

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058593.D
 Acq On : 8 Oct 2019 1:14
 Operator : JC/SP
 Sample : K5197-05MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:58 AM

Quant Time: Oct 08 16:02:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	444161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	327973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	311379	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.57	113	229649	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.08	98	879299	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.41	95	334092	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214663	44.077	ug/l	98
3) Chloromethane	2.04	50	300700	56.161	ug/l	99
4) Vinyl Chloride	2.17	62	289824	55.257	ug/l	100
5) Bromomethane	2.54	94	140683	50.497	ug/l	100
6) Chloroethane	2.68	64	177115	56.357	ug/l	98
7) Trichlorofluoromethane	3.00	101	355138	56.108	ug/l	98
8) Diethyl Ether	3.39	74	140094	51.298	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	204537	47.582	ug/l	99
10) Methyl Iodide	3.93	142	216479	45.418	ug/l	99
11) Tert butyl alcohol	4.76	59	225631	312.914	ug/l	98
12) 1,1-Dichloroethene	3.71	96	205043	48.936	ug/l	99
13) Acrolein	3.58	56	71163	310.293	ug/l	98
14) Allyl chloride	4.30	41	393726	51.636	ug/l	93
15) Acrylonitrile	4.96	53	600927	285.952	ug/l	99
16) Acetone	3.79	43	526883	238.127	ug/l	99
17) Carbon Disulfide	4.03	76	540511	48.938	ug/l	99
18) Methyl Acetate	4.30	43	280574	50.418	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	798577	54.017	ug/l	100
20) Methylene Chloride	4.53	84	252451	49.441	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	225720	48.445	ug/l	98
22) Diisopropyl ether	5.93	45	859255	52.366	ug/l	99
23) Vinyl Acetate	5.87	43	3284585	265.478	ug/l	99
24) 1,1-Dichloroethane	5.82	63	477651	51.724	ug/l	99
25) 2-Butanone	6.81	43	786236	258.813	ug/l	99
26) 2,2-Dichloropropane	6.80	77	297357	39.167	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	276697	50.811	ug/l	97
28) Bromochloromethane	7.18	49	193566	52.437	ug/l	100
29) Tetrahydrofuran	7.19	42	522310	270.894	ug/l	99
30) Chloroform	7.36	83	478400	51.123	ug/l	100
31) Cyclohexane	7.64	56	402360	44.792	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	412224	53.643	ug/l	98
36) 1,1-Dichloropropene	7.78	75	347817	48.447	ug/l	100
37) Ethyl Acetate	6.91	43	318051	52.252	ug/l	99
38) Carbon Tetrachloride	7.76	117	350796	54.132	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	375259	44.759	ug/l	99
40) Benzene	8.03	78	1035875	50.195	ug/l	100
41) Methacrylonitrile	7.15	41	165058	58.944	ug/l	93
42) 1,2-Dichloroethane	8.11	62	399317	49.735	ug/l	100
43) Isopropyl Acetate	8.15	43	567801	49.606	ug/l #	89
44) Trichloroethene	8.82	130	292260	57.355	ug/l	96
45) 1,2-Dichloropropane	9.11	63	286541	51.772	ug/l	99
46) Dibromomethane	9.20	93	178522	50.933	ug/l	99
47) Bromodichloromethane	9.39	83	377049	56.777	ug/l	99
48) Methyl methacrylate	9.19	41	278091	53.356	ug/l	95
49) 1,4-Dioxane	9.19	88	94513	1356.175	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1705805	290.128	ug/l	100
52) Toluene	10.15	92	640481	49.308	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	402877	55.737	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	427985	53.341	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	257318	54.405	ug/l	98
56) Ethyl methacrylate	10.43	69	397327	55.362	ug/l	96
57) 1,3-Dichloropropane	10.71	76	447972	53.100	ug/l	99
59) 2-Hexanone	10.75	43	1232218	287.823	ug/l	100
60) Dibromochloromethane	10.90	129	278672	56.975	ug/l	99
61) 1,2-Dibromoethane	11.00	107	257615	53.306	ug/l	99
64) Tetrachloroethene	10.63	164	2394868	551.177	ug/l	97
65) Chlorobenzene	11.44	112	687170	50.549	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	260180	56.805	ug/l	100
67) Ethyl Benzene	11.51	91	1262406	51.269	ug/l	100
68) m/p-Xylenes	11.62	106	922257	99.550	ug/l	99
69) o-Xylene	11.95	106	449725	50.428	ug/l	99
70) Stvrene	11.97	104	750785	51.821	ug/l	99
71) Bromoform	12.13	173	184564	58.194	ug/l #	100
73) Isopropylbenzene	12.25	105	1220508	50.355	ug/l	99
74) N-amyl acetate	12.07	43	493345	51.163	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	376401	52.517	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	358417m	59.831	ug/l	
77) Bromobenzene	12.53	156	291692	51.325	ug/l	98
78) n-propylbenzene	12.60	91	1412040	51.710	ug/l	99
79) 2-Chlorotoluene	12.68	91	845890	50.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1036209	51.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107000	54.248	ug/l	94
82) 4-Chlorotoluene	12.78	91	877813	51.040	ug/l	99
83) tert-Butylbenzene	13.00	119	877767	51.269	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1046563	51.483	ug/l	99
85) sec-Butylbenzene	13.18	105	1159393	51.450	ug/l	99
86) p-Isopropyltoluene	13.30	119	1034832	52.170	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	523009	50.751	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	516430	50.368	ug/l	99
89) n-Butylbenzene	13.62	91	905983	50.422	ug/l	100
90) Hexachloroethane	13.88	117	181439	60.880	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	518951	52.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74777	59.164	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	300126	54.852	ug/l	99

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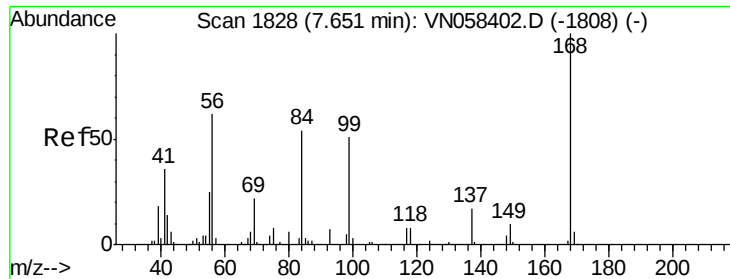
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	140129	49.827	ug/l	98
95) Naphthalene	15.13	128	869182	54.246	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	287928	52.489	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion:168 Resp: 444161

Ion Ratio Lower Upper

168 100

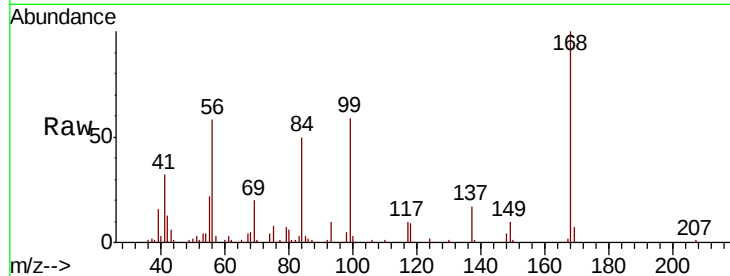
99 58.5 47.7 71.5

Manual Integrations

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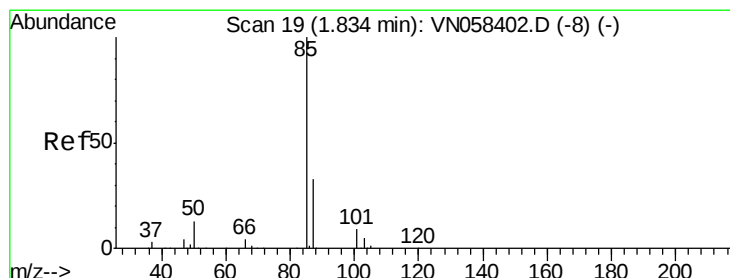
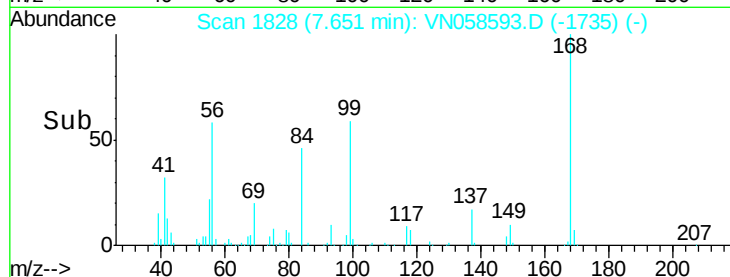
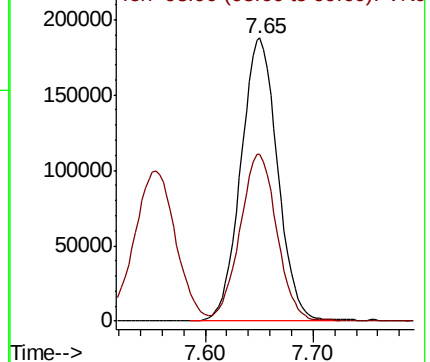
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 44.077 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058593.D

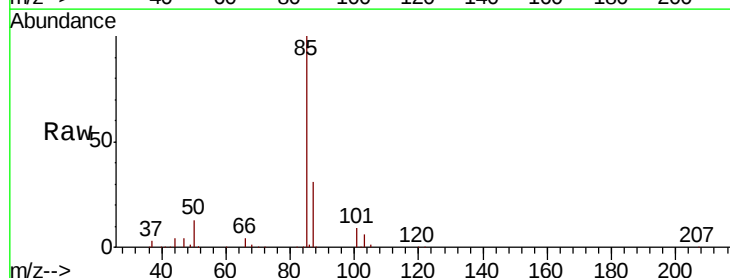
Acq: 8 Oct 2019 1:14

Tgt Ion: 85 Resp: 214663

Ion Ratio Lower Upper

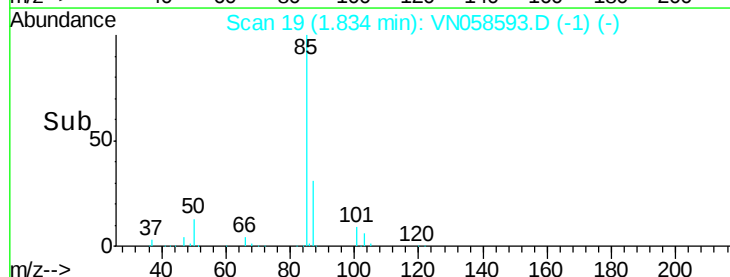
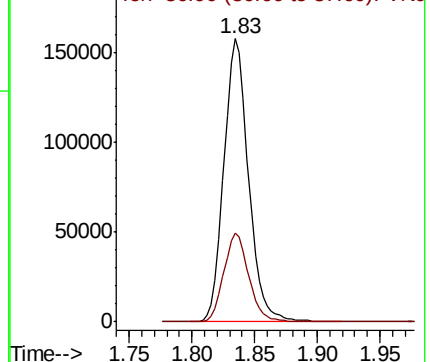
85 100

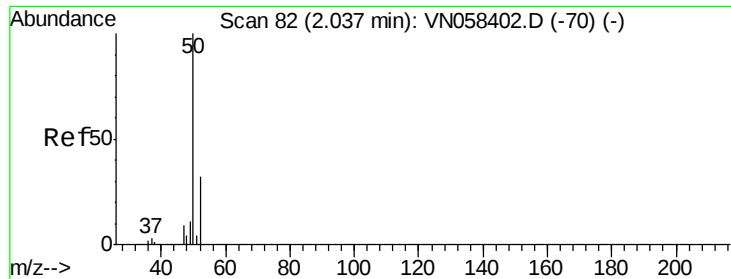
87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 56.161 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 50 Resp: 300700

Ion Ratio Lower Upper

50 100

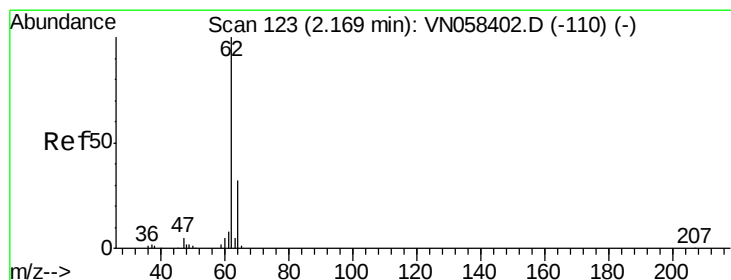
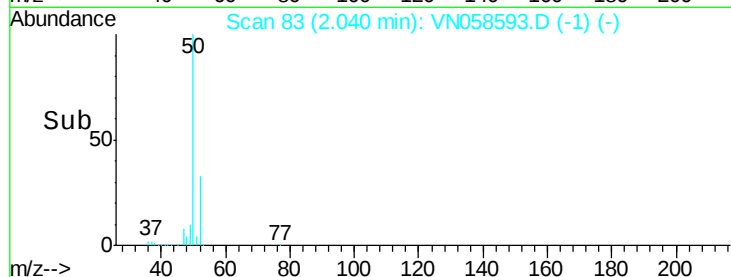
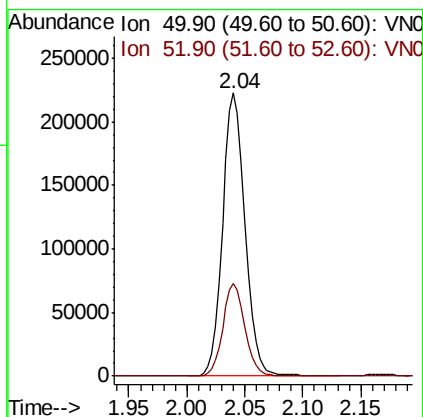
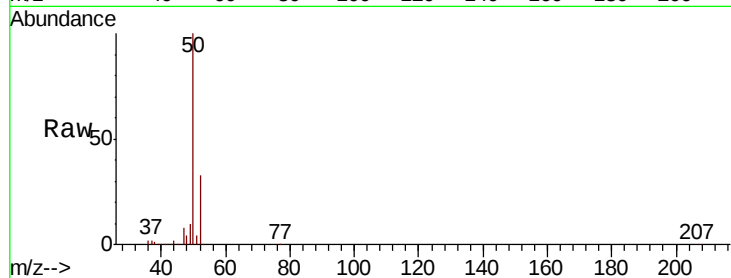
52 32.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.257 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058593.D

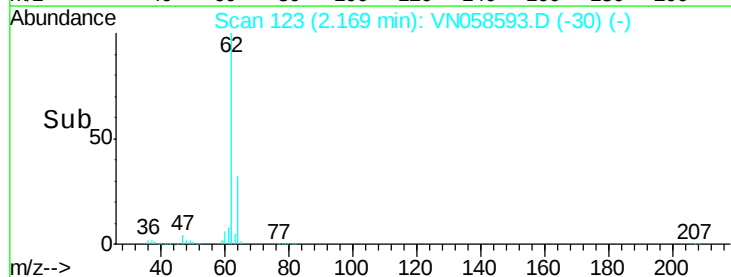
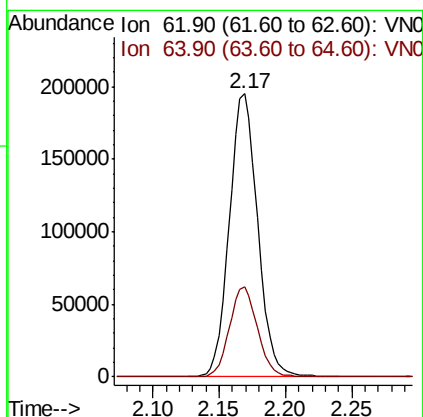
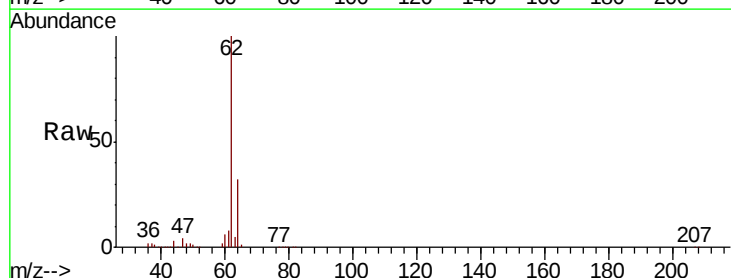
Acq: 8 Oct 2019 1:14

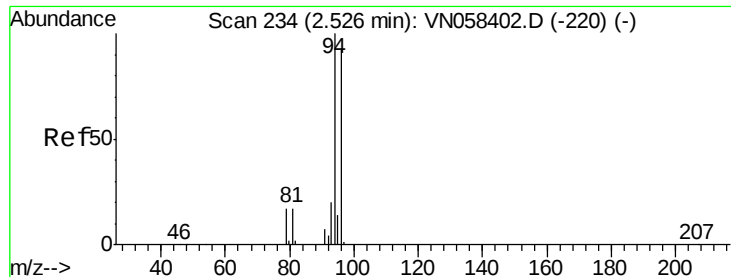
Tgt Ion: 62 Resp: 289824

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 50.497 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 140683

Ion Ratio Lower Upper

94 100

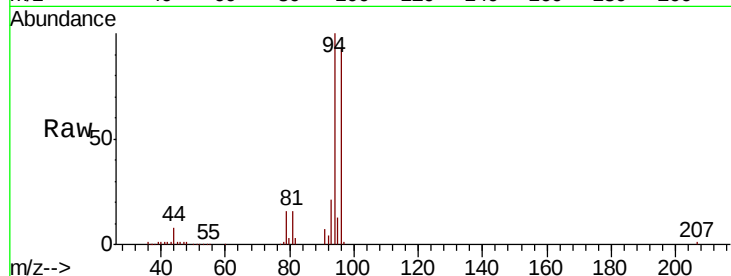
96 93.2 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

80000

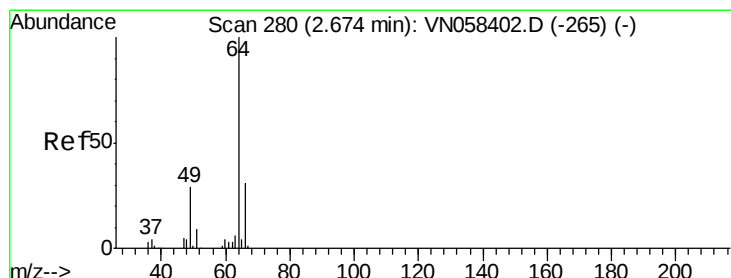
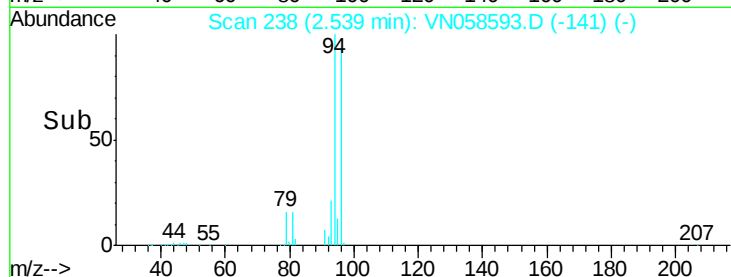
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 56.357 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058593.D

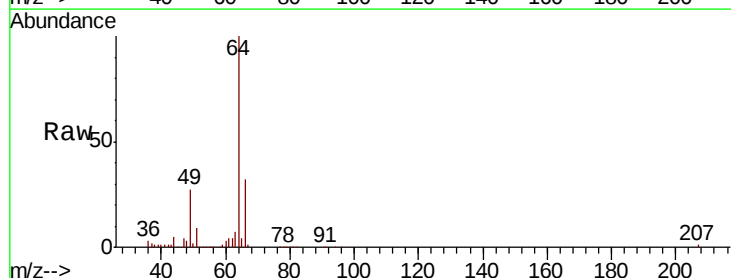
Acq: 8 Oct 2019 1:14

Tgt Ion: 64 Resp: 177115

Ion Ratio Lower Upper

64 100

66 31.8 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

100000

80000

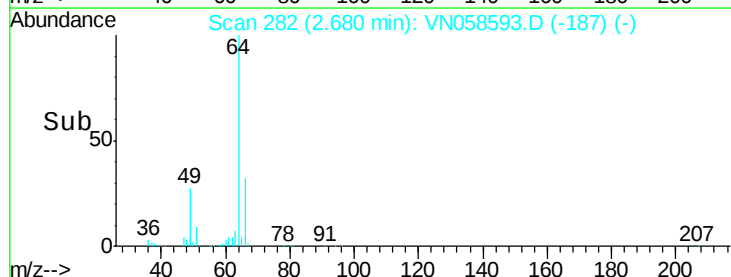
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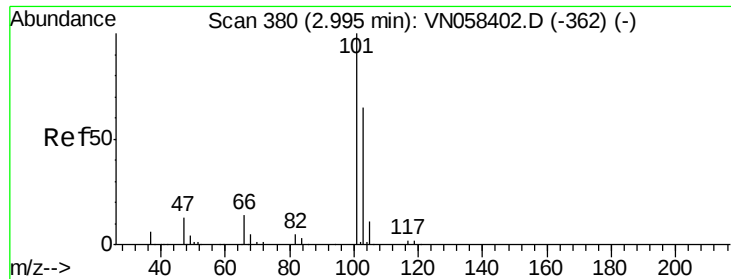
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20000

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Time-->





#7

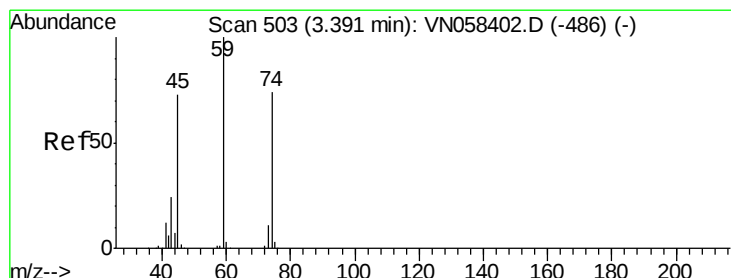
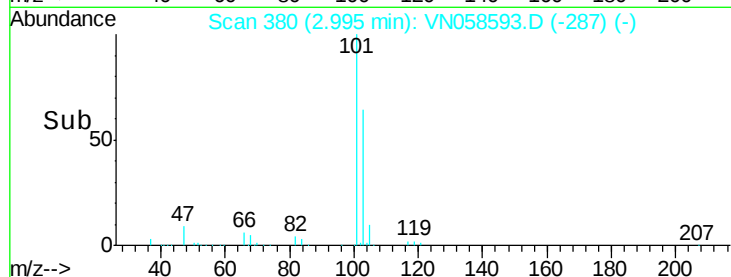
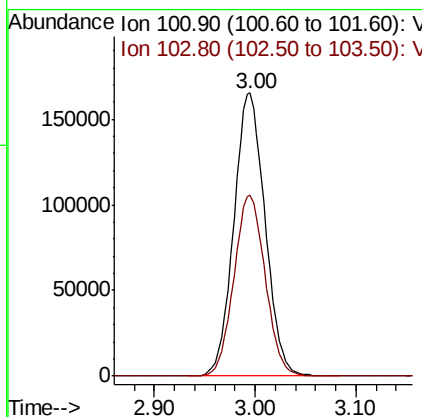
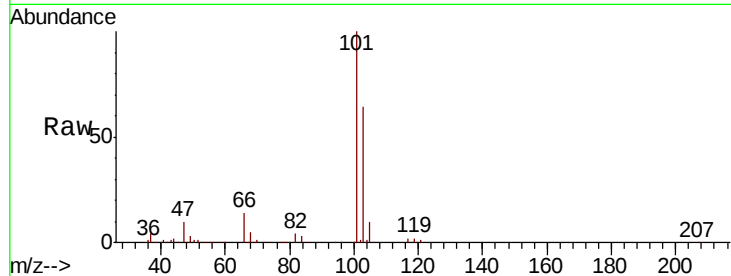
Trichlorofluoromethane
 Concen: 56.108 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	355138		
103	64.0	52.3	78.5	

