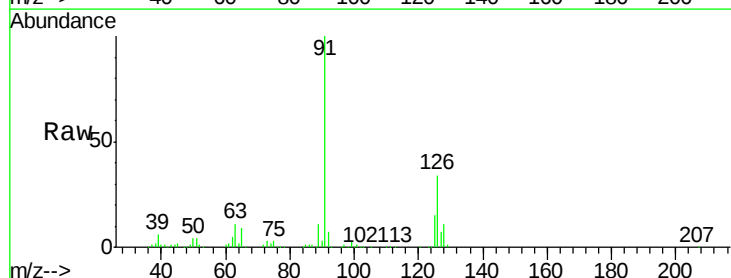
Acq: 14 Aug 2019 20:17

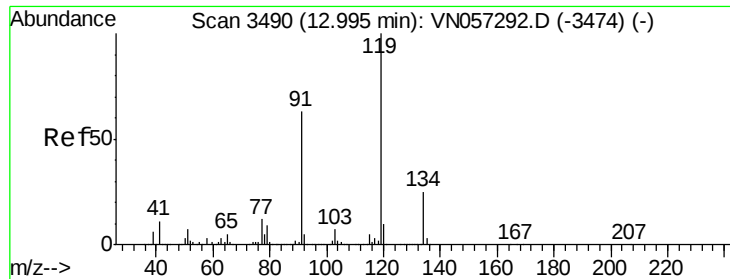
Tgt Ion: 91 Resp: 505430

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7





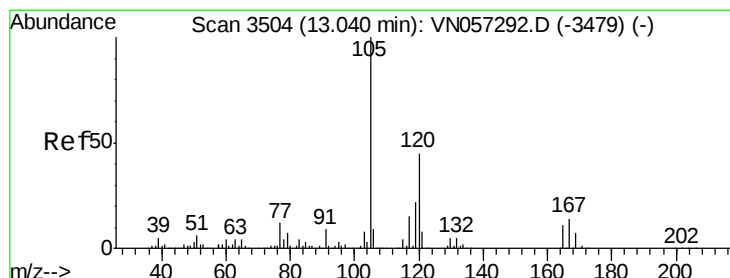
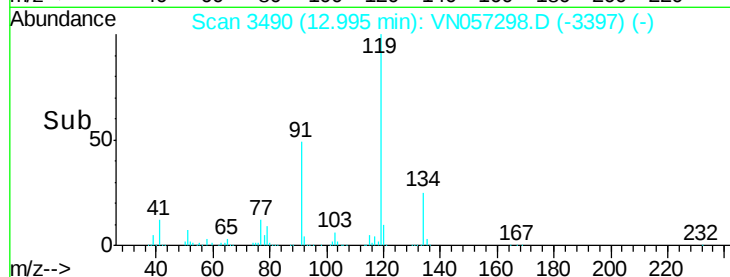
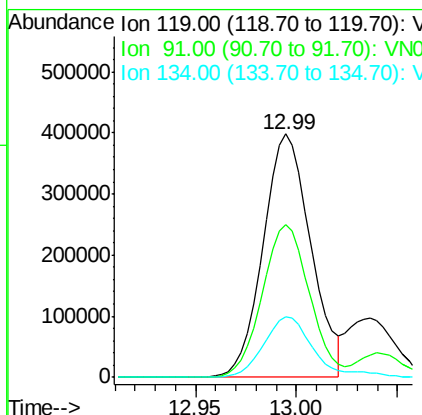
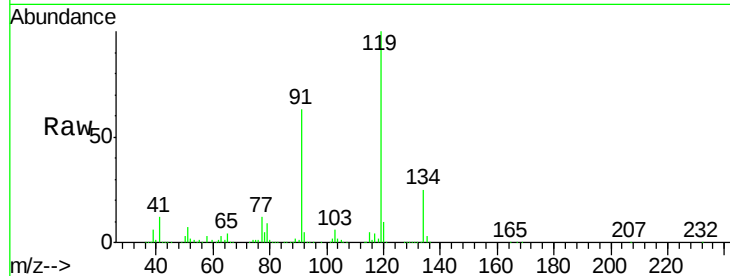
#83
 tert-Butylbenzene
 Concen: 22.939 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.3	93.8
134	26.3	13.1	39.1