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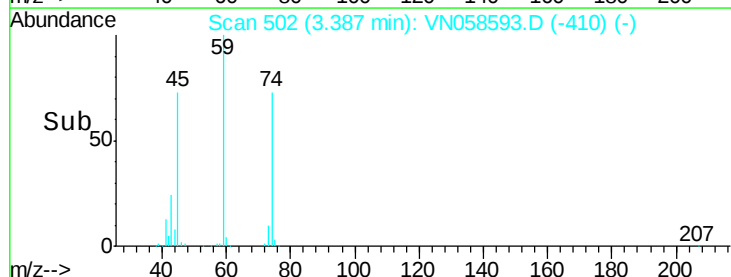
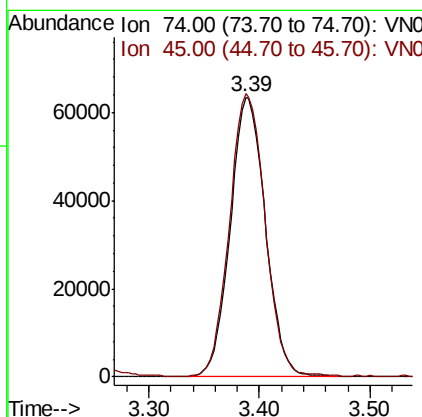
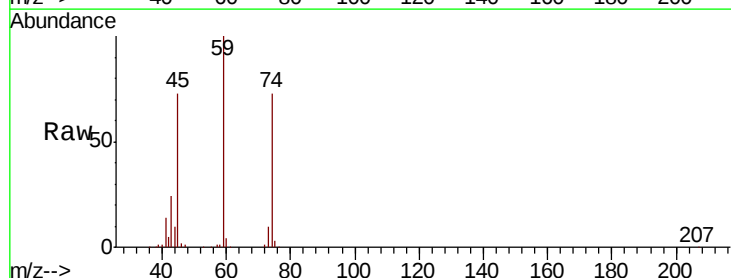
MMDadoda
 10/9/2019 10:50:58 AM

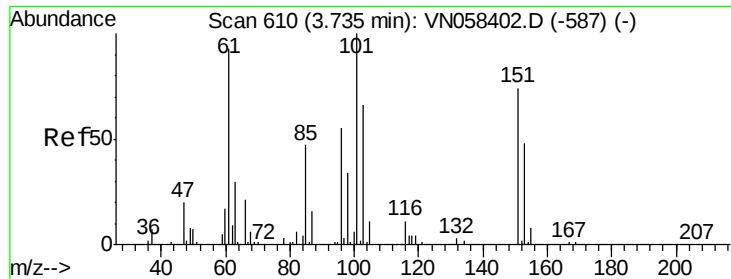


#8

Diethyl Ether
 Concen: 51.298 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	140094		
45	102.3	50.5	151.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.582 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

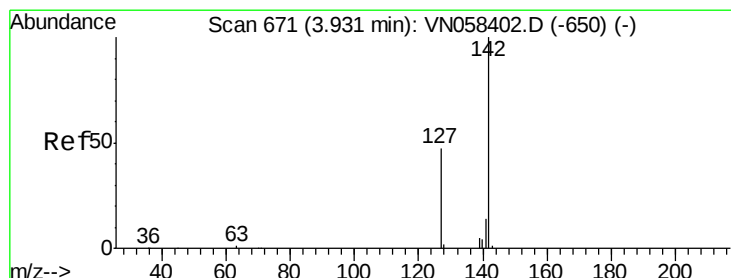
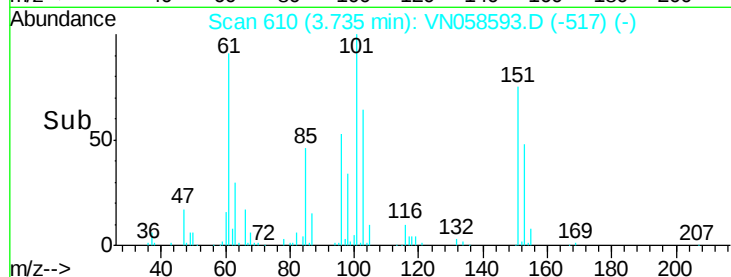
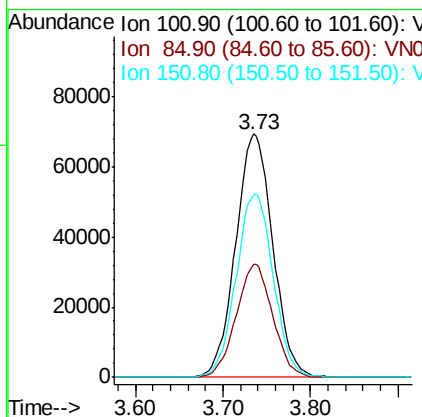
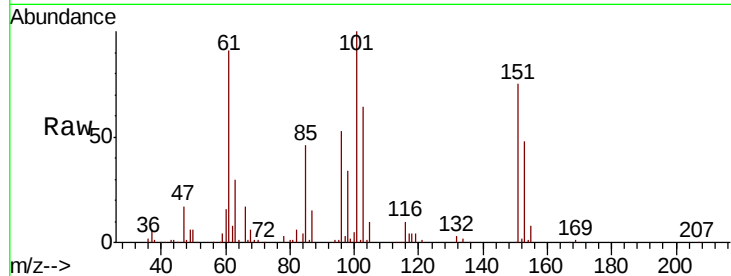
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	101	Resp:	204537
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.7	55.1
151	75.2	59.4	89.0

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#10

Methyl Iodide

Concen: 45.418 ug/l

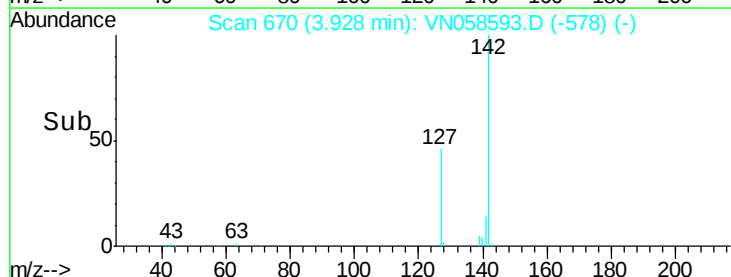
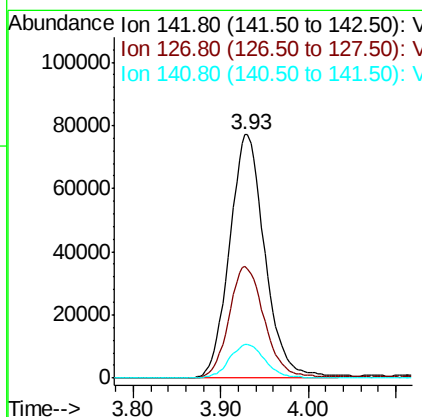
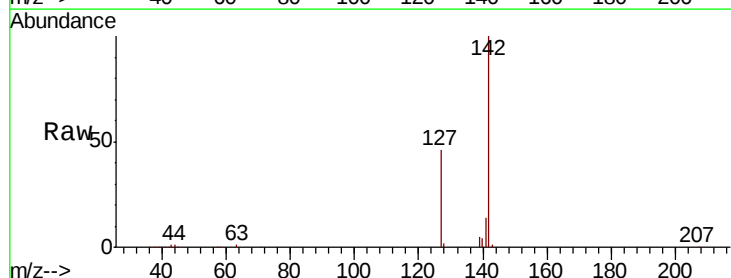
RT: 3.93 min Scan# 670

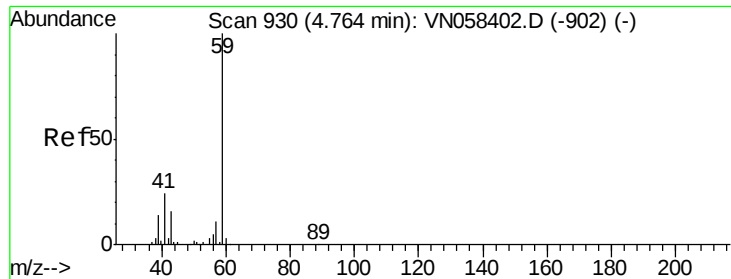
Delta R.T. -0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	142	Resp:	216479
Ion Ratio	Lower	Upper	
142	100		
127	46.0	37.2	55.8
141	13.9	11.3	16.9





#11

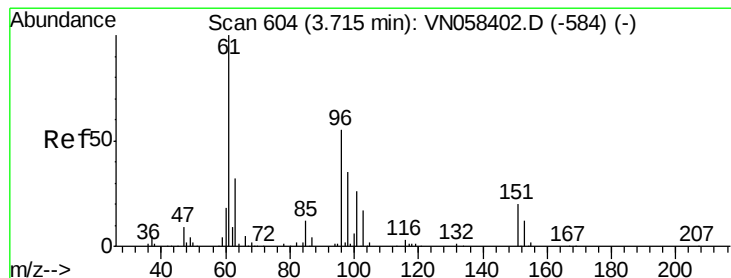
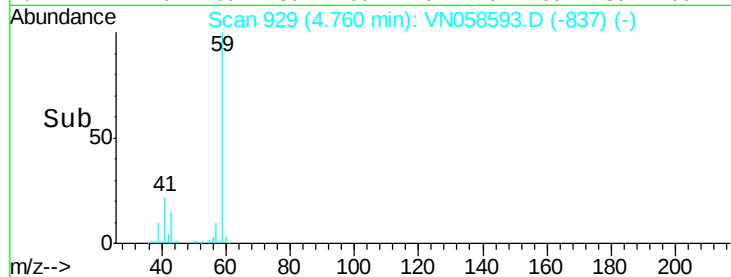
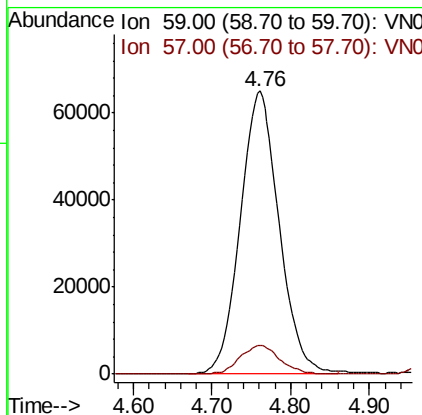
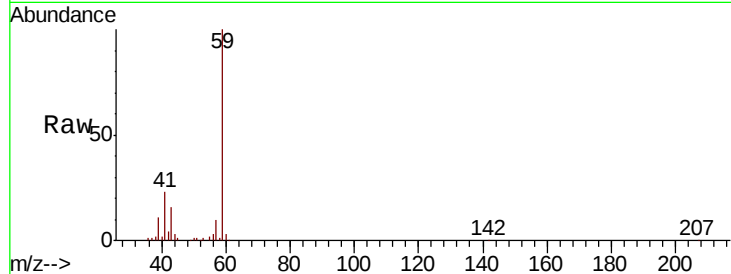
Tert butyl alcohol
 Concen: 312.914 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

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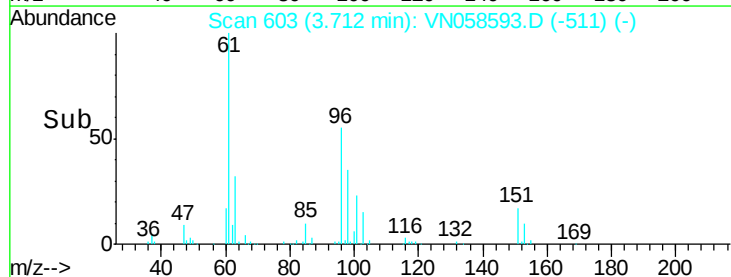
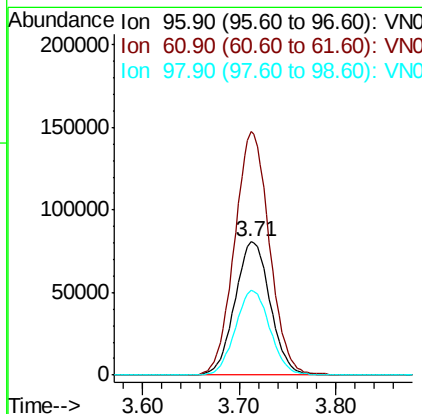
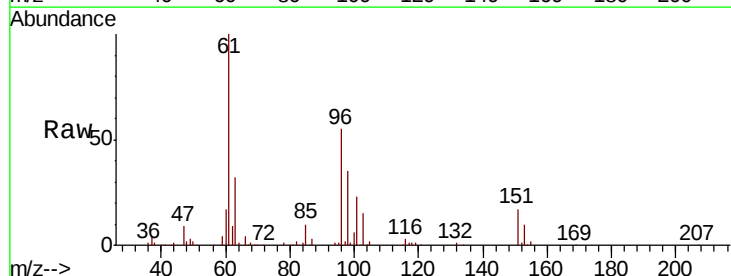
MMDadoda
 10/9/2019 10:50:58 AM

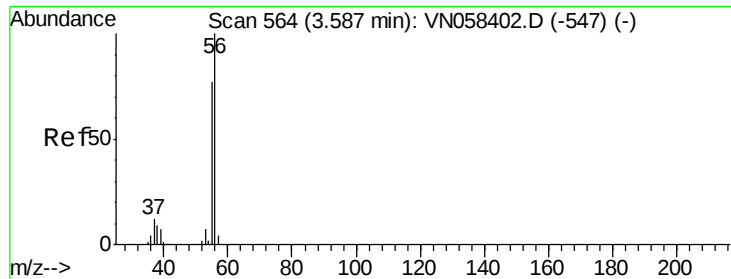


#12

1,1-Dichloroethene
 Concen: 48.936 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.6	146.7	220.1
98	63.2	51.3	76.9





#13

Acrolein

Concen: 310.293 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 56 Resp: 71163

Ion Ratio Lower Upper

56 100

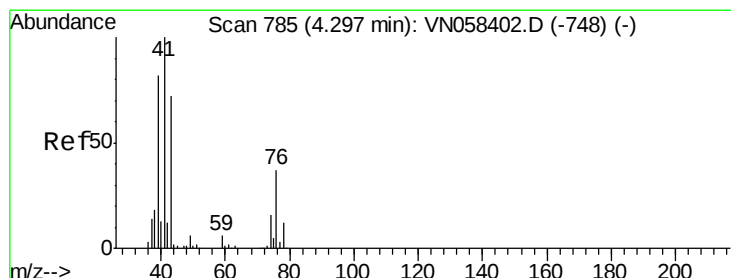
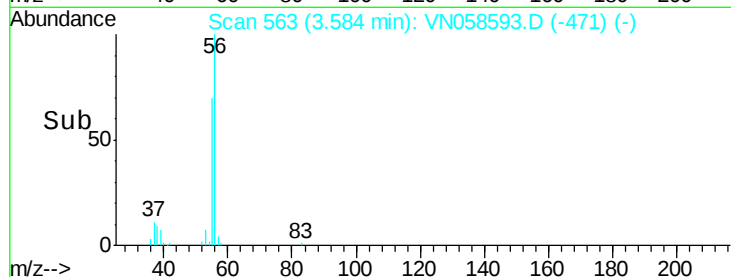
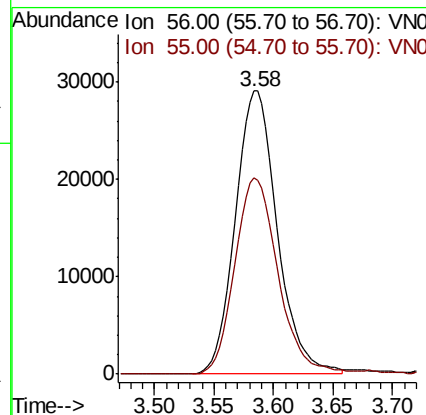
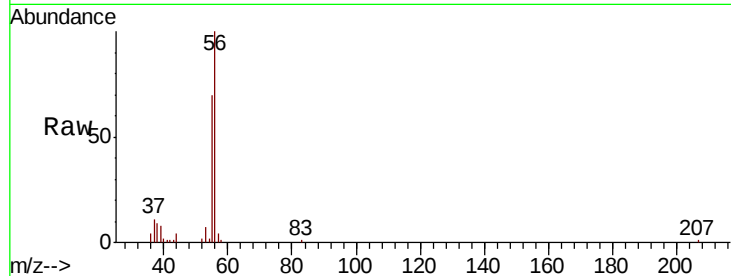
55 71.5 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 51.636 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

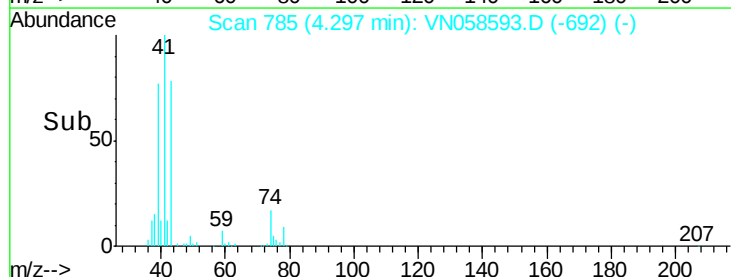
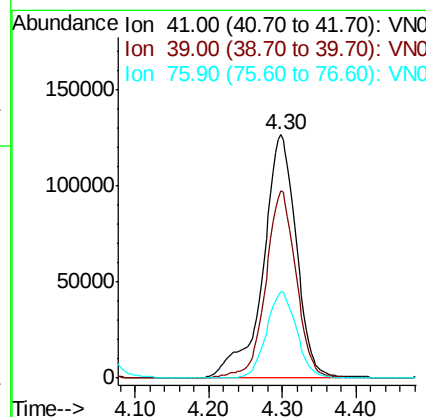
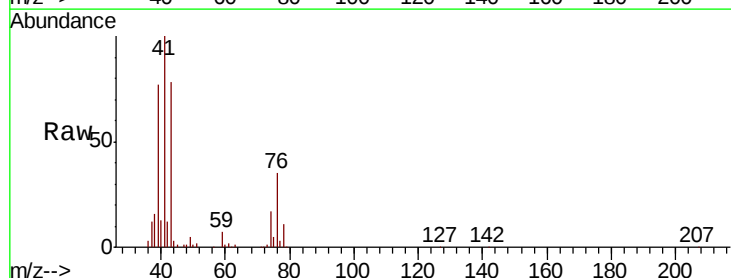
Tgt Ion: 41 Resp: 393726

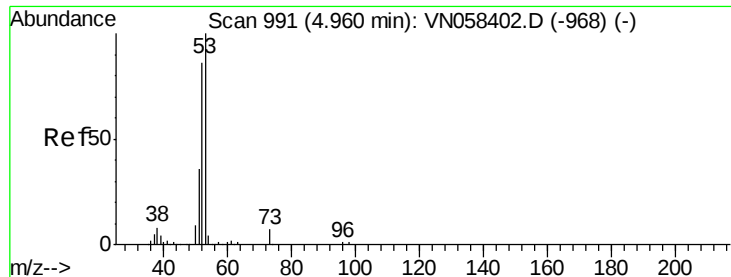
Ion Ratio Lower Upper

41 100

39 70.8 62.3 93.5

76 31.8 26.9 40.3





#15

Acrylonitrile

Concen: 285.952 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

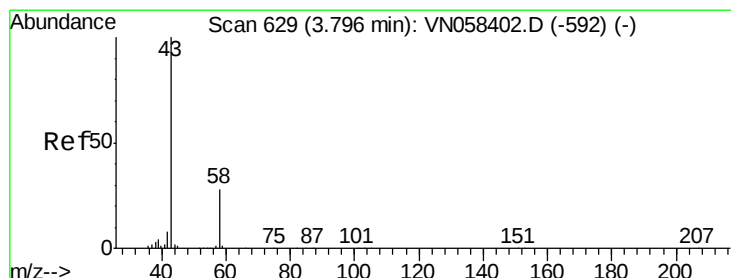
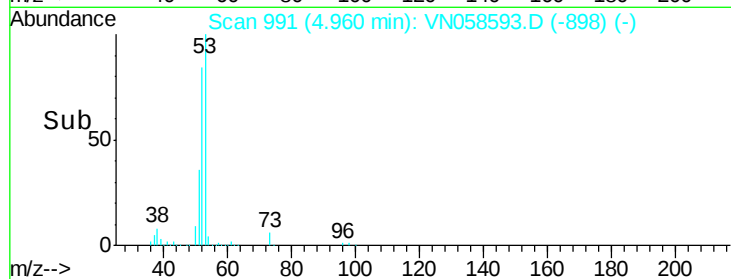
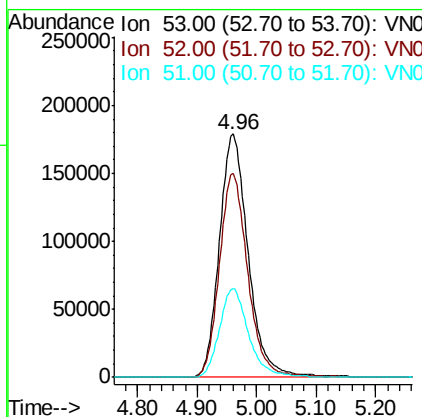
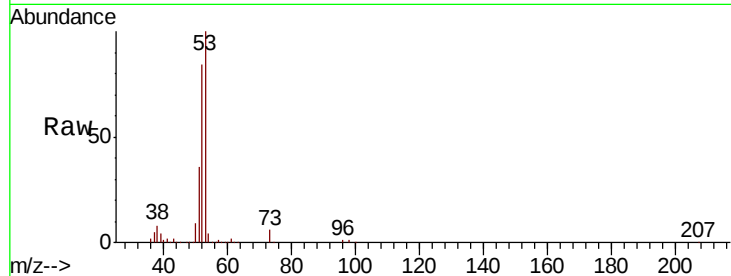
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	53	Resp:	600927
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.6	100.0
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 238.127 ug/l