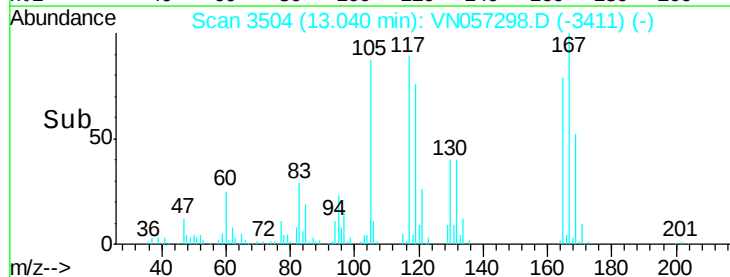
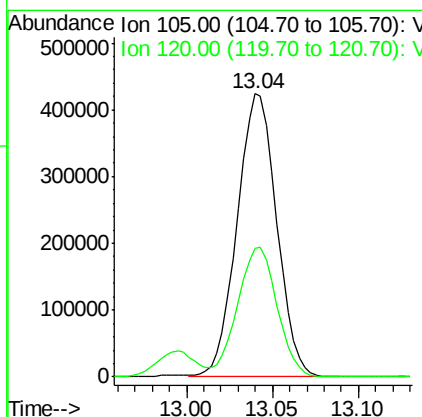
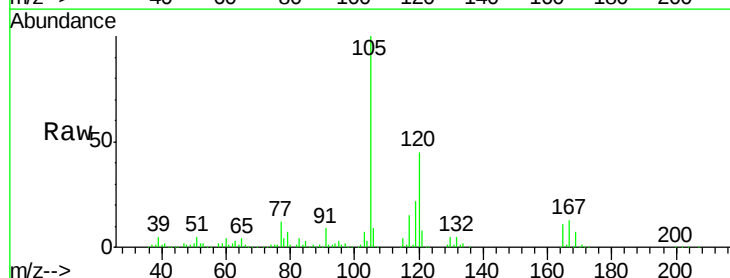
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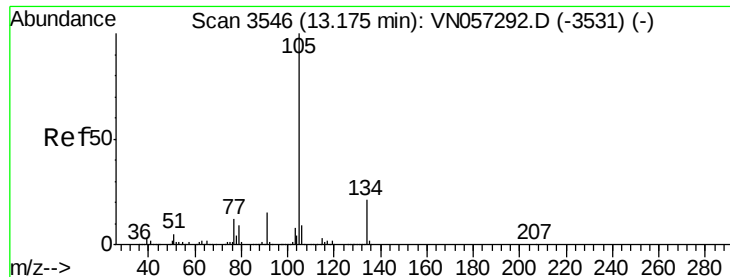
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.818 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.783 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion:105 Resp: 771072

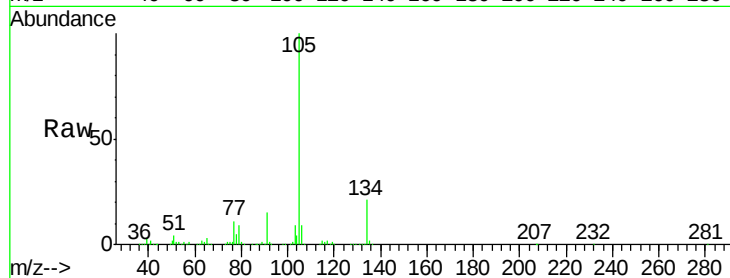
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2

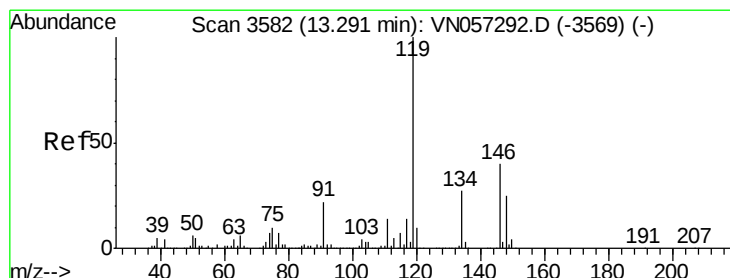
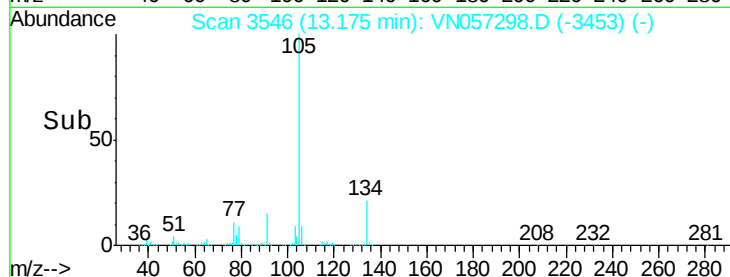
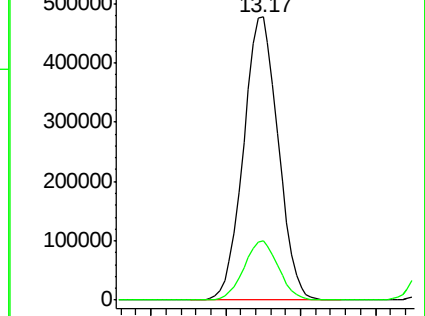
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.974 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