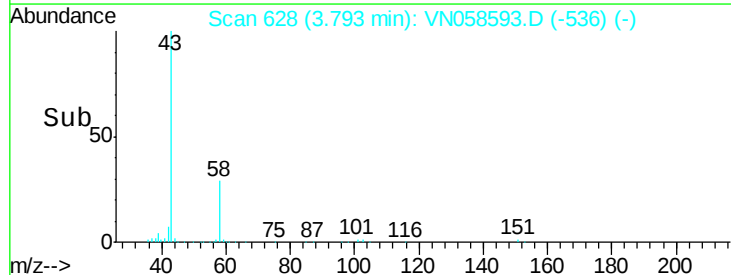
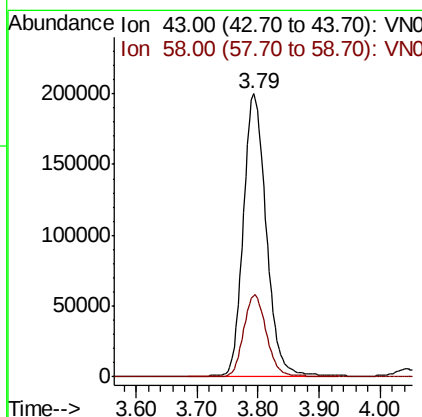
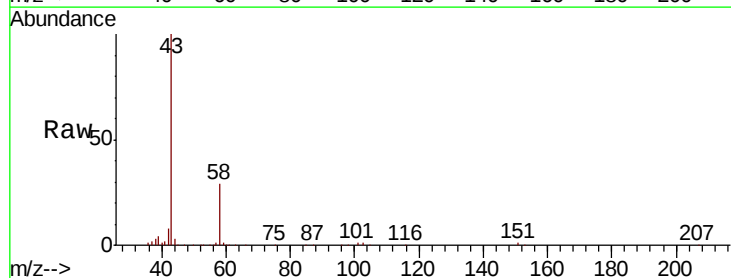
RT: 3.79 min Scan# 628

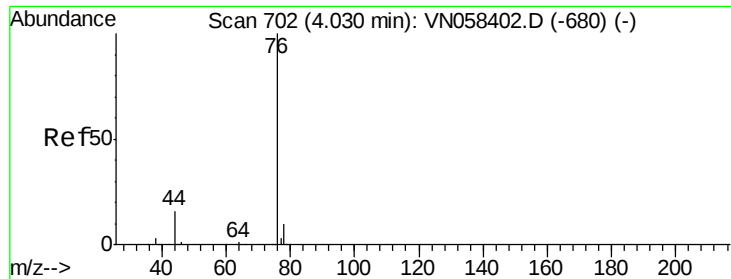
Delta R.T. -0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	43	Resp:	526883
Ion Ratio		Lower	Upper
43	100		
58	28.7	22.4	33.6





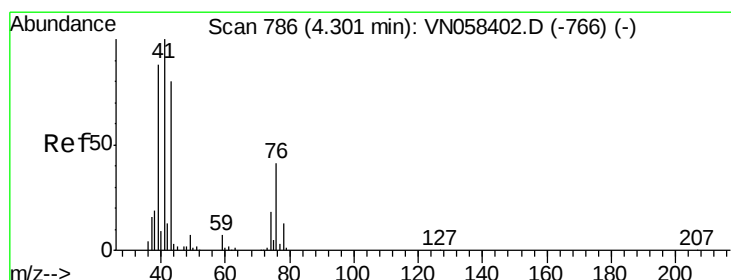
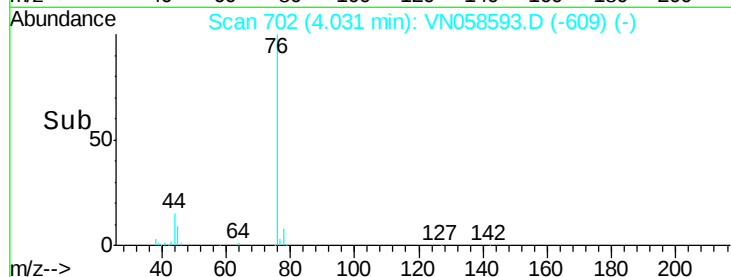
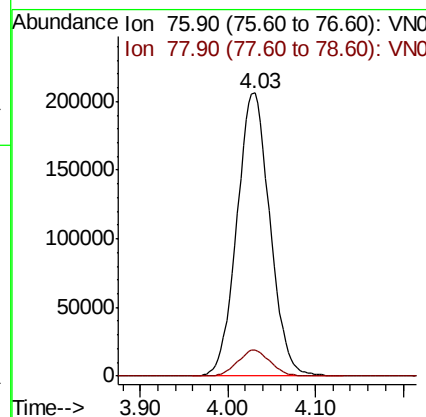
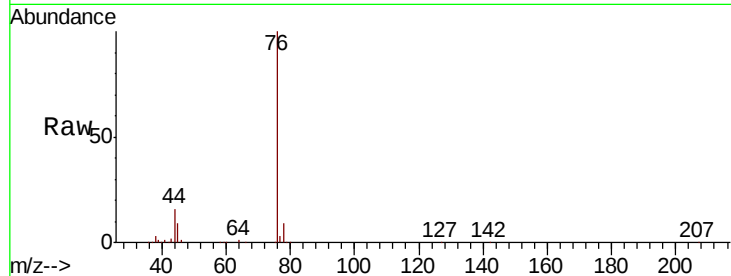
#17
Carbon Disulfide
Concen: 48.938 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

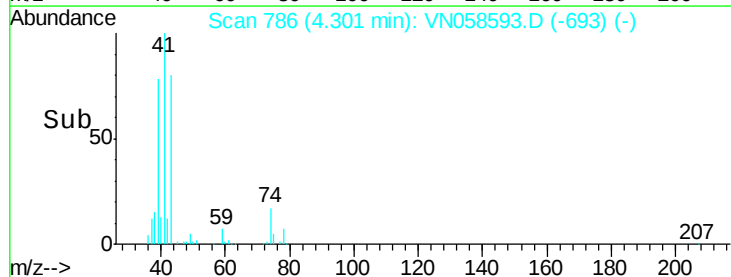
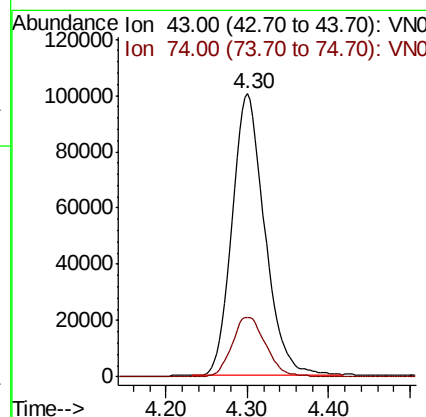
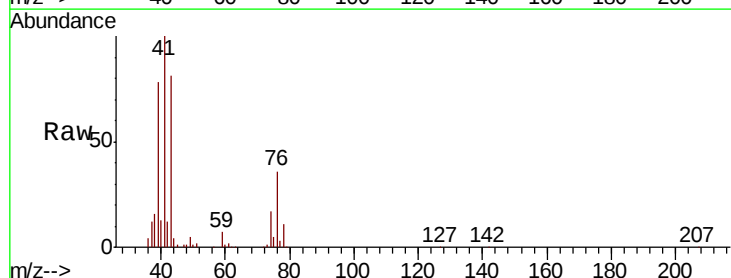
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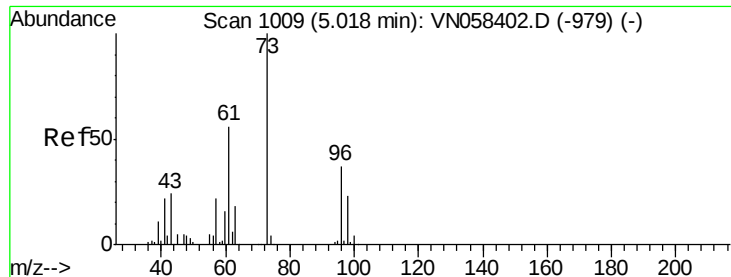
MMDadoda
10/9/2019 10:50:58 AM



#18
Methyl Acetate
Concen: 50.418 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.0	27.0





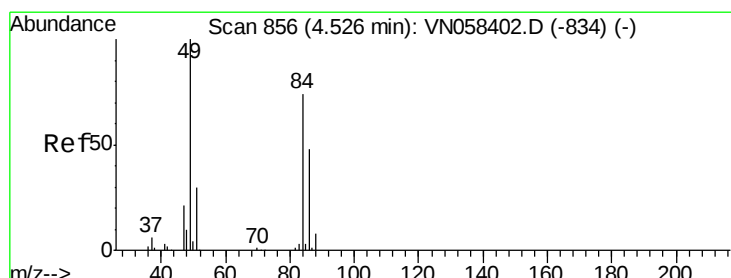
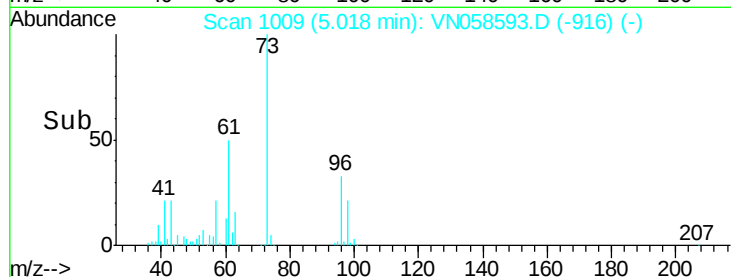
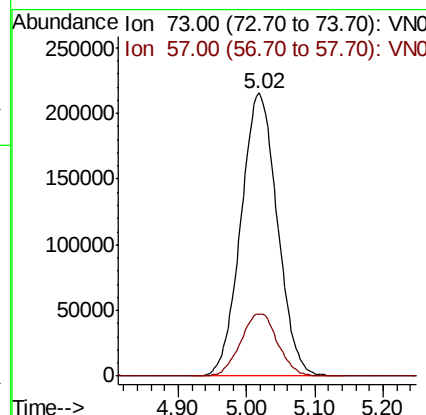
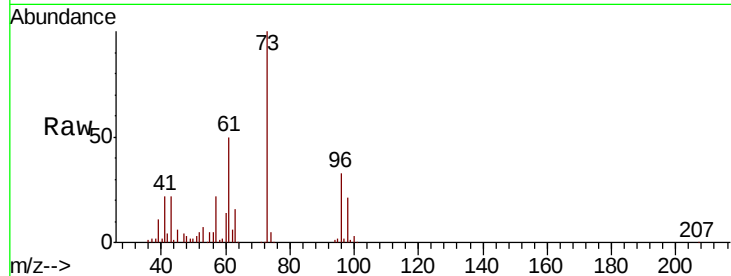
#19
Methvl tert-butvl Ether
Concen: 54.017 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion: 73 Resp: 798577
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

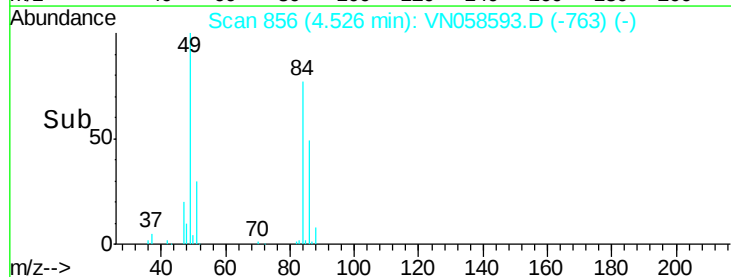
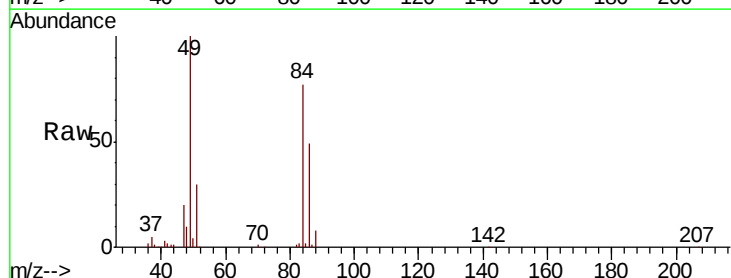
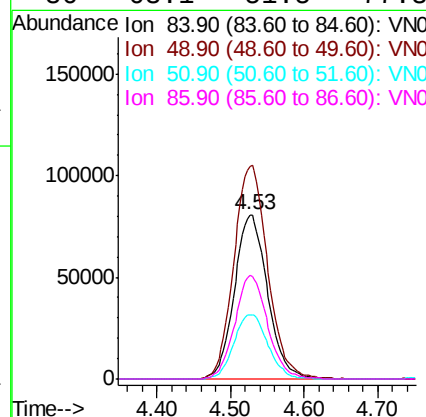
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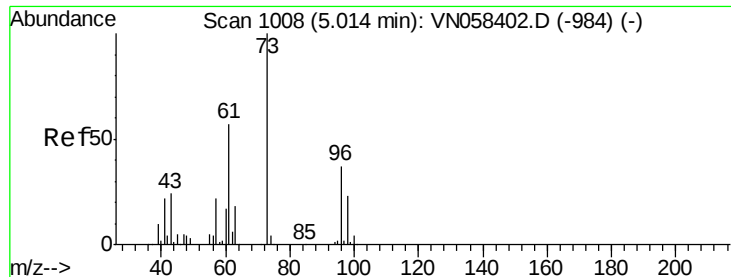
MMDadoda
10/9/2019 10:50:58 AM



#20
Methylene Chloride
Concen: 49.441 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion: 84 Resp: 252451
Ion Ratio Lower Upper
84 100
49 129.8 107.9 161.9
51 39.3 32.8 49.2
86 63.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.445 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 96 Resp: 225720

Ion Ratio Lower Upper

96 100

61 154.3 121.9 182.9

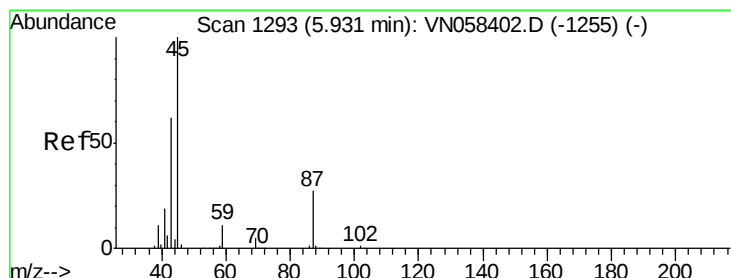
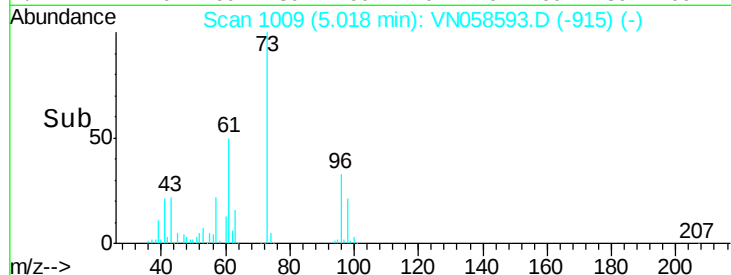
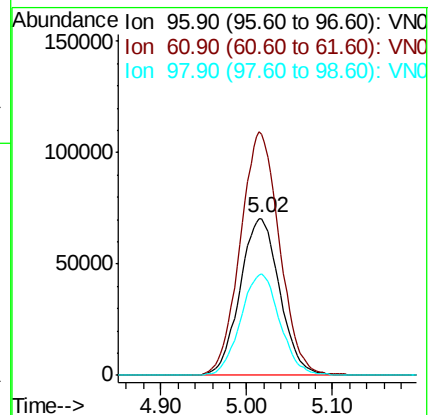
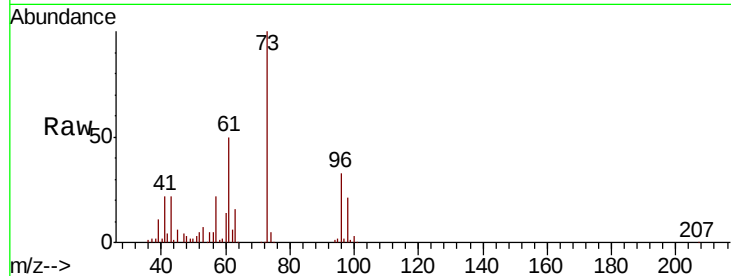
98 64.9 49.3 73.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.366 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion: 45 Resp: 859255

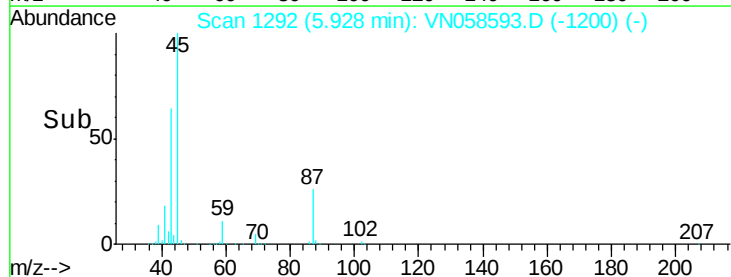
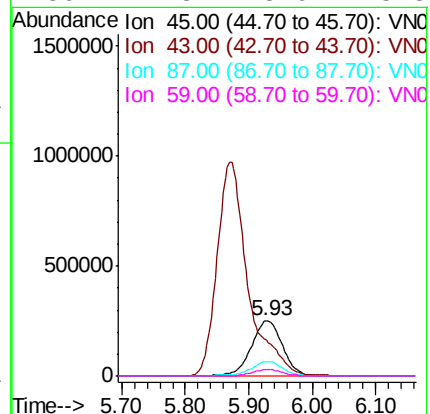
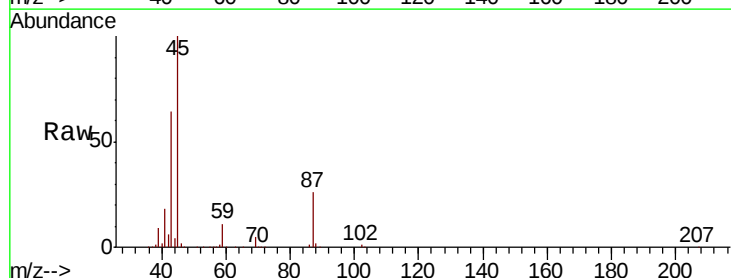
Ion Ratio Lower Upper

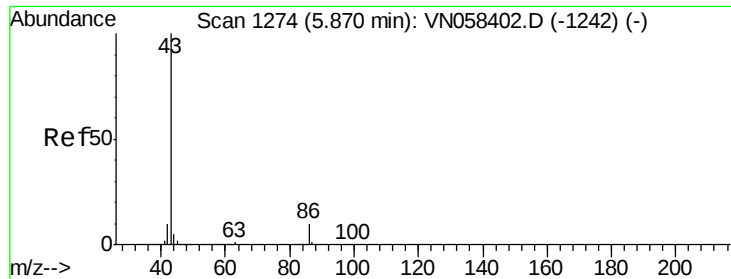
45 100

43 62.9 49.7 74.5

87 26.2 21.5 32.3

59 11.3 8.9 13.3





#23

Vinyl Acetate

Concen: 265.478 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 43 Resp: 3284585

Ion Ratio Lower Upper

43 100

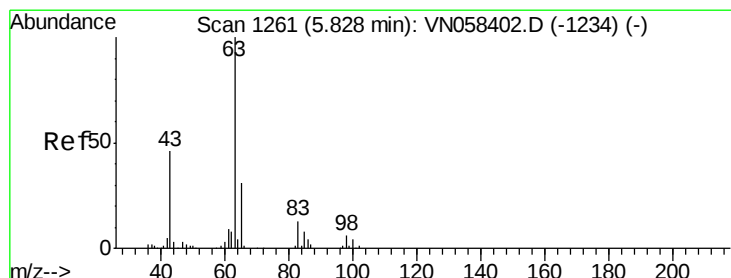
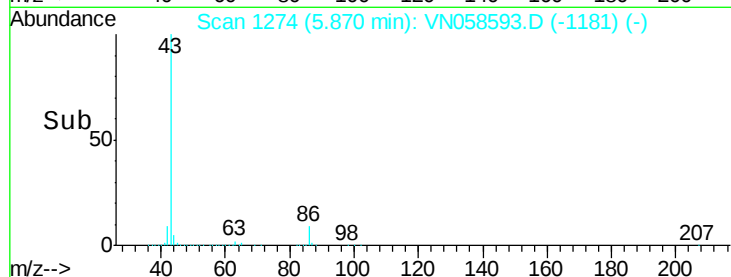
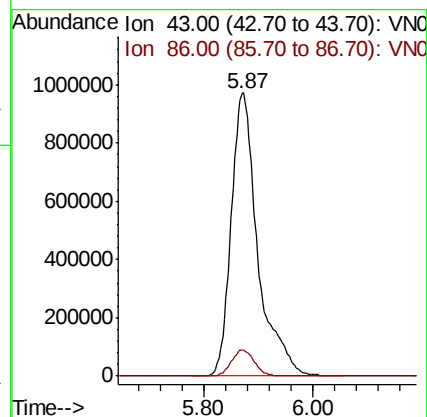
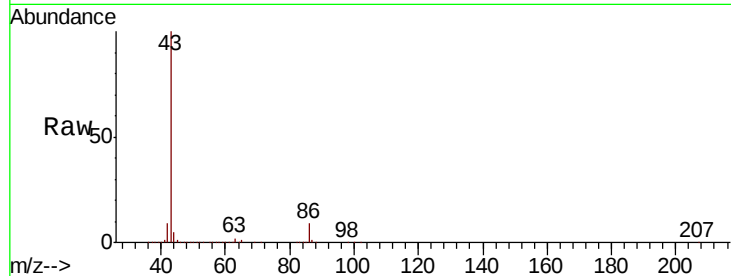
86 9.4 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.724 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

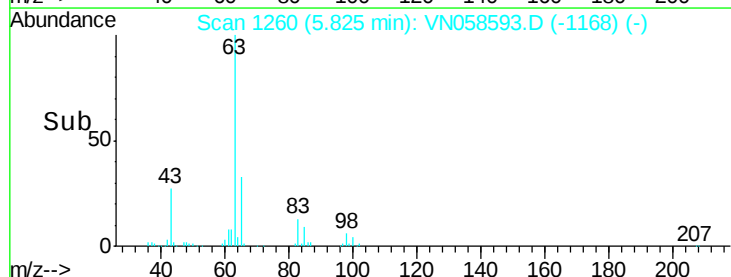
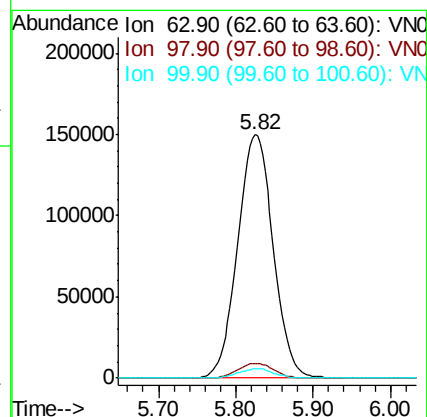
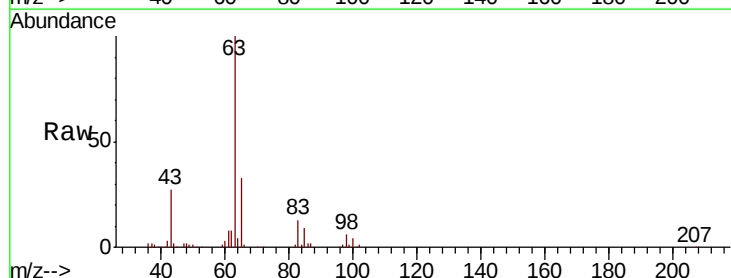
Tgt Ion: 63 Resp: 477651