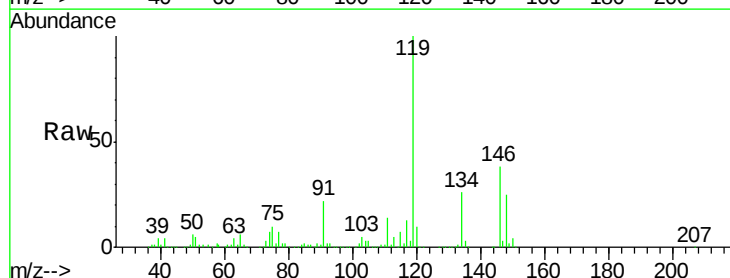
Tgt Ion:119 Resp: 663222

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

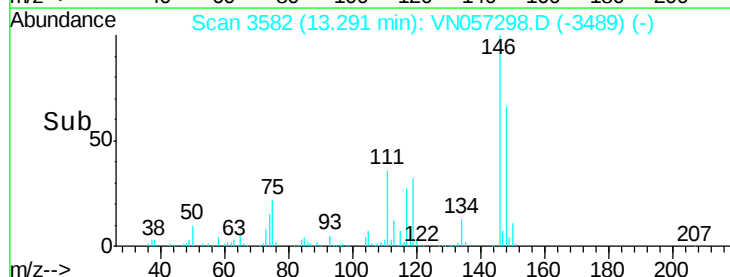
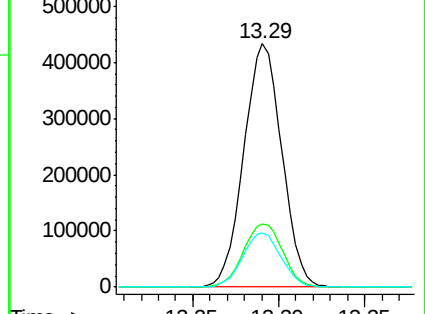
91 22.6 11.2 33.5

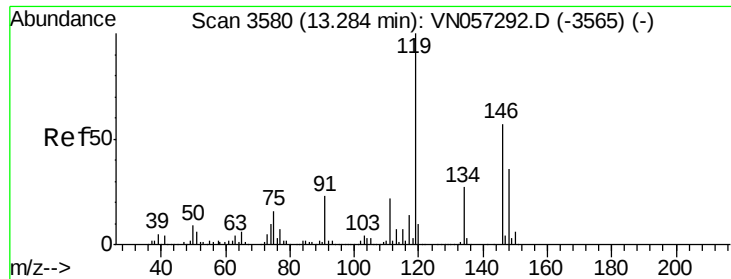


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





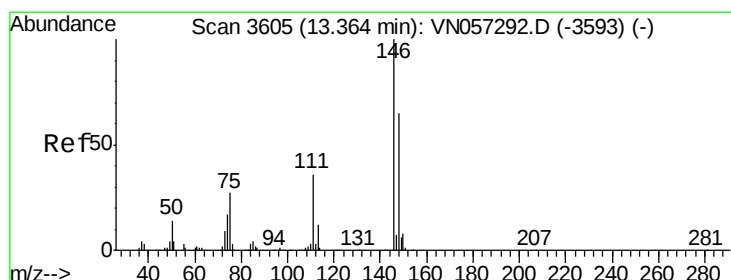
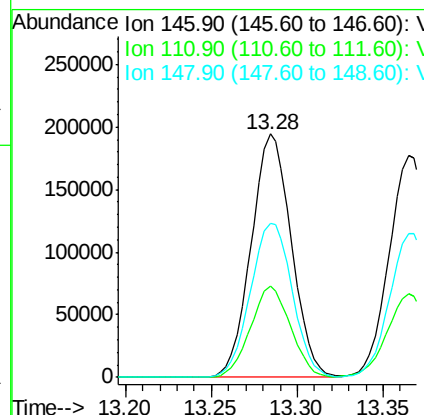
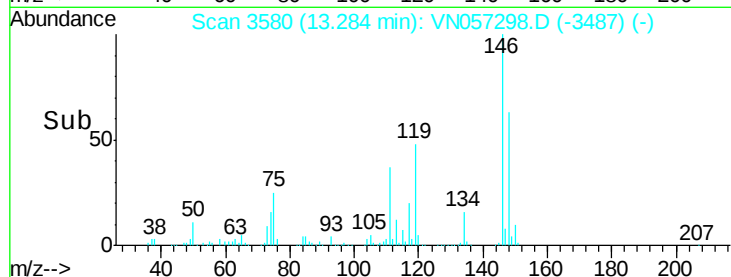
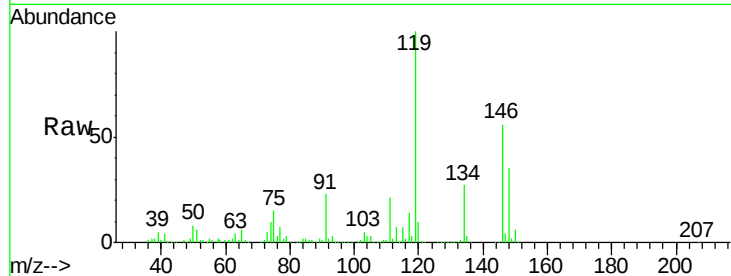
#87
 1,3-Dichlorobenzene
 Concen: 19.955 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	66.0	31.7	95.1