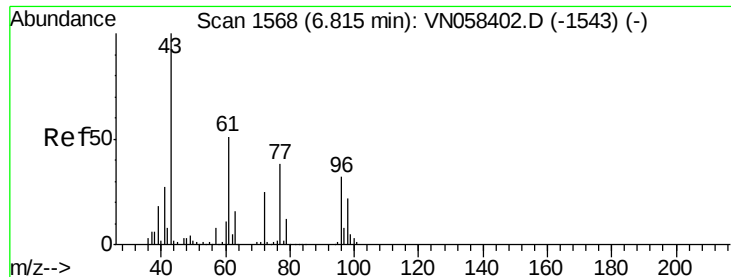
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 258.813 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 43 Resp: 786236

Ion Ratio Lower Upper

43 100

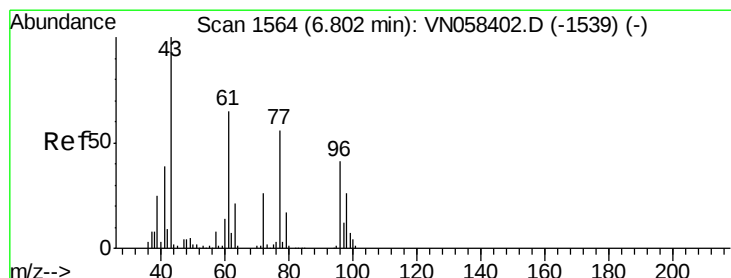
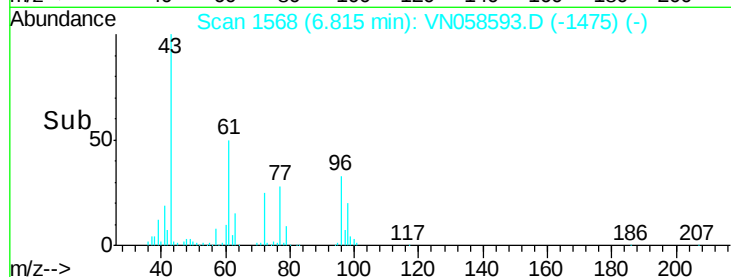
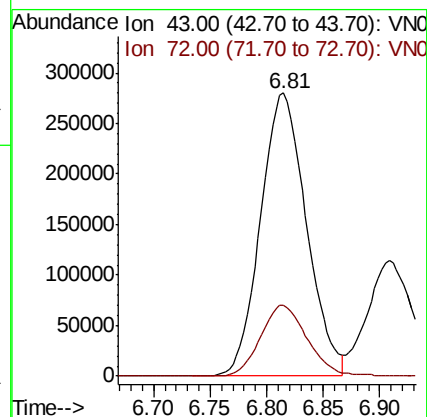
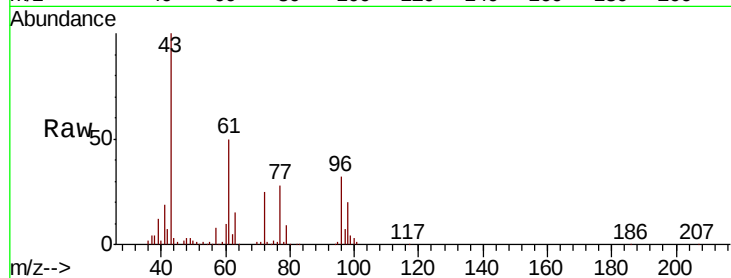
72 25.0 20.2 30.4

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#26

2,2-Dichloropropane

Concen: 39.167 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058593.D

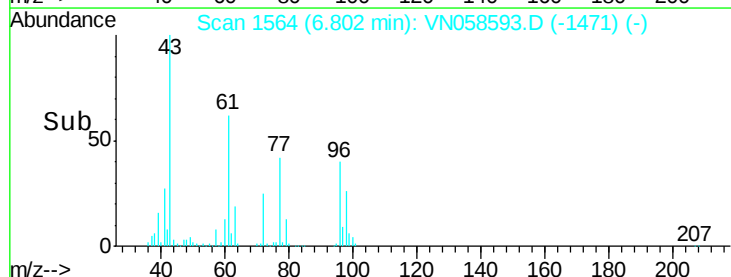
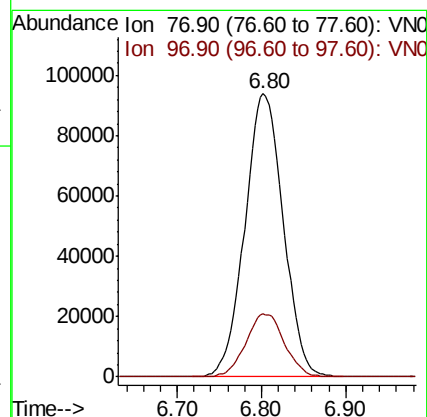
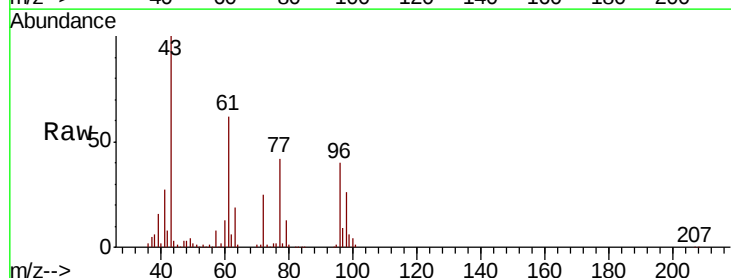
Acq: 8 Oct 2019 1:14

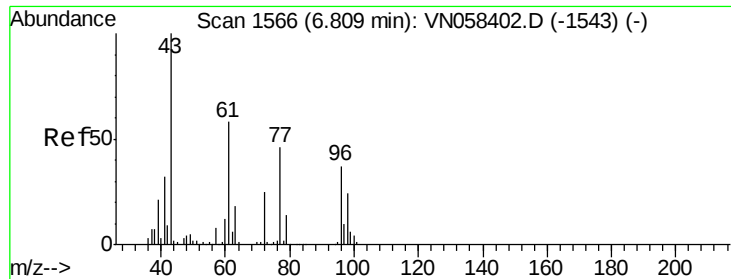
Tgt Ion: 77 Resp: 297357

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.811 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

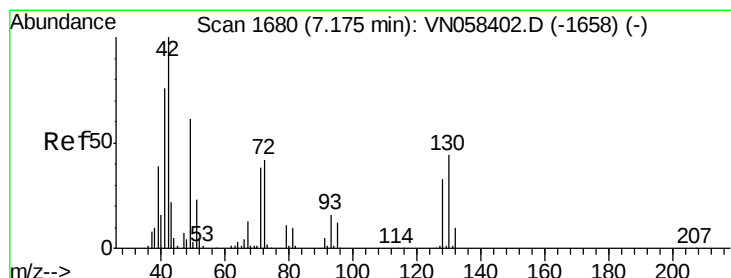
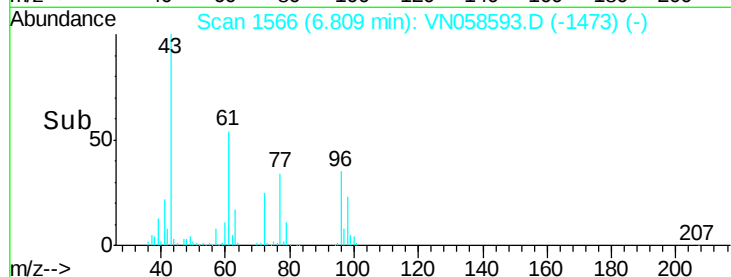
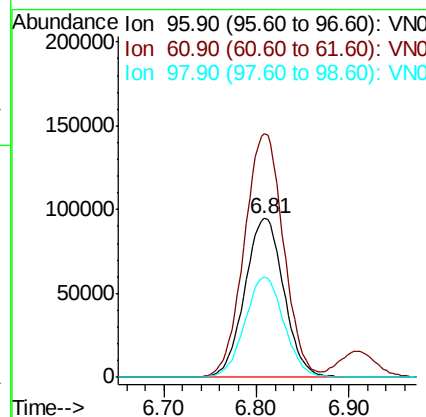
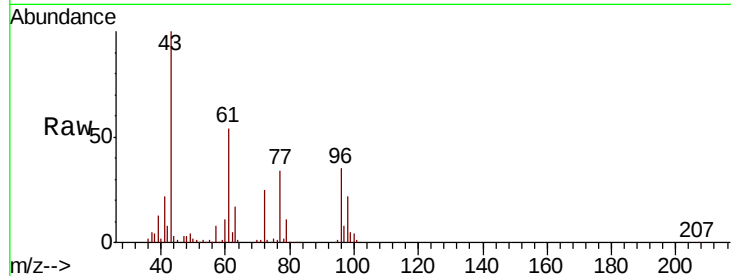
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	96	Resp:	276697
Ion Ratio	Lower	Upper	
96	100		
61	154.4	0.0	318.8
98	63.4	0.0	129.8

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#28

Bromochloromethane

Concen: 52.437 ug/l

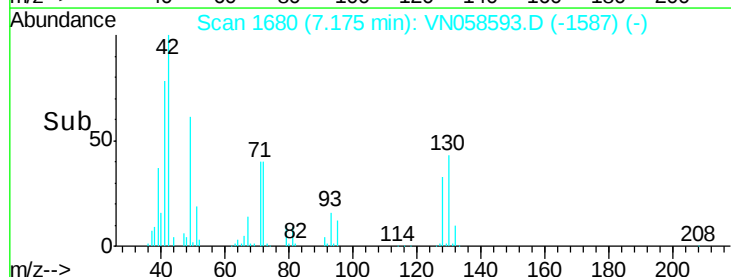
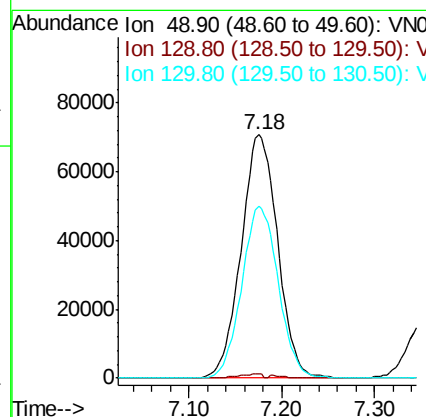
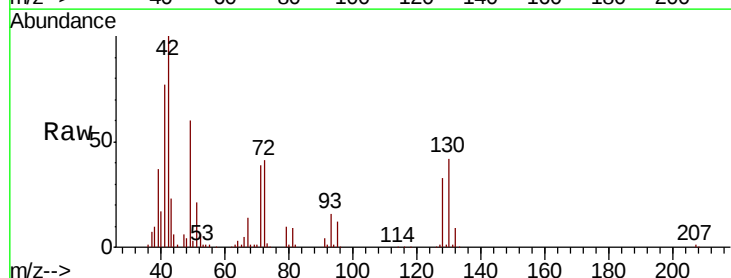
RT: 7.18 min Scan# 1680

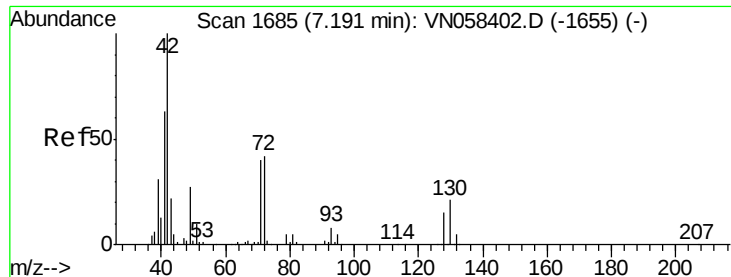
Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	49	Resp:	193566
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.4
130	70.6	56.3	84.5





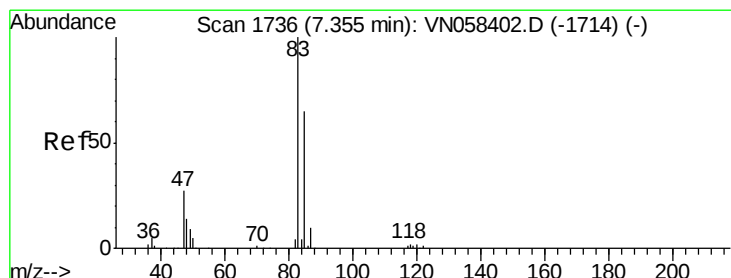
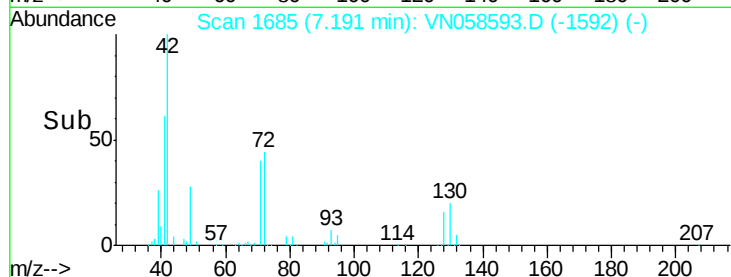
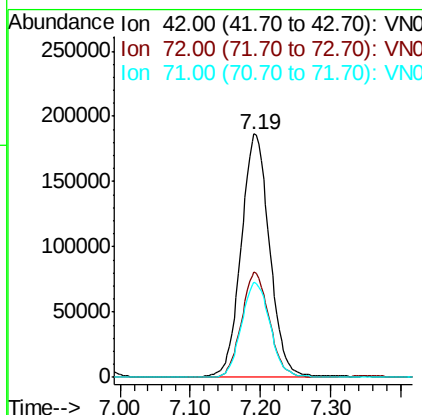
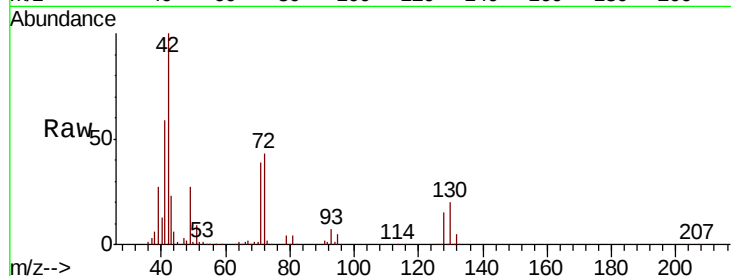
#29
Tetrahydrofuran
Concen: 270.894 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	39.0	31.8	47.6

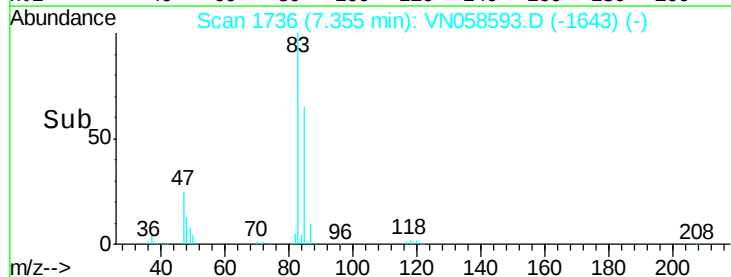
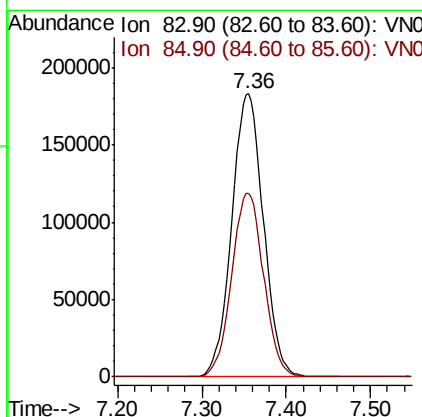
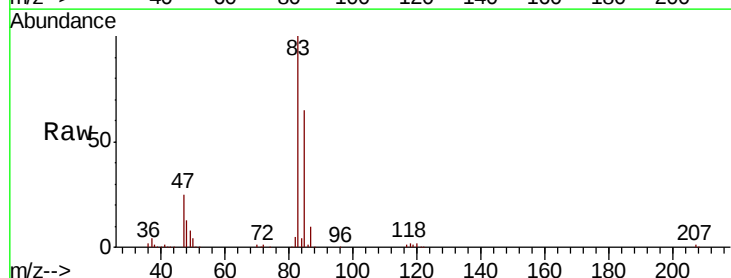
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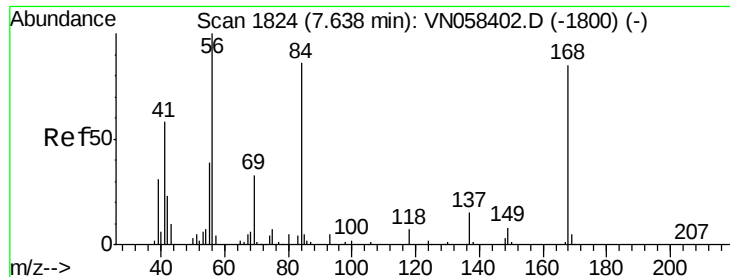
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#30
Chloroform
Concen: 51.123 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





#31

Cyclohexane

Concen: 44.792 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

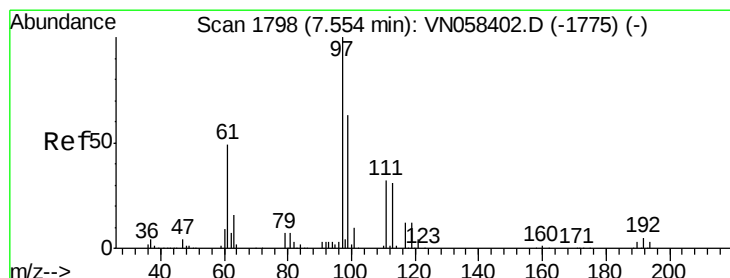
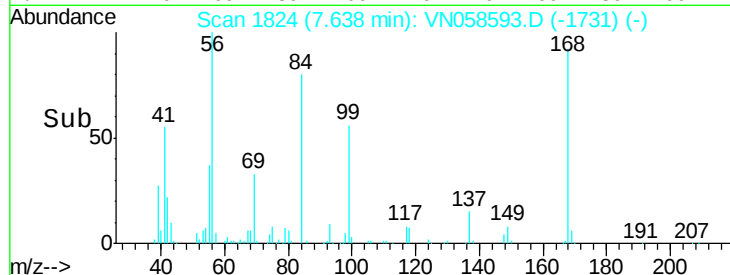
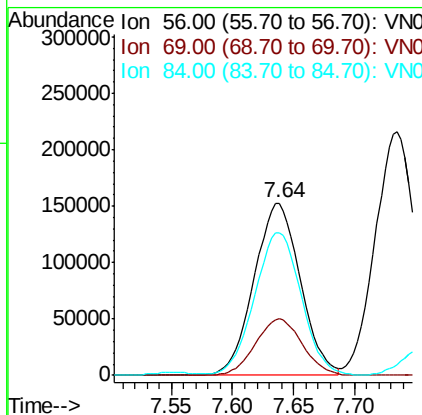
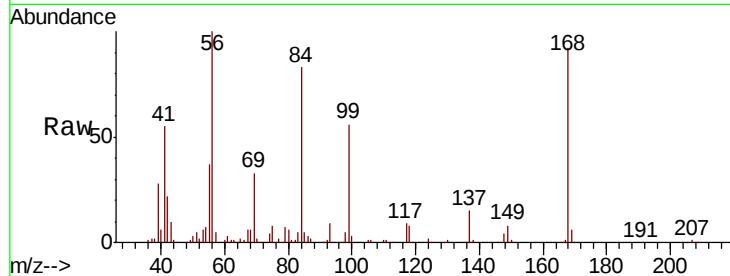
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	56	Resp:	402360
Ion Ratio	Lower	Upper	
56	100		
69	32.7	26.2	39.4
84	81.7	67.6	101.4

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#32

1,1,1-Trichloroethane

Concen: 53.643 ug/l

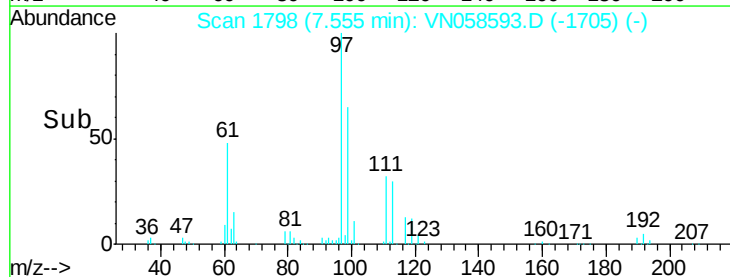
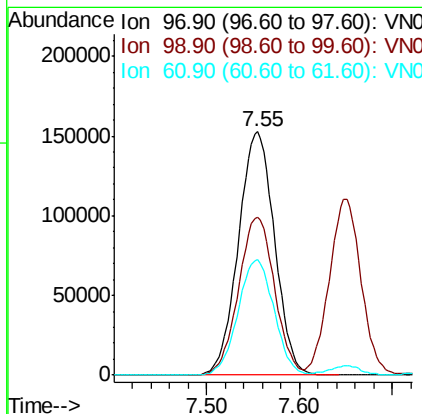
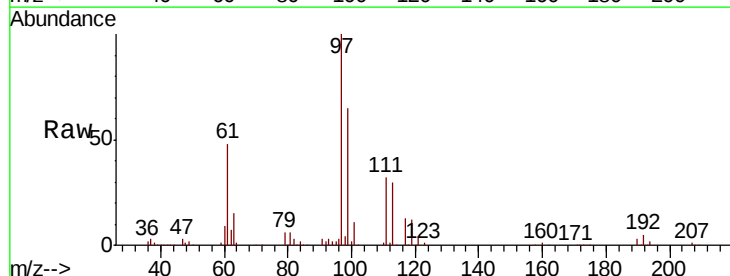
RT: 7.55 min Scan# 1798

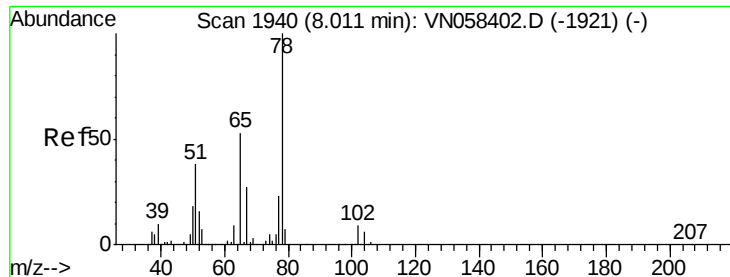
Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	97	Resp:	412224
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.1	76.7
61	47.5	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 47.973 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 65 Resp: 311379