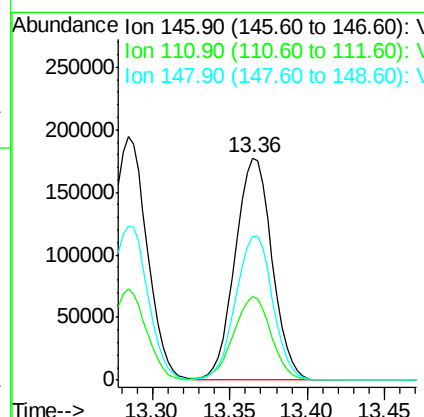
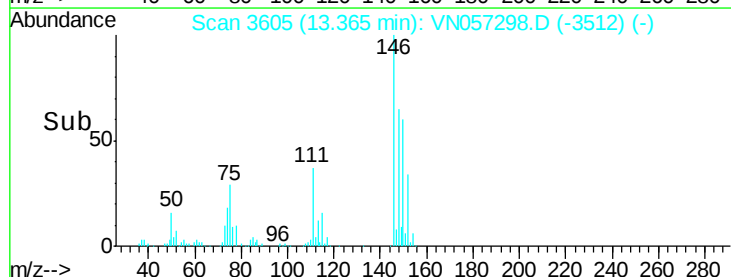
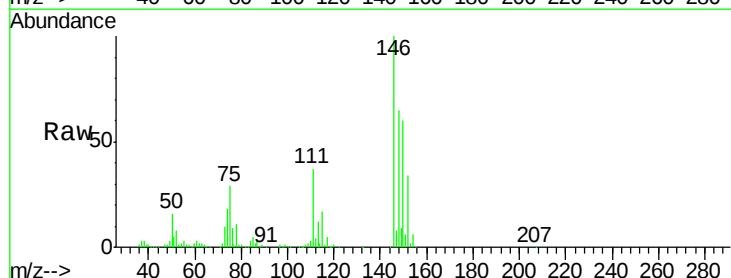
Manual Integrations
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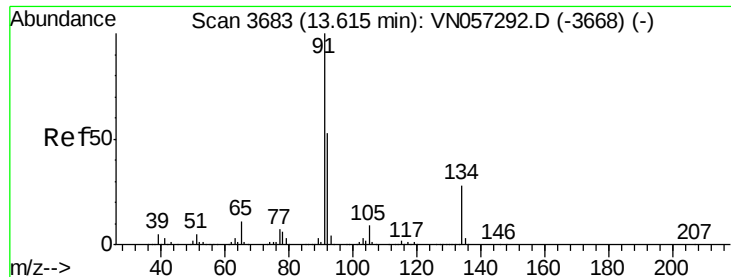
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#88
 1,4-Dichlorobenzene
 Concen: 19.662 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.4
148	65.2	32.5	97.4