Ion Ratio Lower Upper

65 100

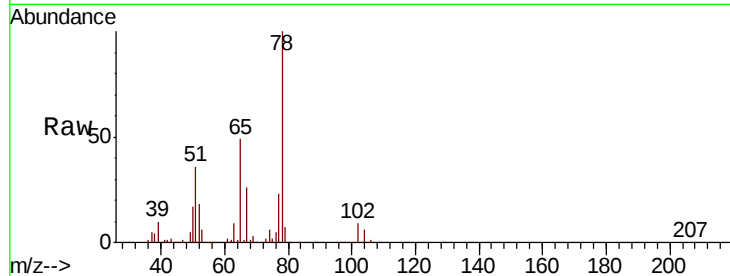
67 52.0 0.0 102.4

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

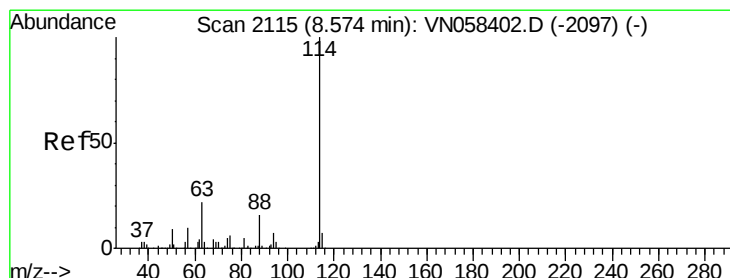
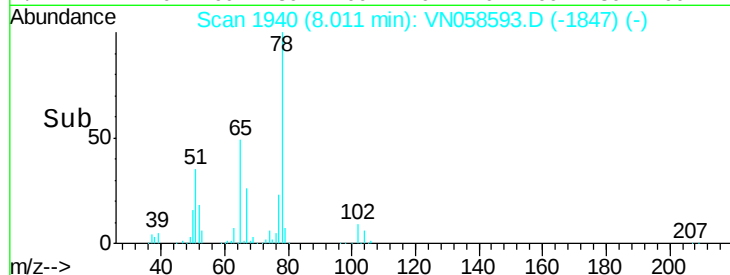
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

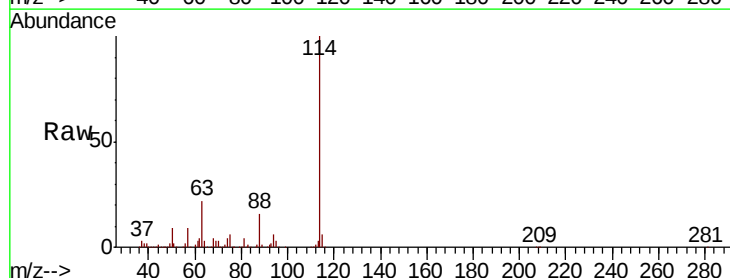
Tgt Ion: 114 Resp: 750825

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

500000

400000

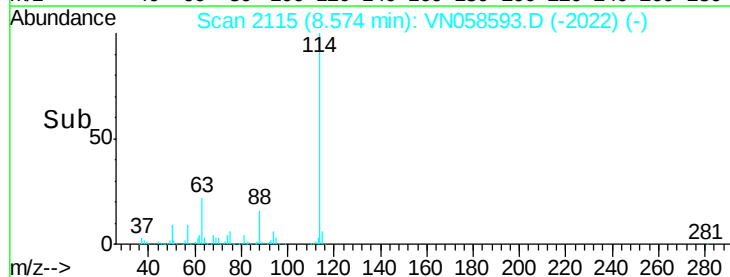
300000

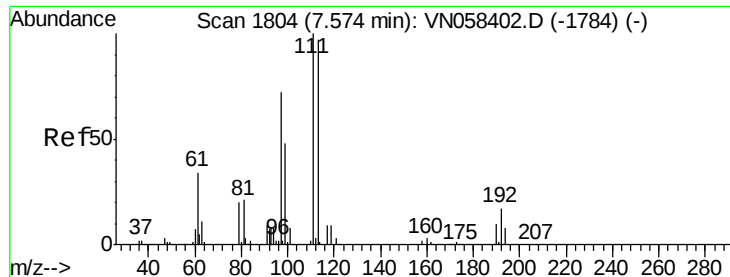
200000

100000

0

Time--> 8.50 8.60 8.70





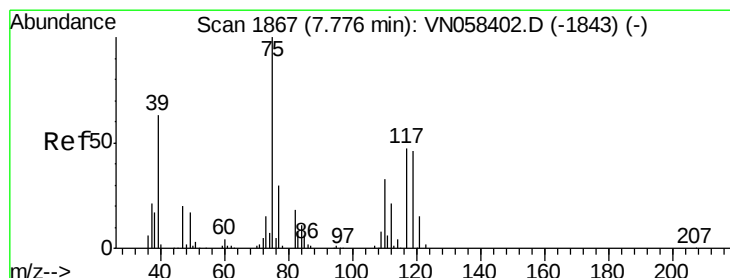
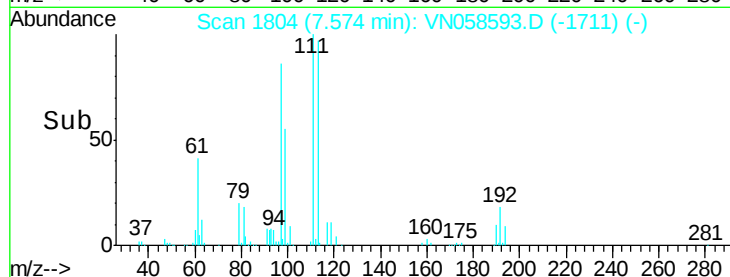
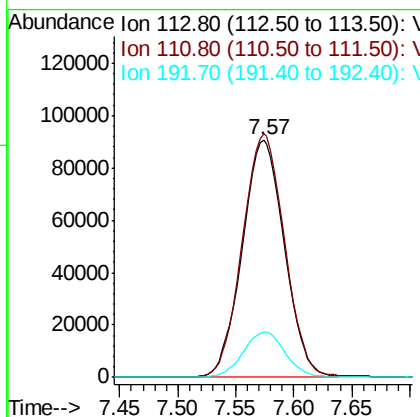
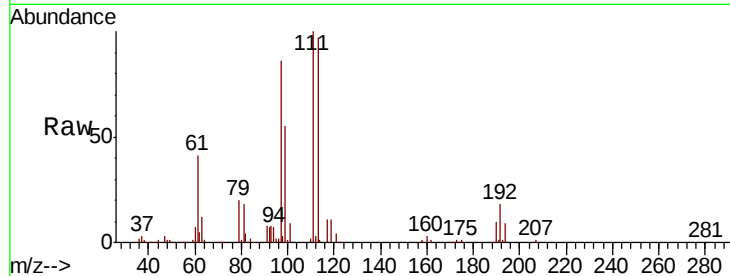
#35
 Dibromofluoromethane
 Concen: 49.905 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229649		
111	102.8	83.4	125.2	
192	19.1	14.9	22.3	

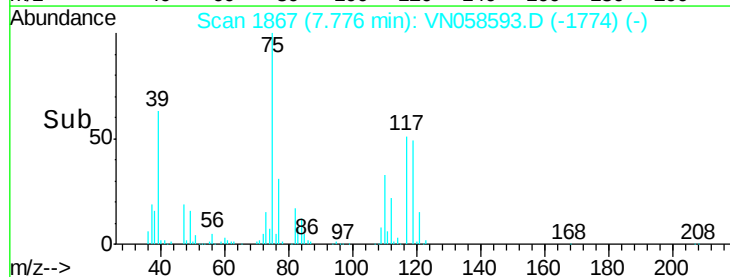
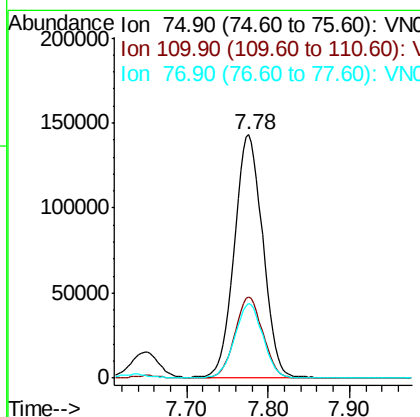
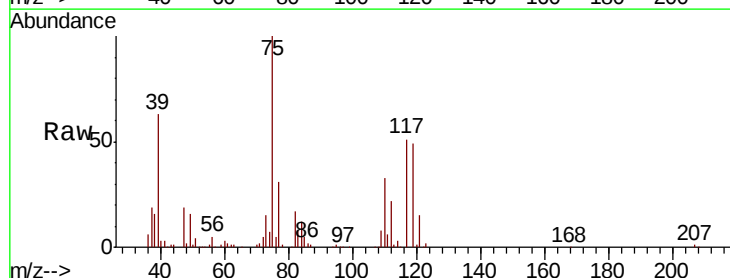
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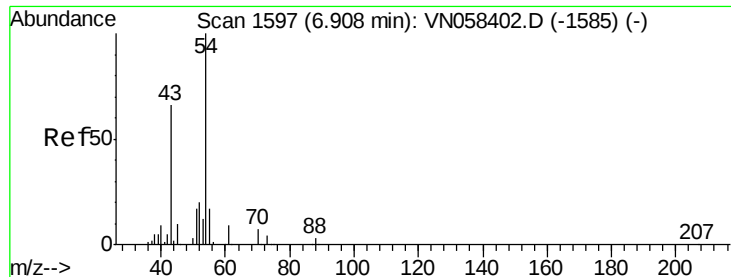
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#36
 1,1-Dichloropropene
 Concen: 48.447 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	347817		
110	32.6	16.4	49.2	
77	30.7	24.3	36.5	





#37

Ethyl Acetate

Concen: 52.252 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

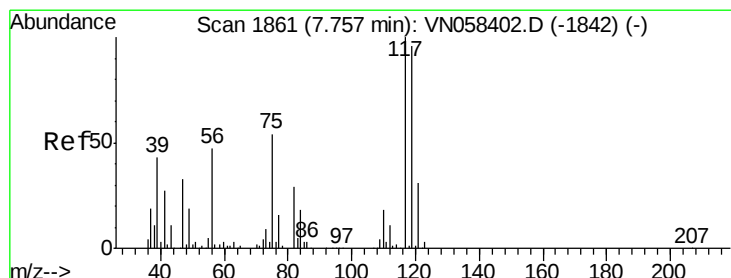
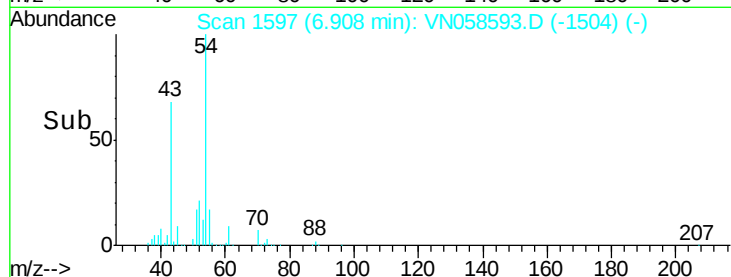
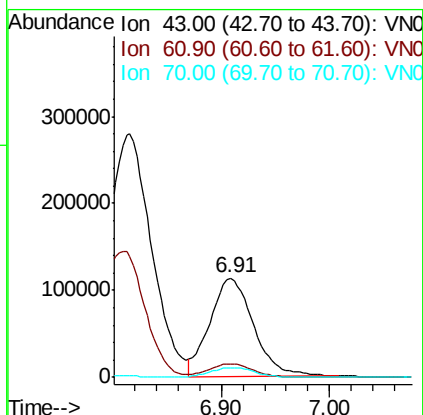
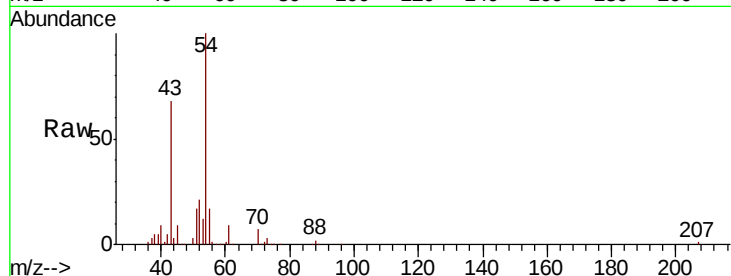
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	43	Resp:	318051
Ion Ratio	Lower	Upper	
43	100		
61	13.8	10.5	15.7
70	10.0	7.8	11.6

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#38

Carbon Tetrachloride

Concen: 54.132 ug/l

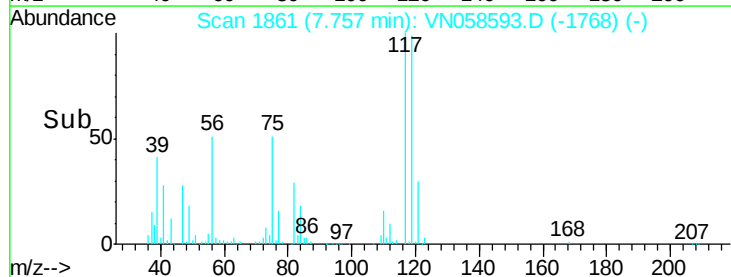
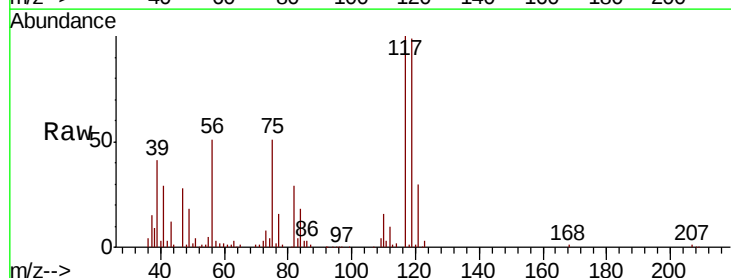
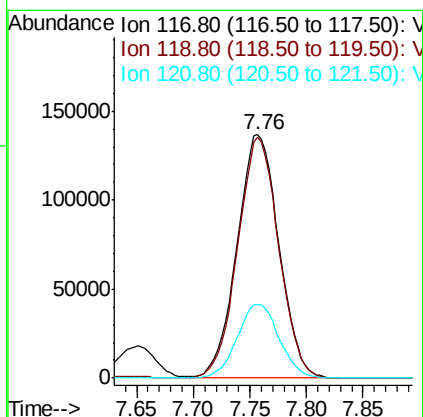
RT: 7.76 min Scan# 1861

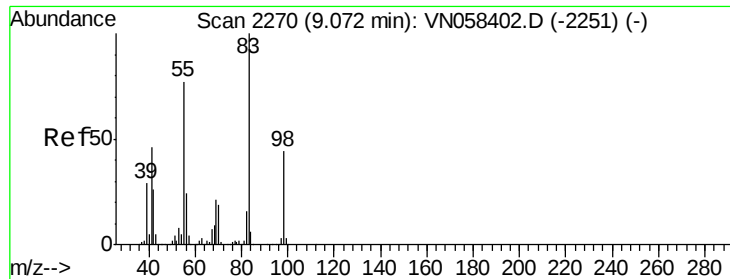
Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	117	Resp:	350796
Ion Ratio	Lower	Upper	
117	100		
119	99.2	76.6	115.0
121	30.4	24.7	37.1





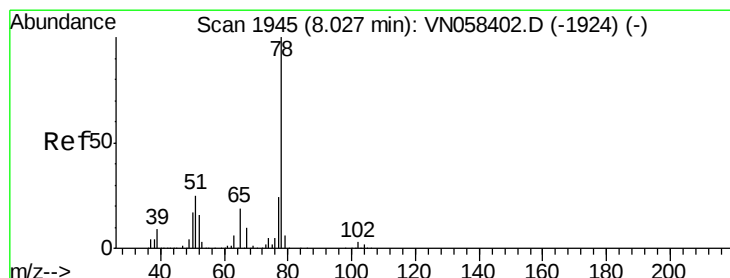
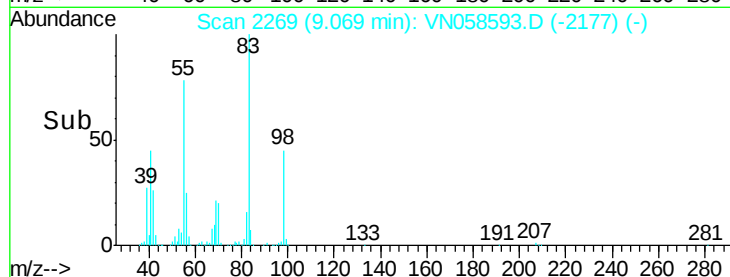
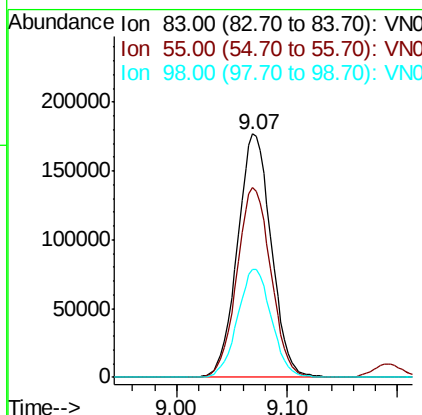
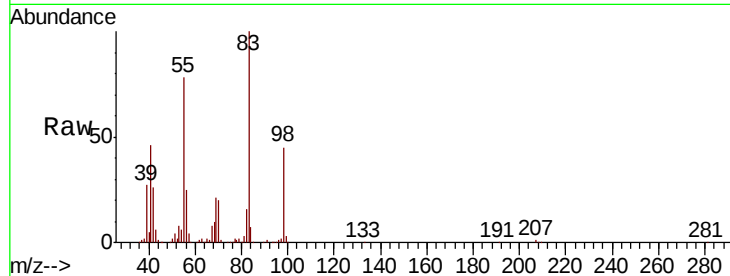
#39
Methvlcvclohexane
Concen: 44.759 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.8	92.6
98	44.5	35.4	53.0

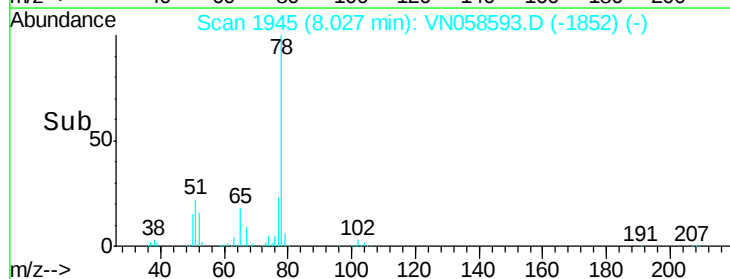
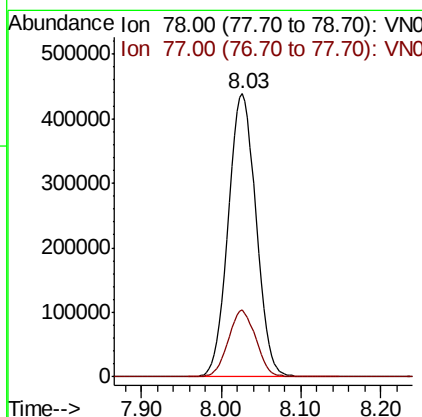
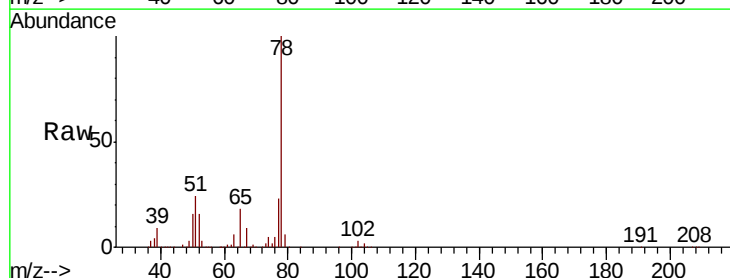
Manual Integrations
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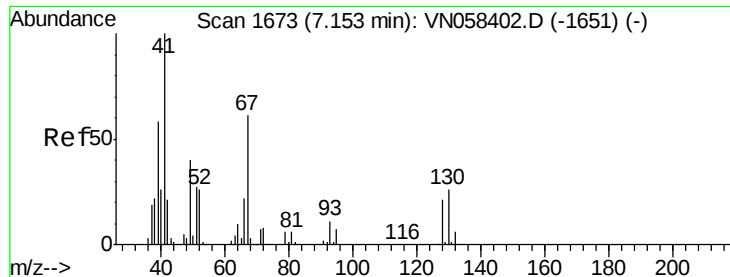
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#40
Benzene
Concen: 50.195 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





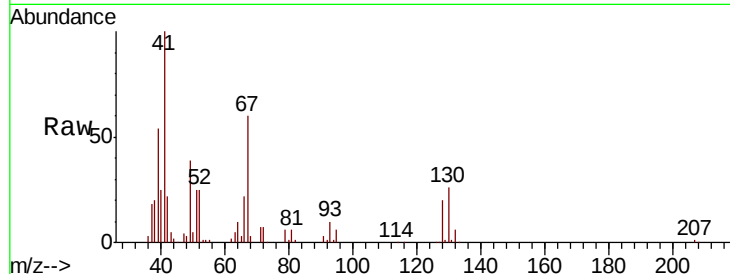
#41
Methacrylonitrile
Concen: 58.944 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

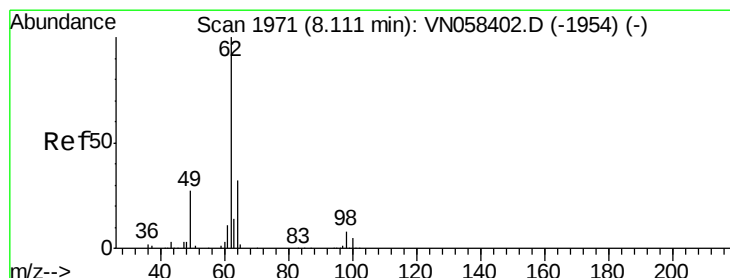
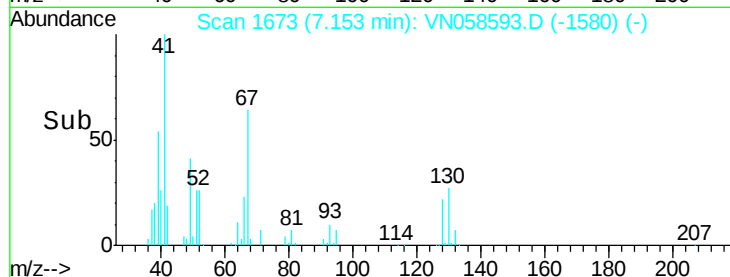
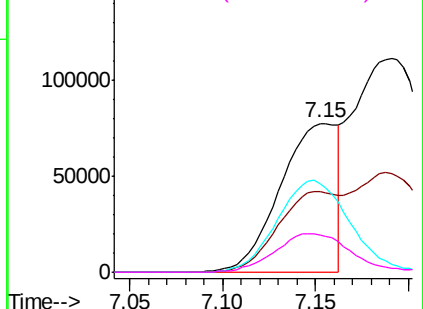
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.0	50.2	75.4	
67	79.5	70.2	105.4	
52	35.3	31.4	47.0	

Manual Integrations
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10/9/2019 10:50:58 AM

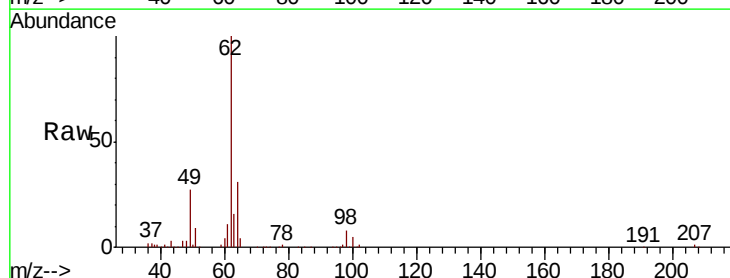


Abundance Ion 41.00 (40.70 to 41.70): VN058402.D (-1651) (-)
Ion 39.00 (38.70 to 39.70): VN058402.D (-1651) (-)
Ion 67.00 (66.70 to 67.70): VN058402.D (-1651) (-)
Ion 52.00 (51.70 to 52.70): VN058402.D (-1651) (-)

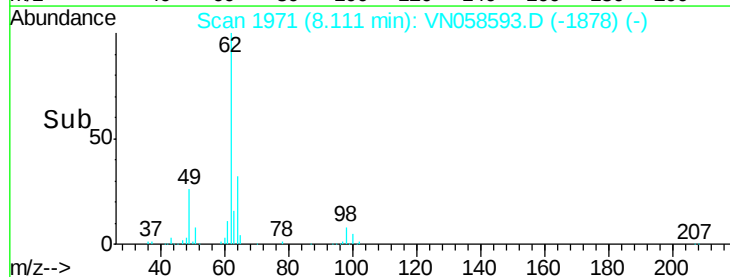
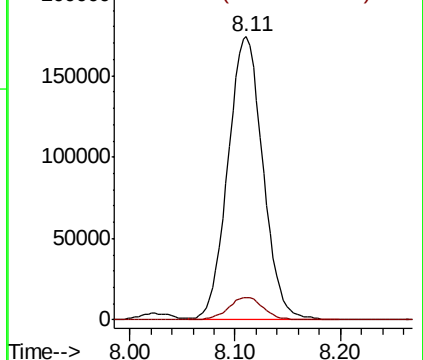


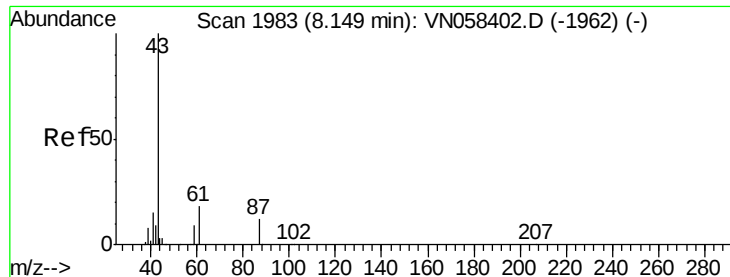
#42
1,2-Dichloroethane
Concen: 49.735 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.6	



Abundance Ion 61.90 (61.60 to 62.60): VN058402.D (-1954) (-)
Ion 97.90 (97.60 to 98.60): VN058402.D (-1954) (-)





#43

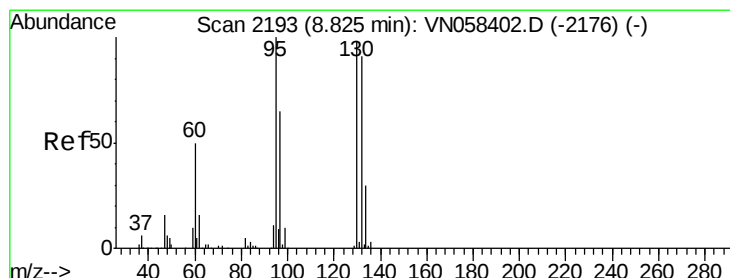
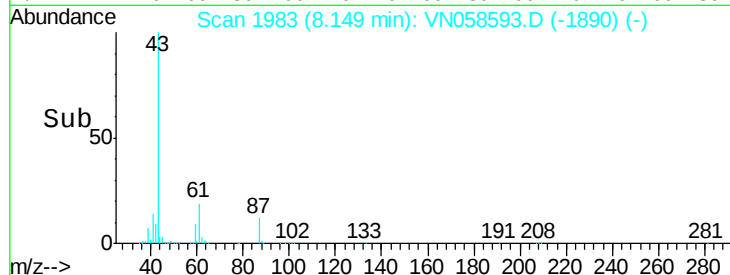
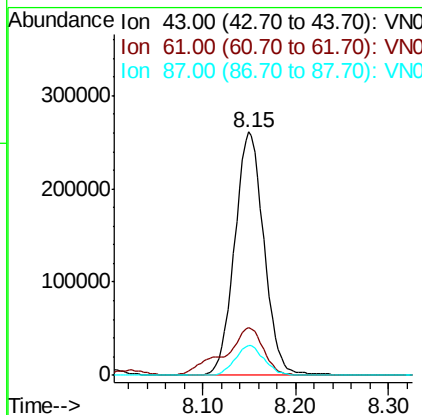
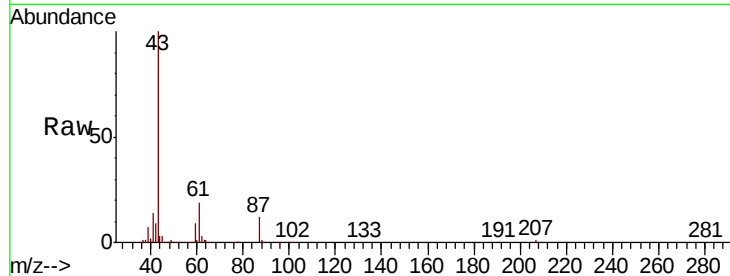
Isopropyl Acetate
 Concen: 49.606 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	14.8	22.2#
87	12.4	9.7	14.5

Manual Integrations
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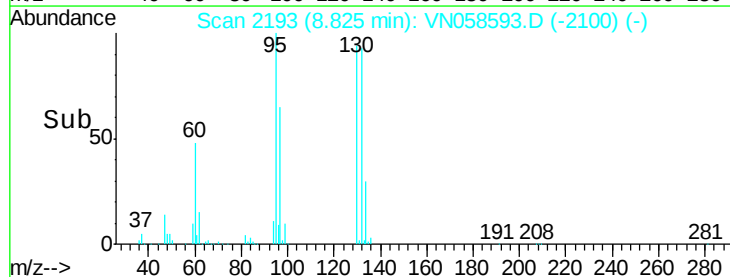
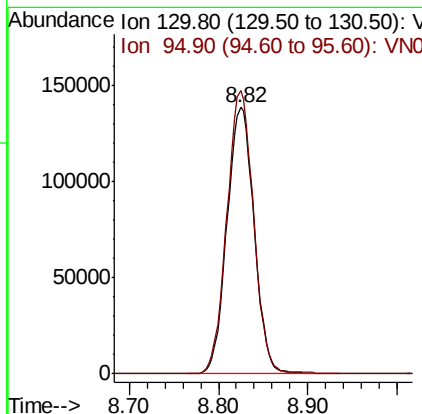
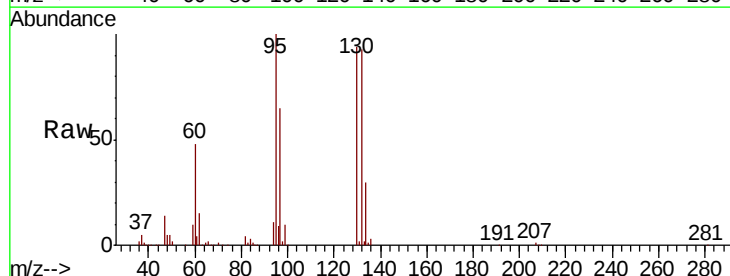
MMDadoda
 10/9/2019 10:50:58 AM

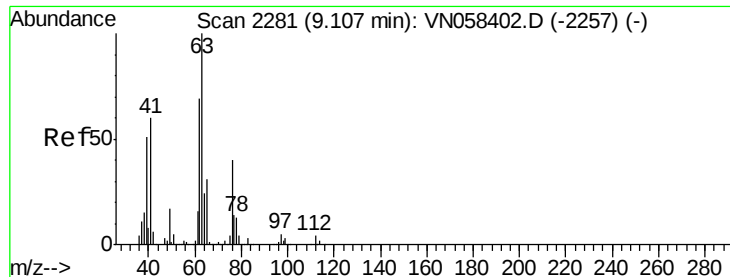


#44

Trichloroethene
 Concen: 57.355 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	204.2





#45

1,2-Dichloropropane

Concen: 51.772 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 63 Resp: 286541

Ion Ratio Lower Upper

63 100

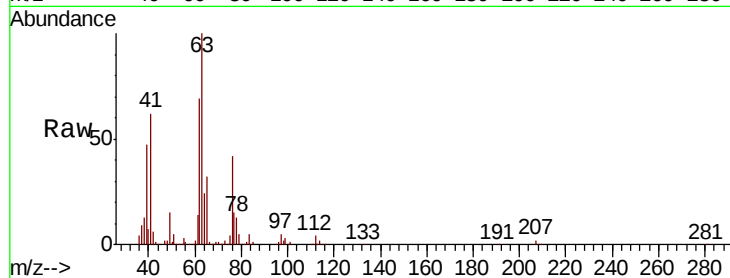
65 31.6 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

150000

100000

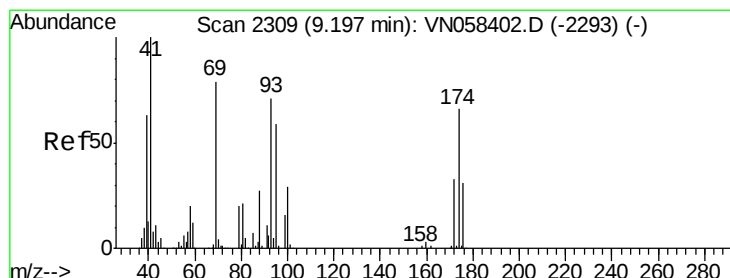
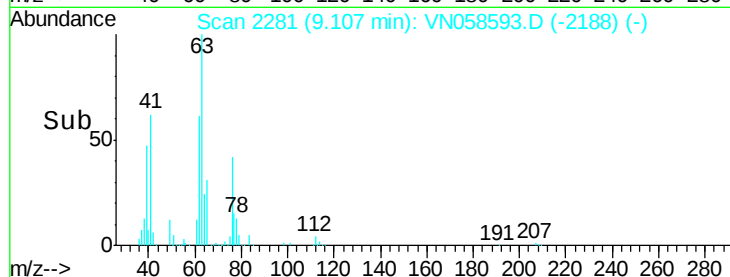
50000

0

9.11

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.933 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

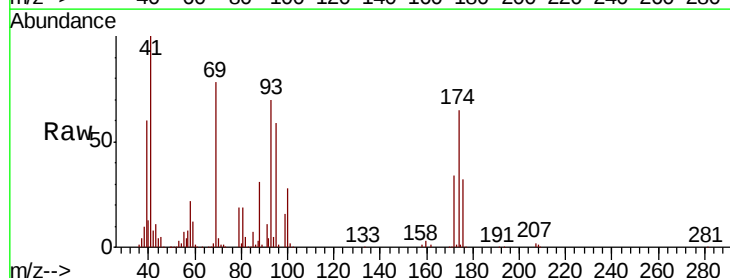
Tgt Ion: 93 Resp: 178522

Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

174 94.7 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

120000

100000

80000

60000

40000

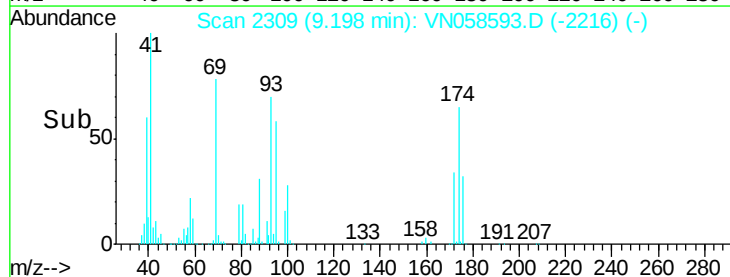
20000

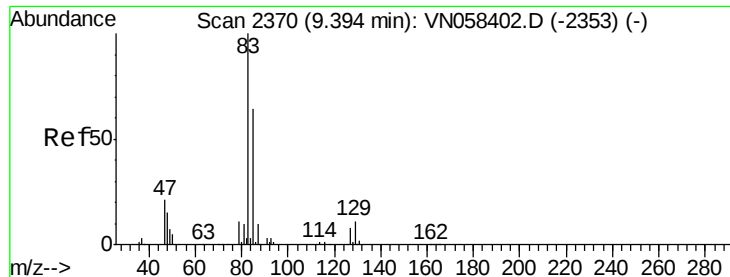
0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 56.777 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

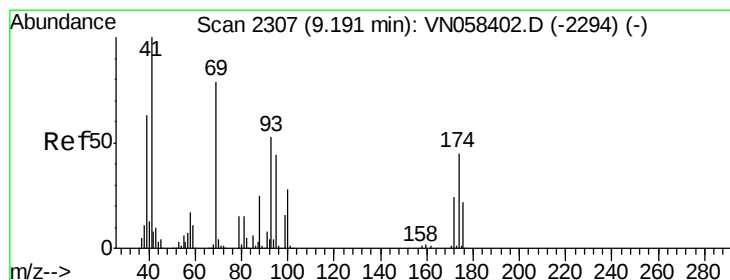
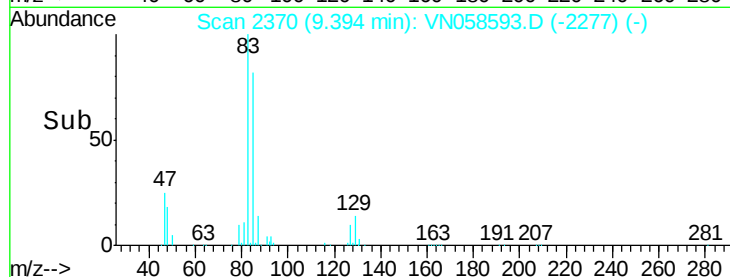
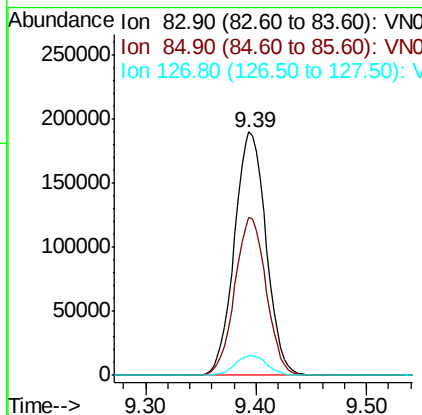
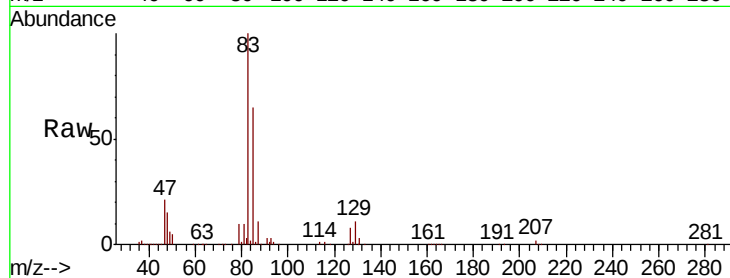
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	83	Resp:	377049
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.1	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.356 ug/l

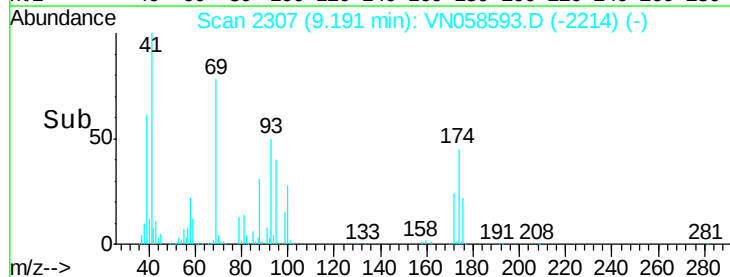
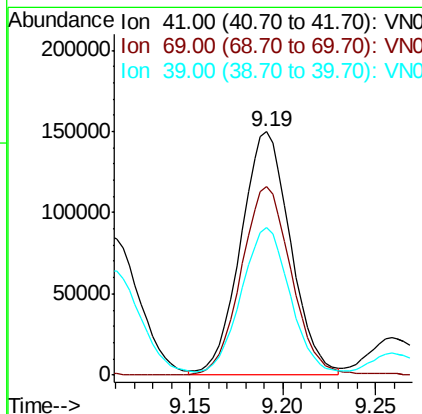
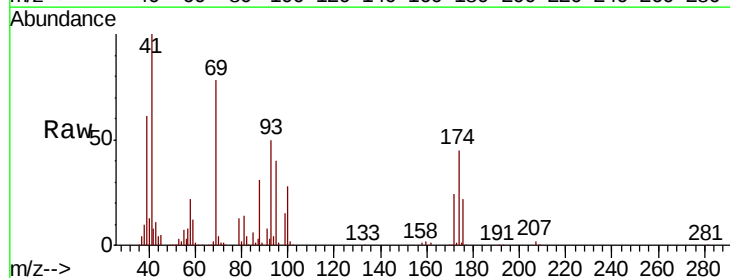
RT: 9.19 min Scan# 2307

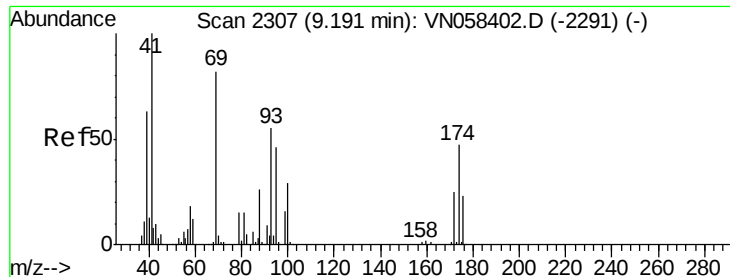
Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	41	Resp:	278091
Ion Ratio	Lower	Upper	
41	100		
69	78.3	64.7	97.1
39	60.1	52.9	79.3





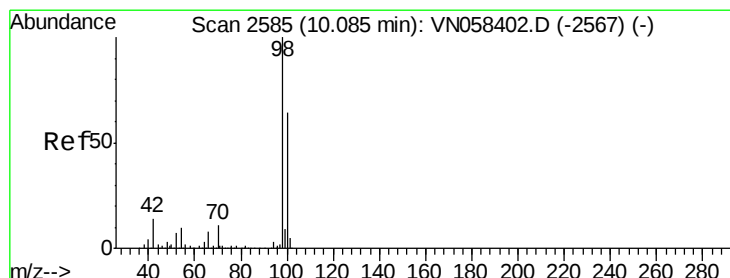
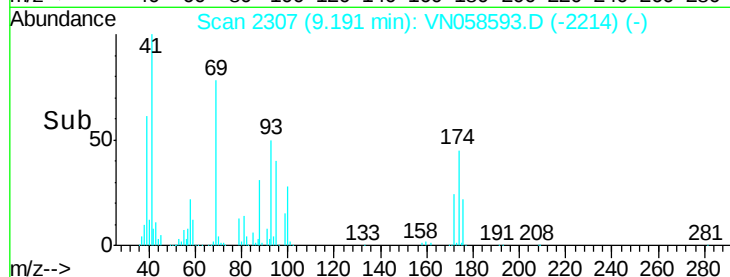
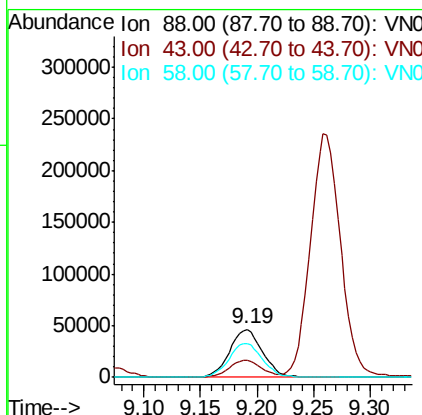
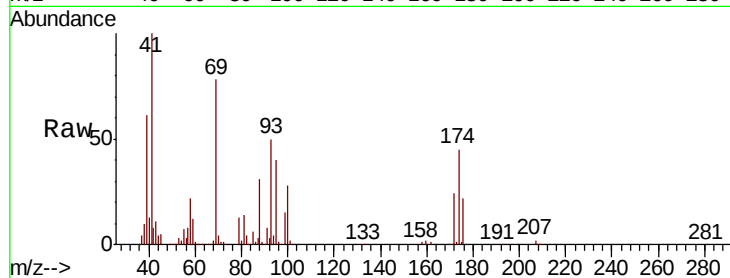
#49
1,4-Dioxane
Concen: 1356.175 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	88	Resp	94513
Ion Ratio	100	Lower	Upper
88	100		
43	34.5	31.1	46.7
58	71.4	58.1	87.1

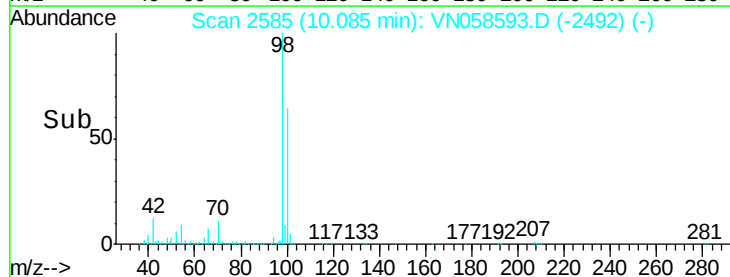
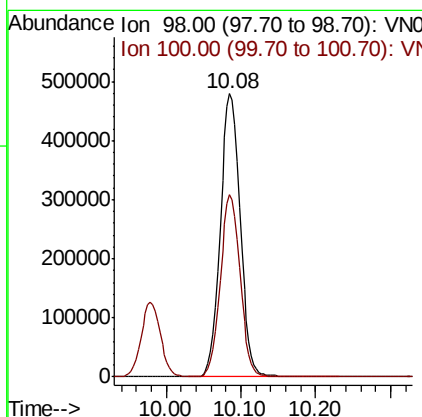
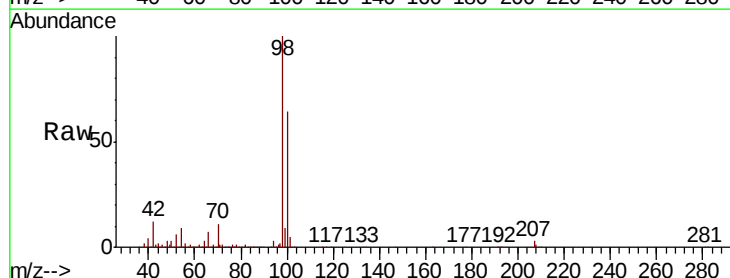
Manual Integrations
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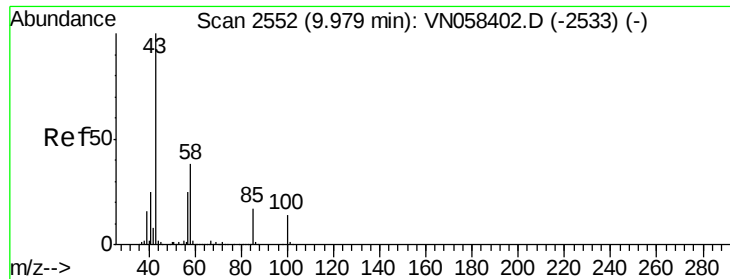
MMDadoda
10/9/2019 10:50:58 AM



#50
Toluene-d8
Concen: 48.777 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	98	Resp	879299
Ion Ratio	100	Lower	Upper
98	100		
100	63.9	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 290.128 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 43 Resp: 1705805