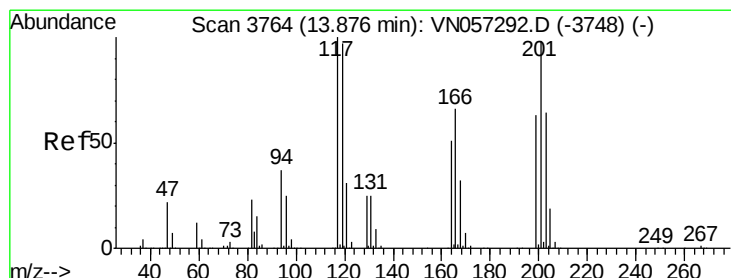
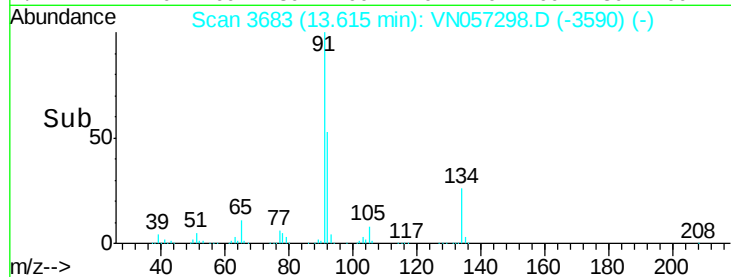
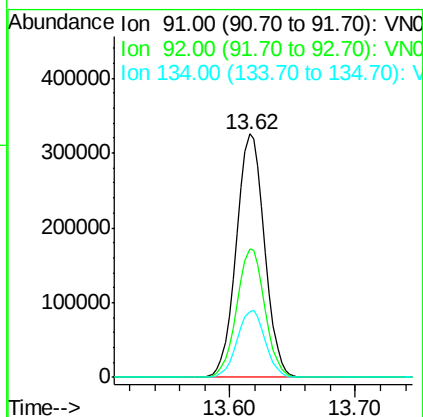
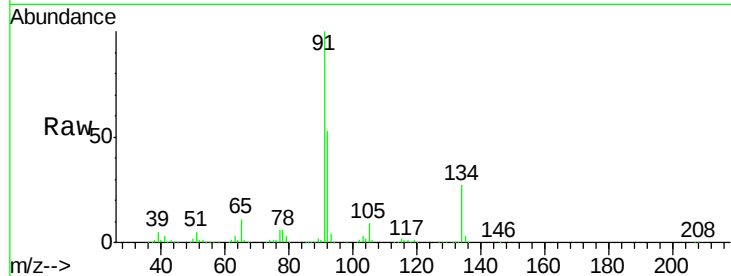
#89
n-Butylbenzene
Concen: 21.422 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	27.4	13.9	41.7

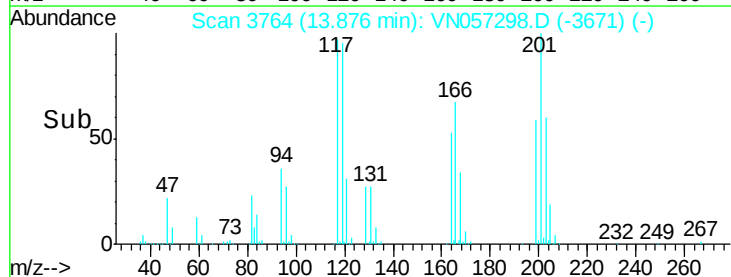
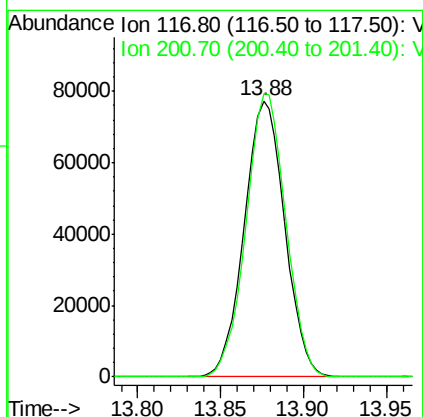
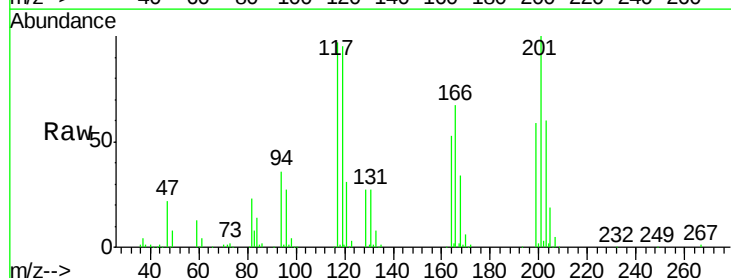
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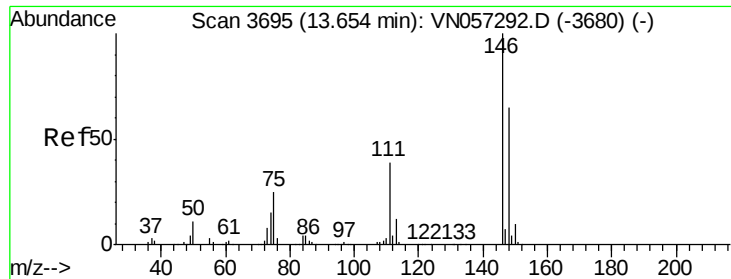
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#90
Hexachloroethane
Concen: 21.910 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057298.D
Acq: 14 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.9	48.4	145.0





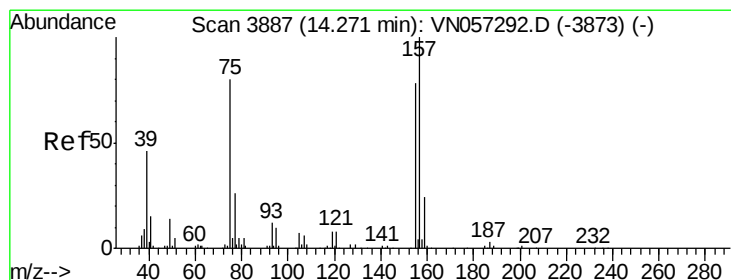
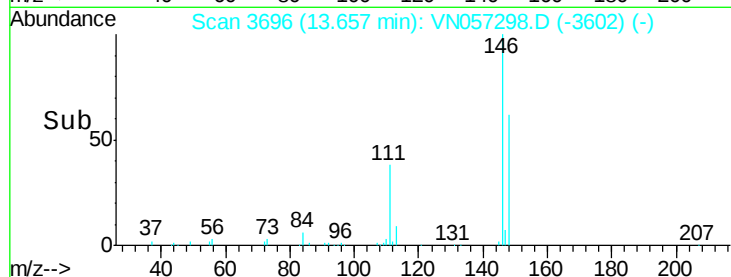
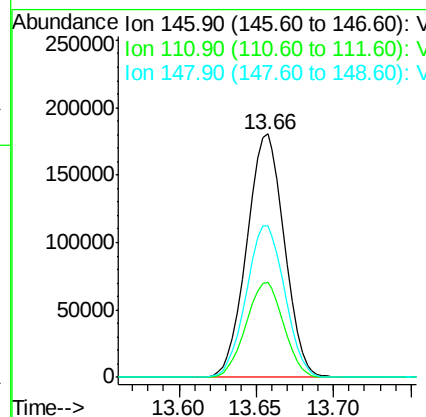
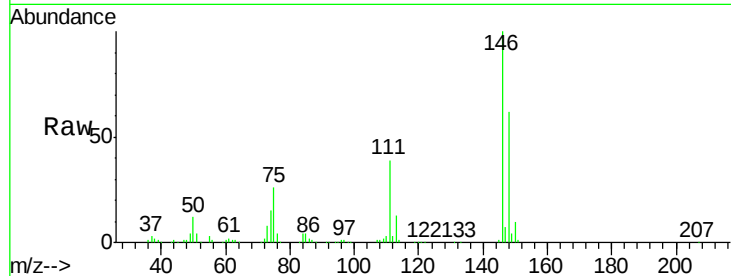
#91
 1,2-Dichlorobenzene
 Concen: 20.774 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion:	146	Resp:	305512
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.7	59.1
148	63.7	32.0	96.0

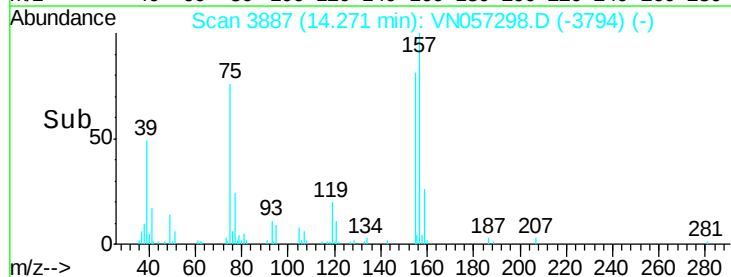
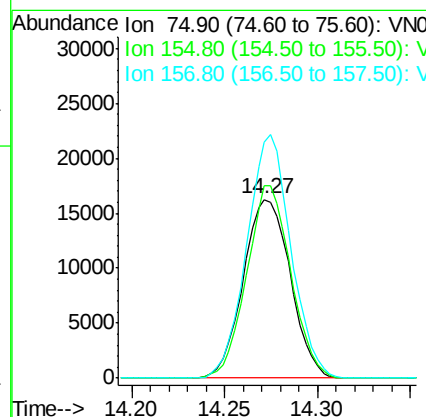
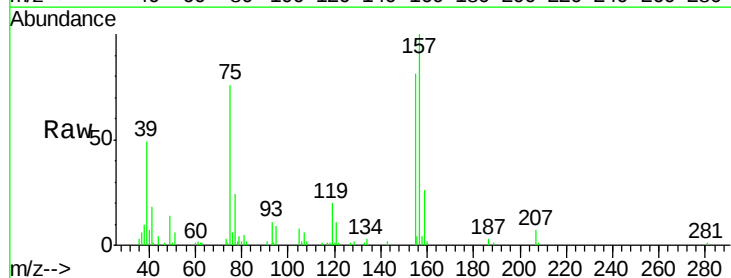
Manual Integrations
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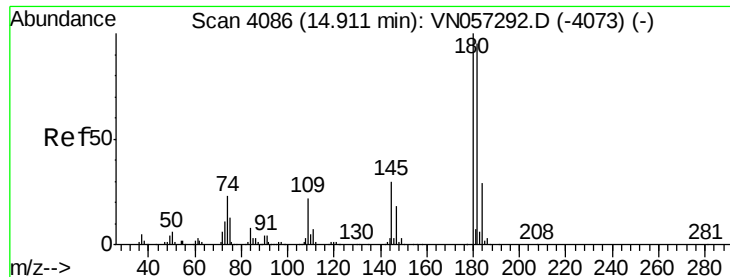
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.922 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057298.D
 Acq: 14 Aug 2019 20:17