Ion Ratio Lower Upper

43 100

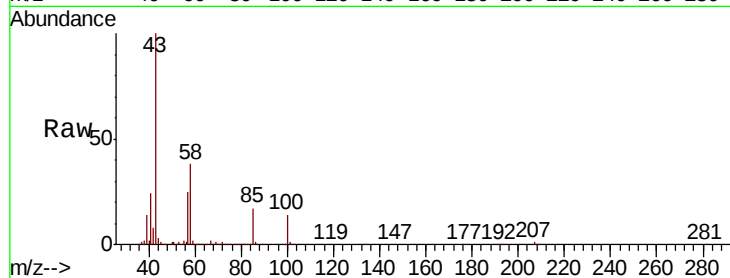
58 37.9 30.2 45.2

Manual Integrations

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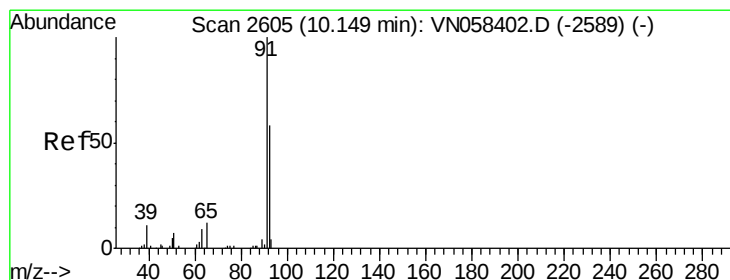
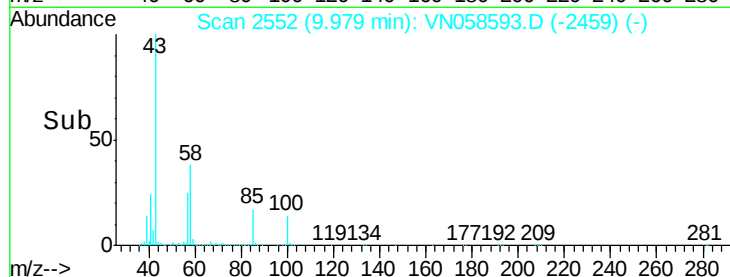
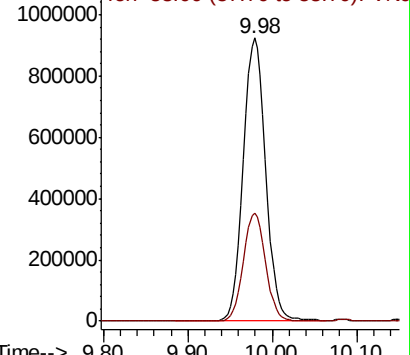
MMDadoda

10/9/2019 10:50:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.308 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058593.D

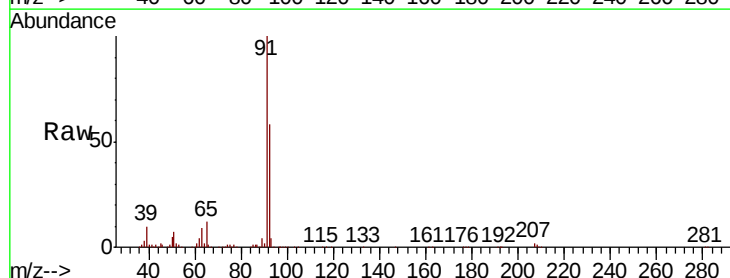
Acq: 8 Oct 2019 1:14

Tgt Ion: 92 Resp: 640481

Ion Ratio Lower Upper

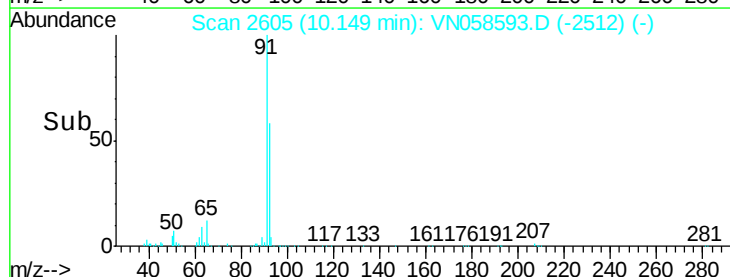
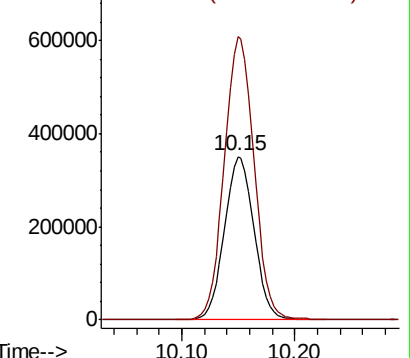
92 100

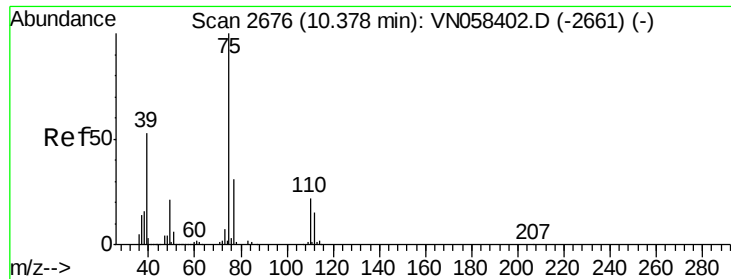
91 174.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





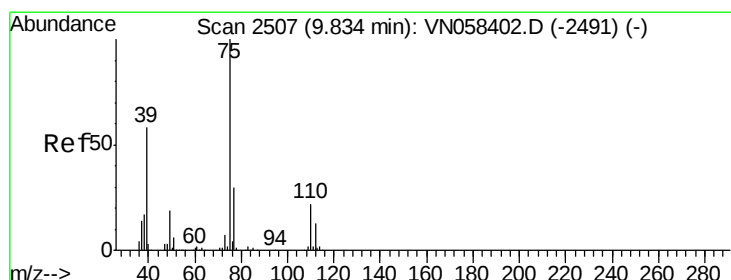
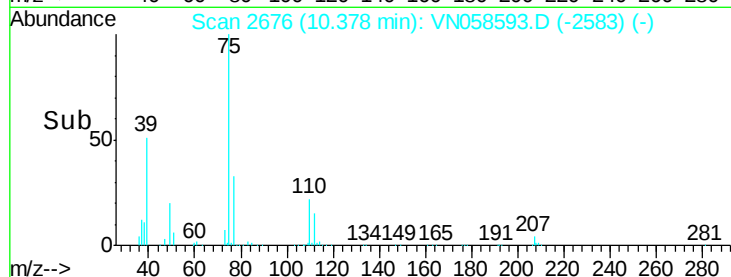
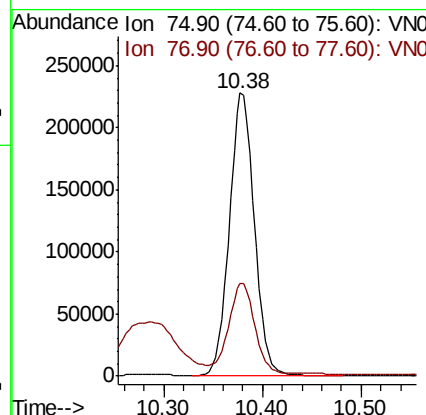
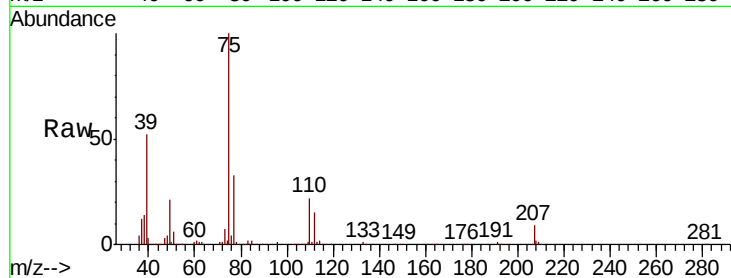
#53
t-1,3-Dichloropropene
Concen: 55.737 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8

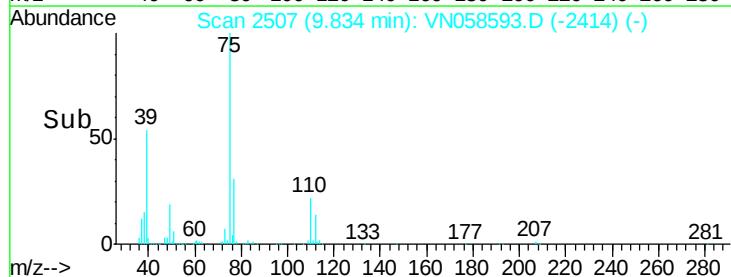
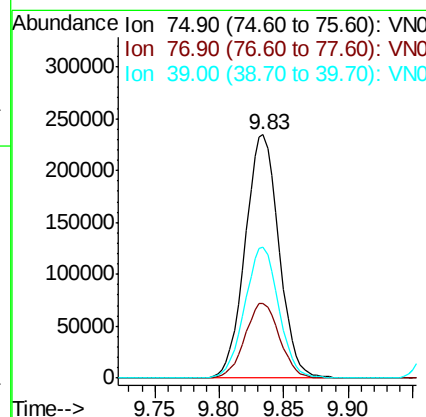
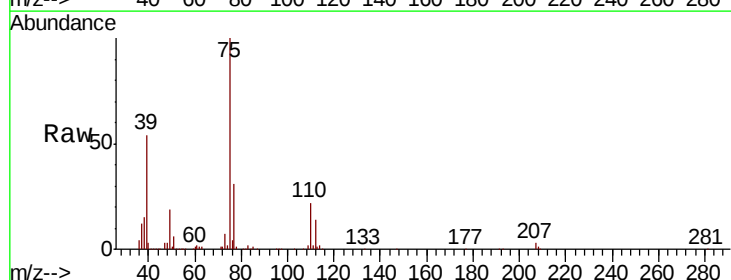
Manual Integrations
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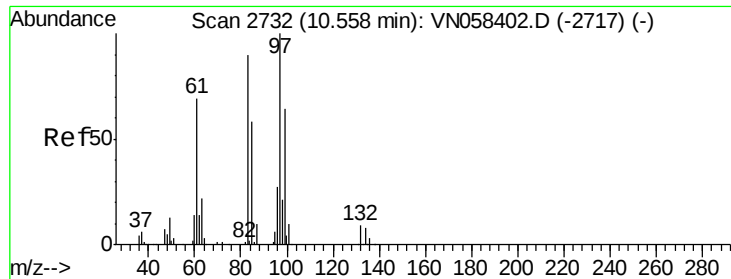
MMDadoda
10/9/2019 10:50:58 AM



#54
cis-1,3-Dichloropropene
Concen: 53.341 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.2	36.4
39	53.8	46.4	69.6





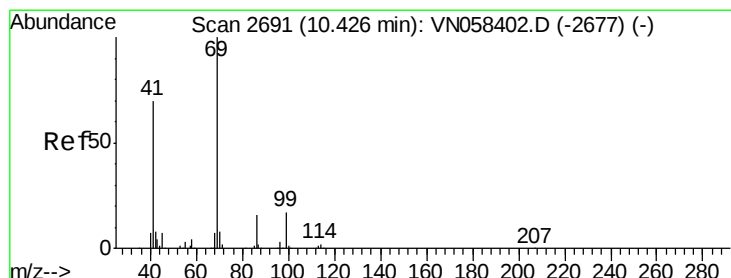
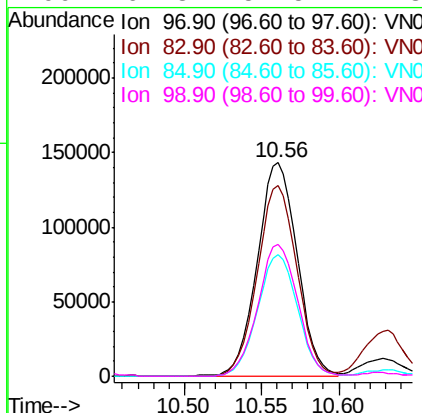
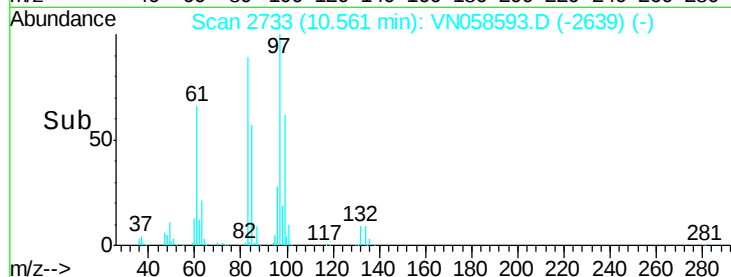
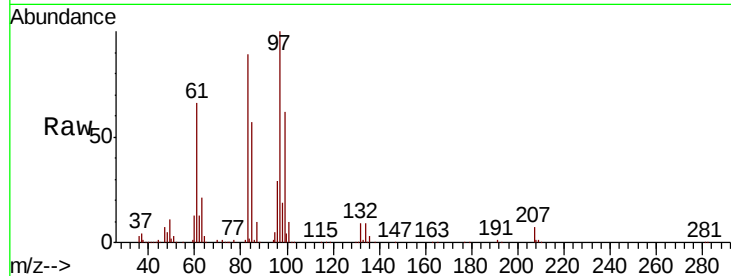
#55
 1,1,2-Trichloroethane
 Concen: 54.405 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion:	97	Resp:	257318
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.8	107.6
85	56.9	46.6	69.8
99	61.8	51.5	77.3

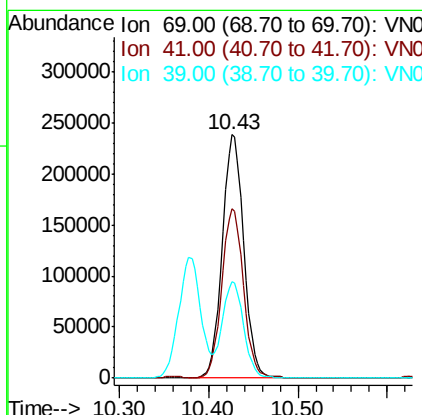
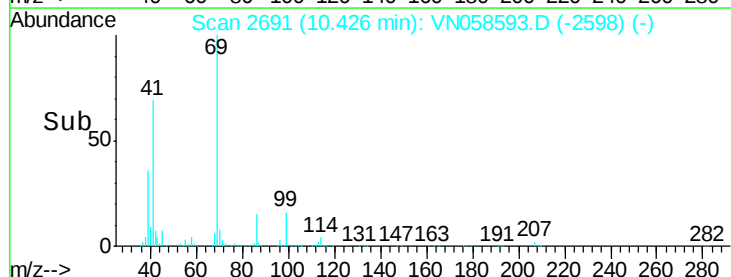
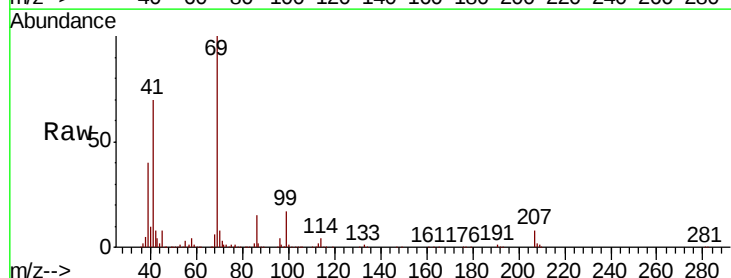
Manual Integrations
 APPROVED

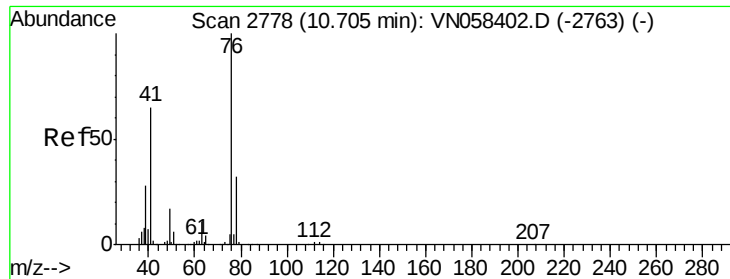
MMDadoda
 10/9/2019 10:50:58 AM



#56
 Ethyl methacrylate
 Concen: 55.362 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion:	69	Resp:	397327
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.3	84.5
39	39.5	35.8	53.6





#57

1,3-Dichloropropane

Concen: 53.100 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 76 Resp: 447972

Ion Ratio Lower Upper

76 100

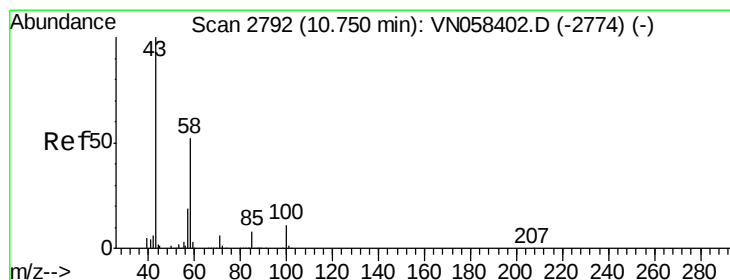
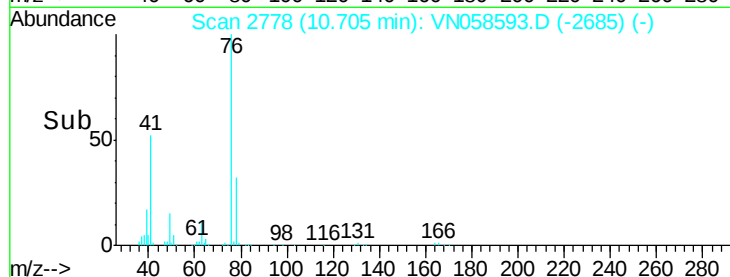
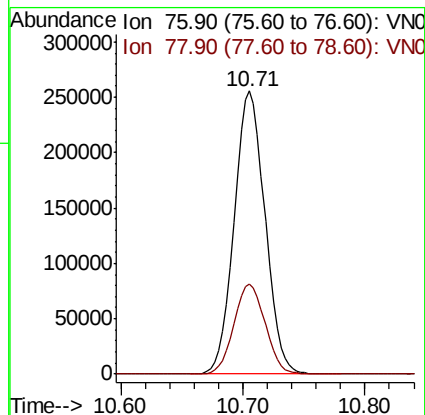
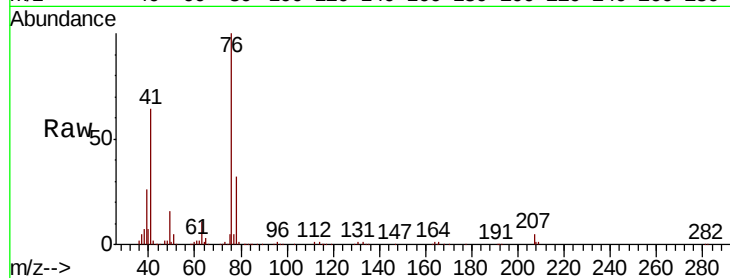
78 32.4 25.7 38.5

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#59

2-Hexanone

Concen: 287.823 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058593.D

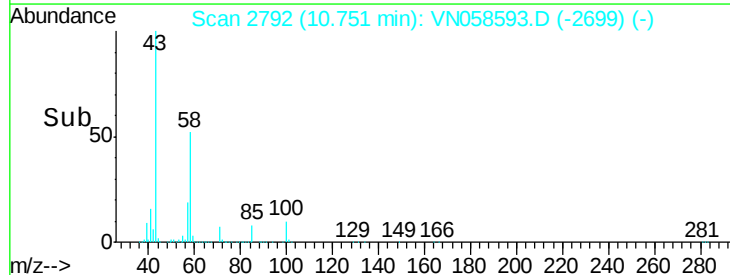
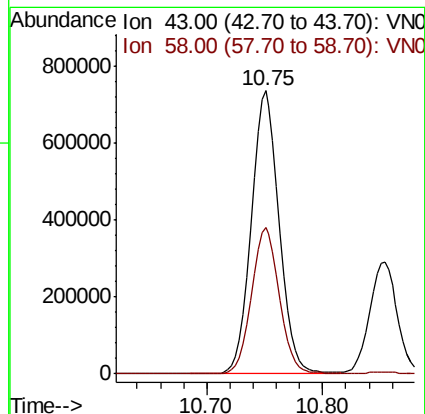
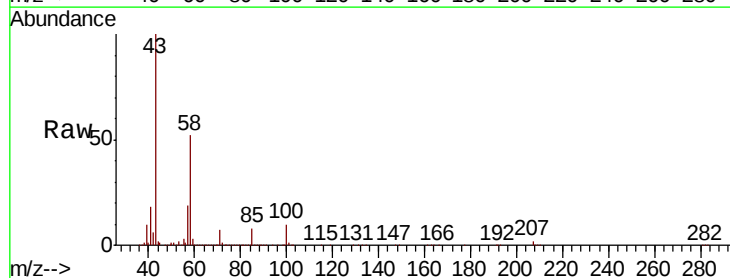
Acq: 8 Oct 2019 1:14

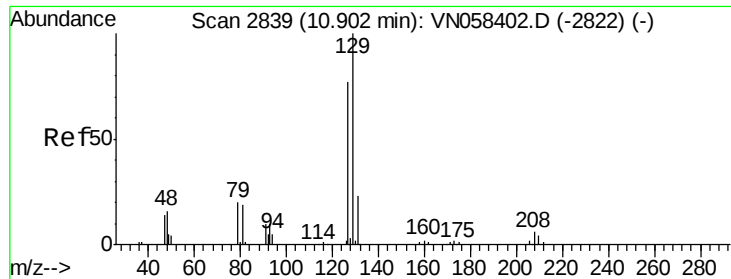
Tgt Ion: 43 Resp: 1232218

Ion Ratio Lower Upper

43 100

58 51.8 25.8 77.3





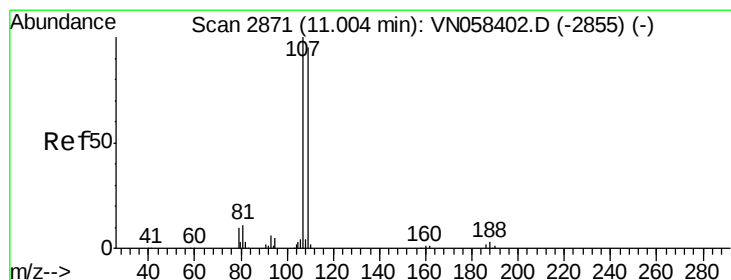
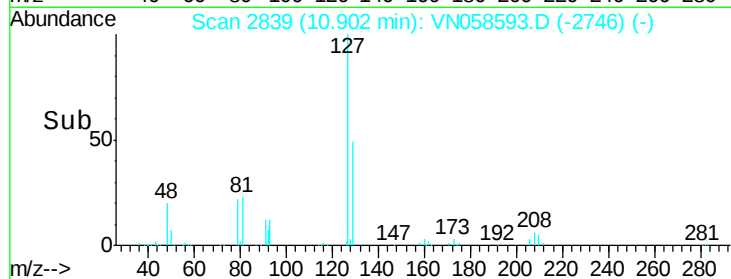
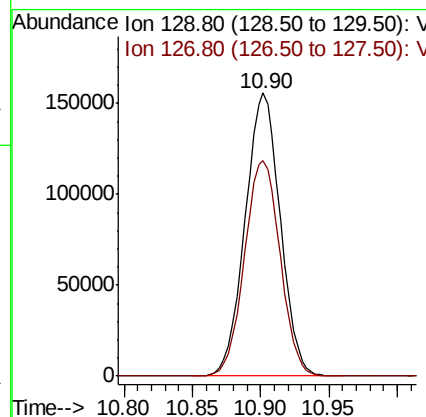
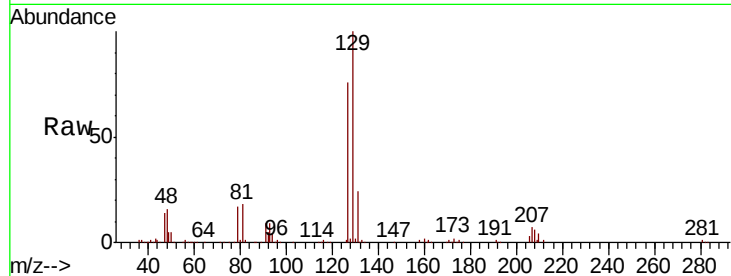
#60
 Dibromochloromethane
 Concen: 56.975 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion:129 Resp: 278672
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.3 114.8