Tgt Ion:	75	Resp:	28776
Ion Ratio	Lower	Upper	
75	100		
155	100.5	49.6	148.8
157	127.4	63.7	191.1





#93

1,2,4-Trichlorobenzene

Concen: 17.628 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

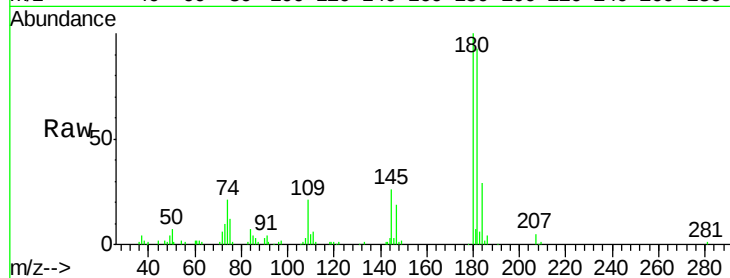
ClientSampleId :

VN0815WBSD01

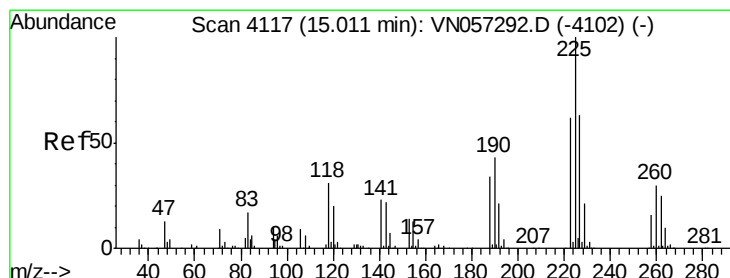
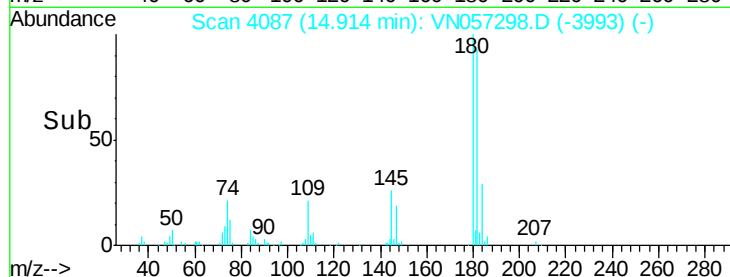
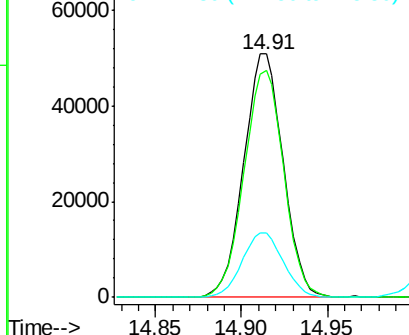
Tot Ion:	180	Resp:	80831
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.0	144.2
145	27.7	14.5	43.6

Manual Integrations
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MMdadoda
8/19/2019 1:53:23 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.497 ug/l

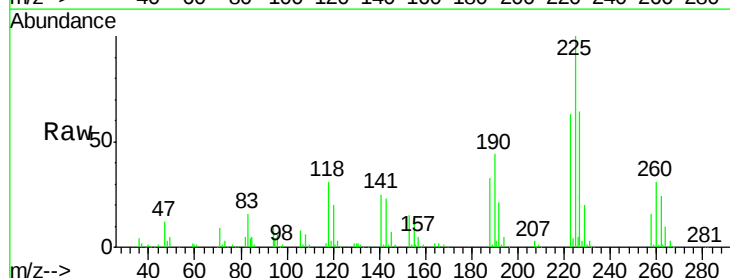
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

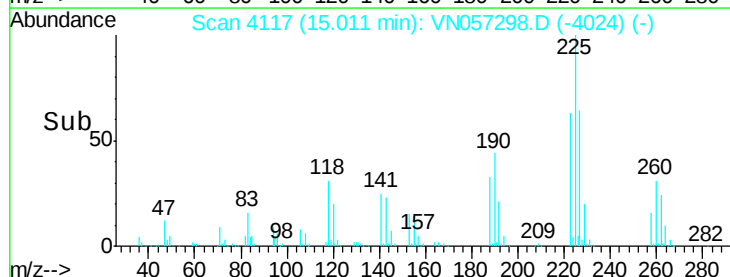
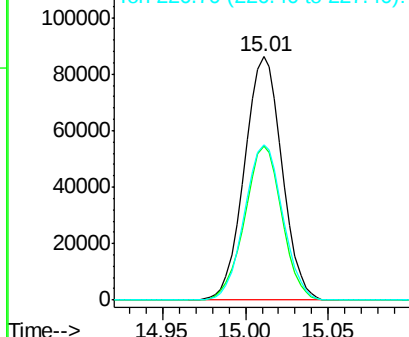
Lab File: VN057298.D

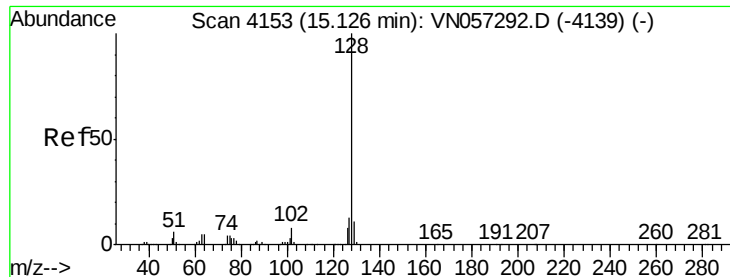
Acq: 14 Aug 2019 20:17

Tgt Ion:	225	Resp:	135741
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.7	92.1
227	64.8	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.891 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Instrument :

MSVOA_N

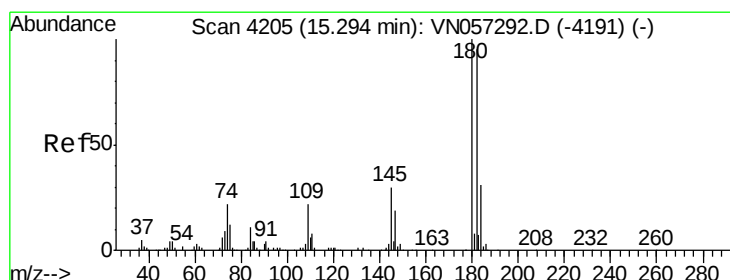
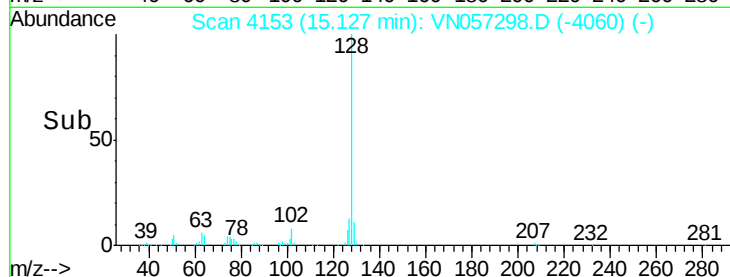
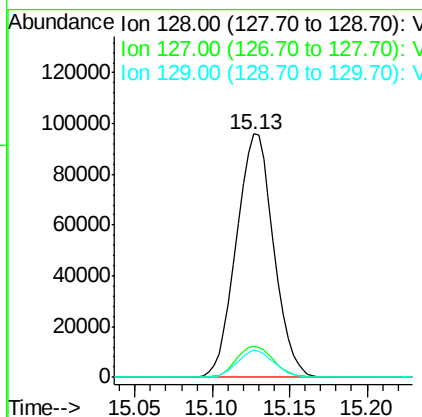
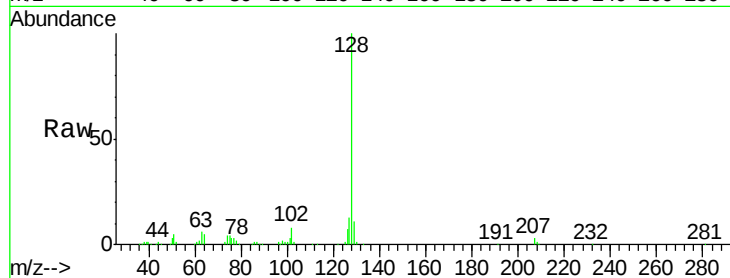
ClientSampleId :

VN0815WBSD01

Tot Ion:	128	Resp:	160717
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.685 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057298.D

Acq: 14 Aug 2019 20:17

Tgt Ion:	180	Resp:	78064
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.9	143.6
145	30.5	15.1	45.3