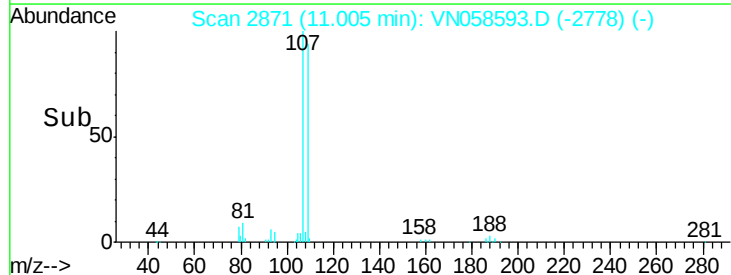
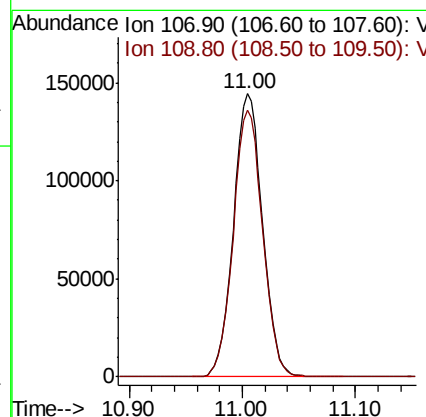
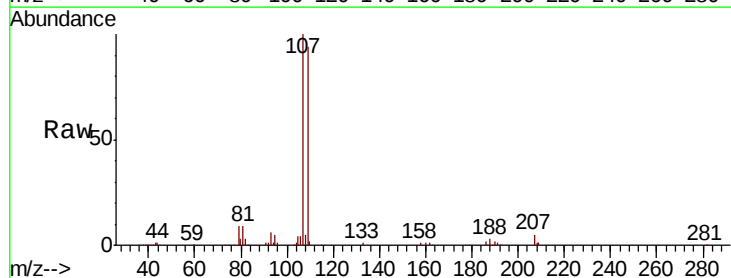
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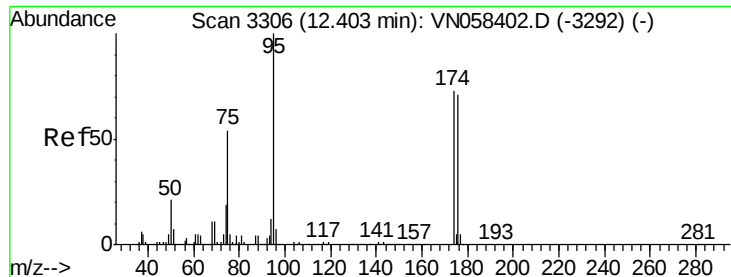
MMDadoda
 10/9/2019 10:50:58 AM



#61
 1,2-Dibromoethane
 Concen: 53.306 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion:107 Resp: 257615
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.3 112.9





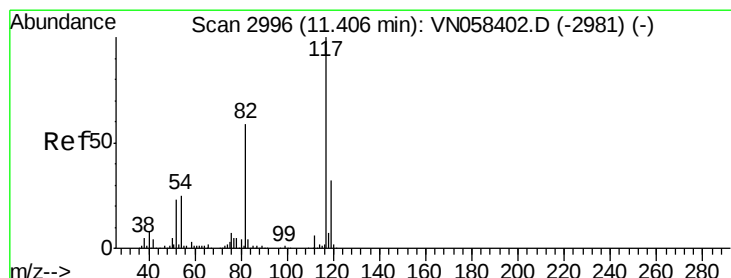
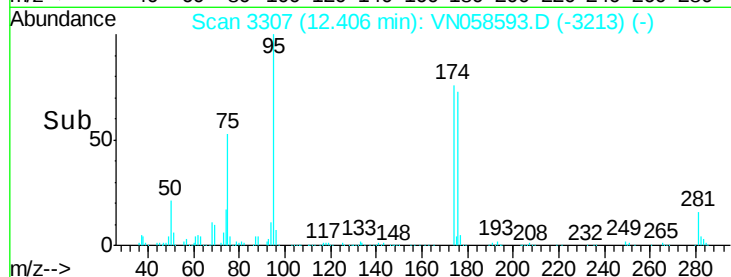
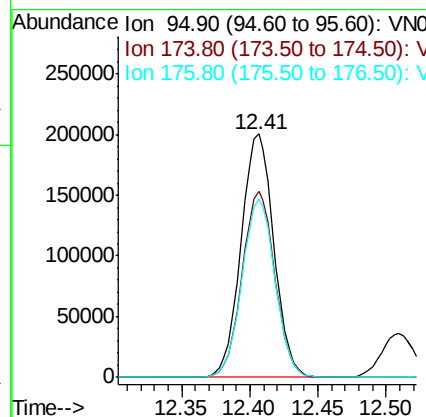
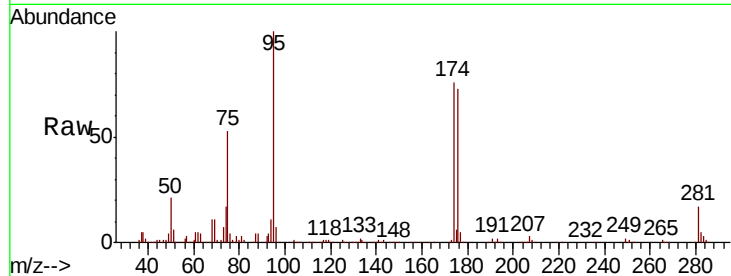
#62
4-Bromofluorobenzene
Concen: 51.255 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
174	76.5	0.0	150.6	
176	73.9	0.0	146.2	

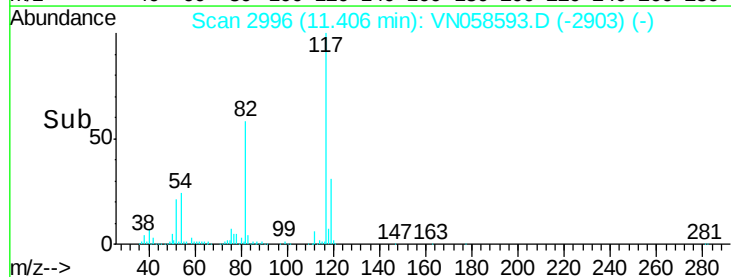
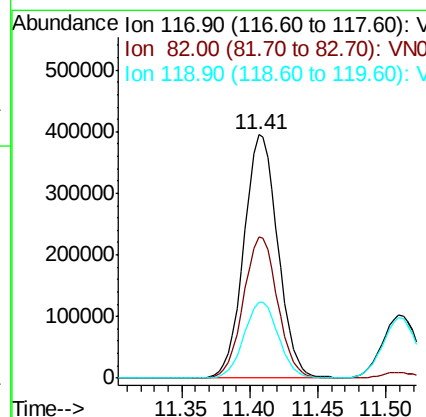
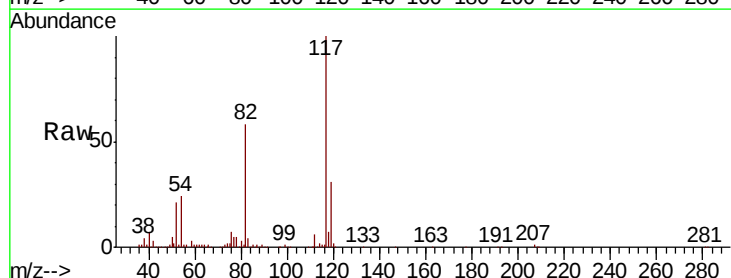
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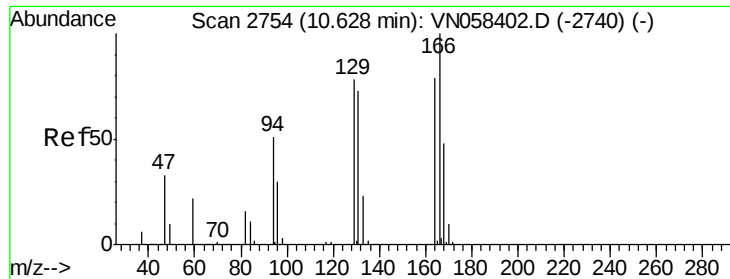
MMDadoda
10/9/2019 10:50:58 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
82	57.7	47.4	71.0	
119	31.2	25.5	38.3	





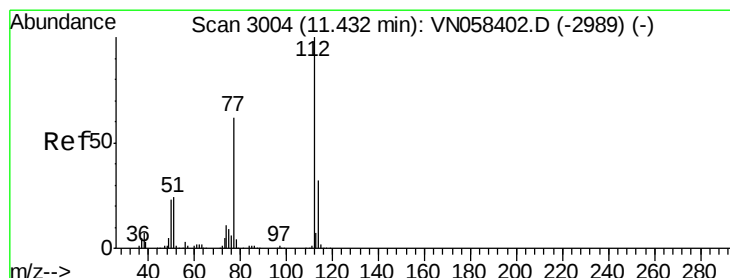
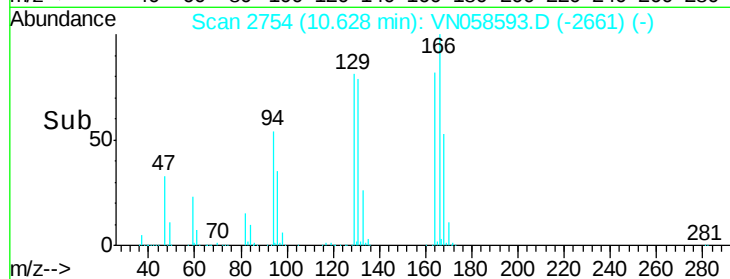
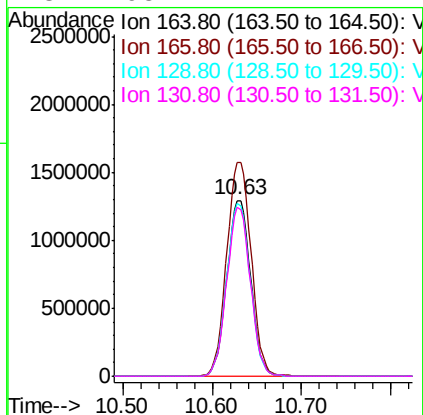
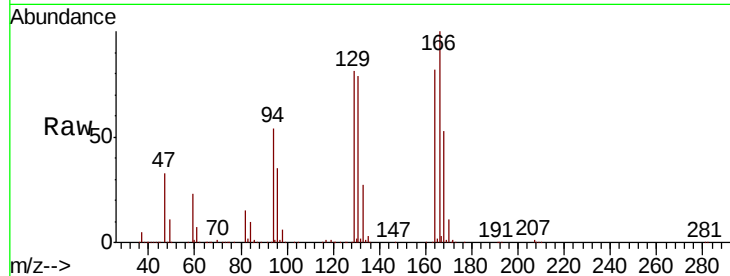
#64
Tetrachloroethene
Concen: 551.177 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.5	101.1	151.7
129	98.2	79.2	118.8
131	95.7	74.1	111.1

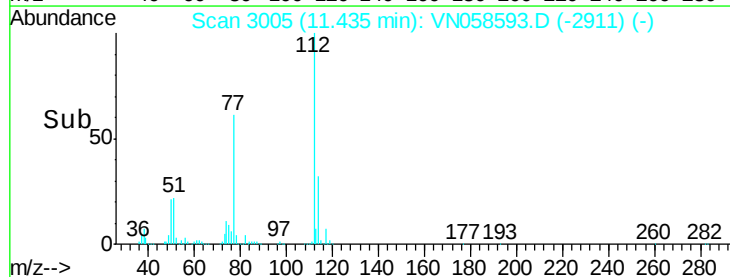
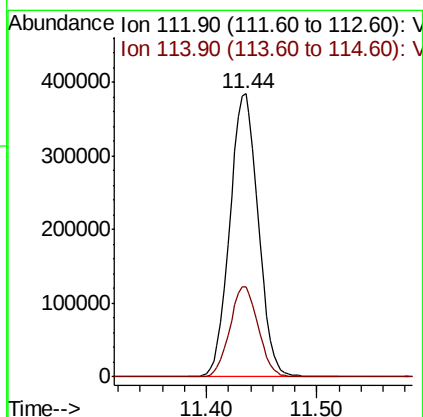
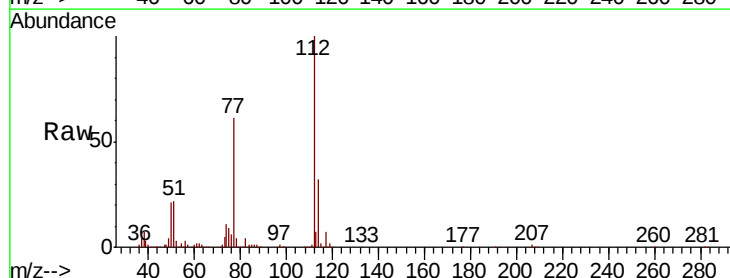
Manual Integrations
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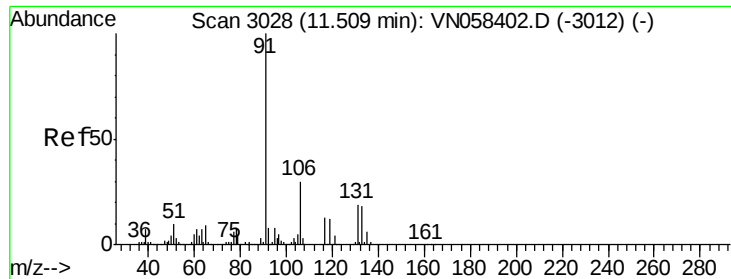
MMDadoda
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#65
Chlorobenzene
Concen: 50.549 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 56.805 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

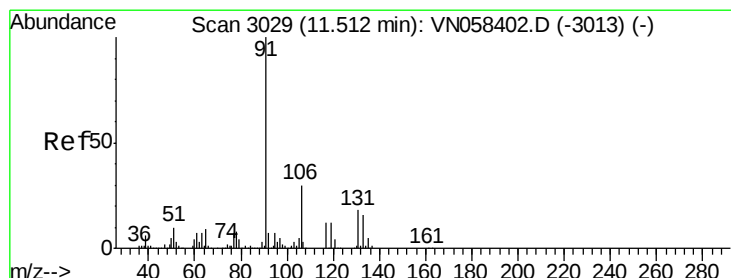
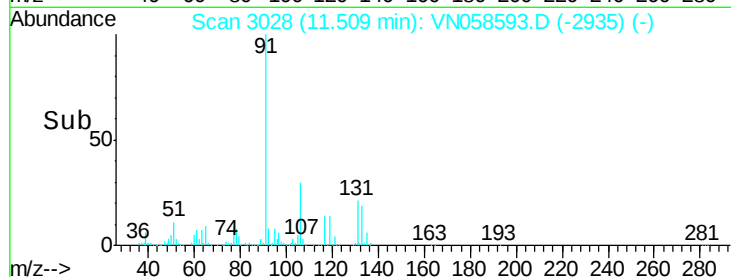
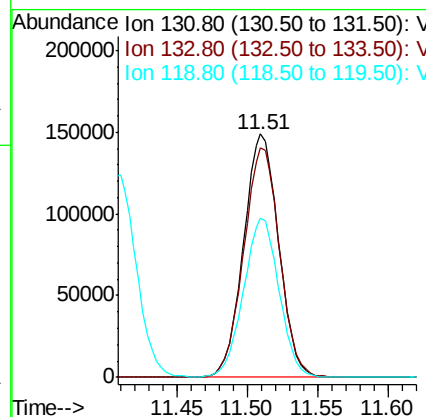
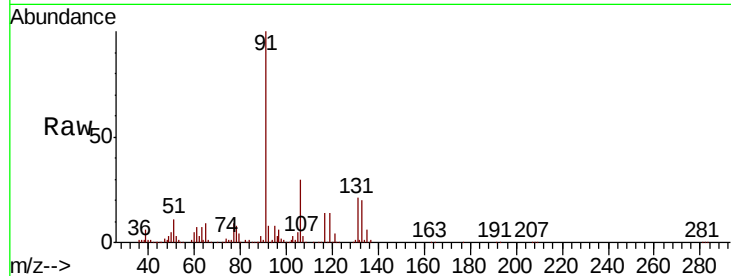
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	131	Resp:	260180
Ion Ratio	Lower	Upper	
131	100		
133	95.7	47.8	143.3
119	66.2	33.0	99.0

Manual Integrations
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#67

Ethyl Benzene

Concen: 51.269 ug/l

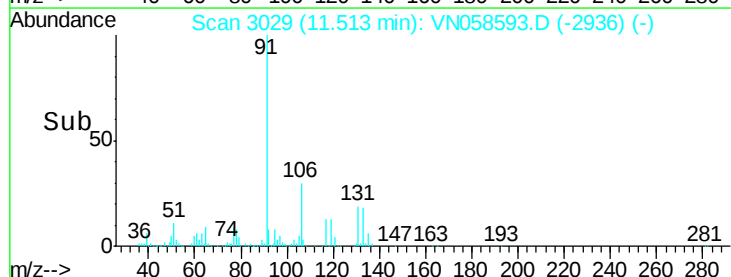
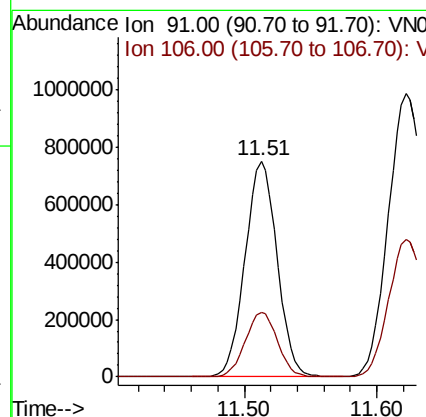
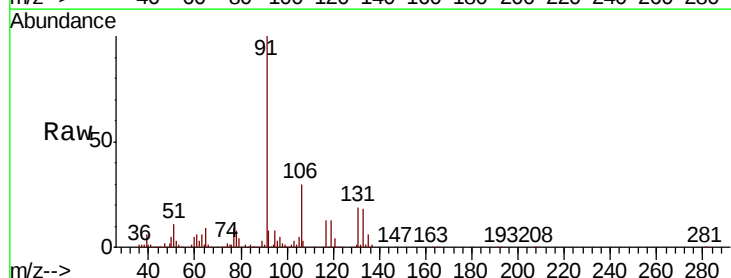
RT: 11.51 min Scan# 3029

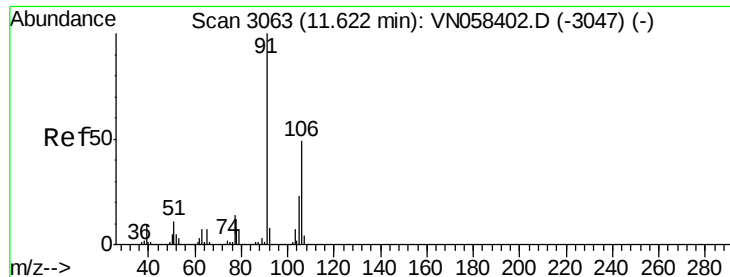
Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	91	Resp:	1262406
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.3	36.5





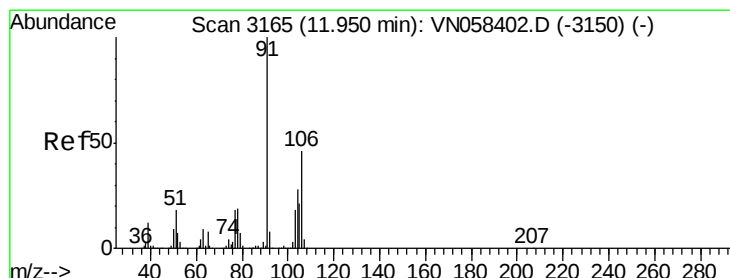
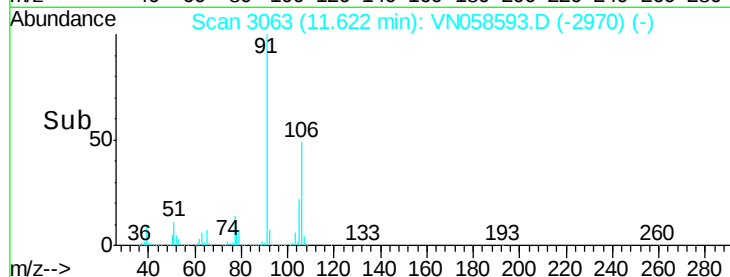
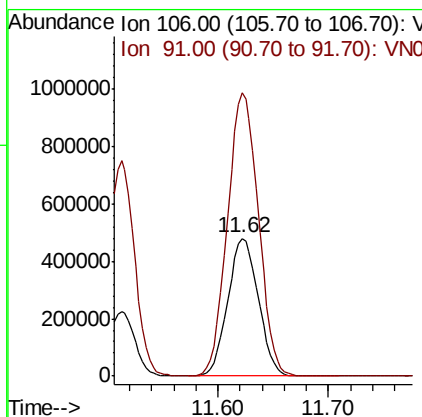
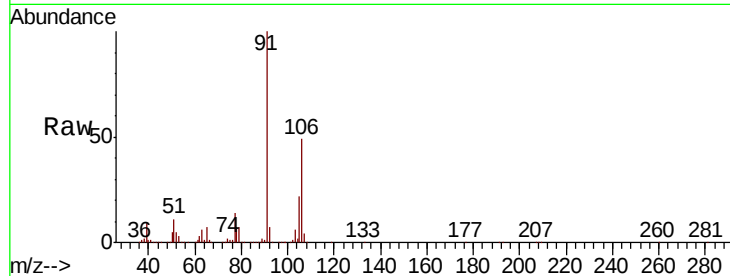
#68
m/p-Xylenes
Concen: 99.550 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion:106 Resp: 922257
Ion Ratio Lower Upper
106 100
91 208.1 165.0 247.4

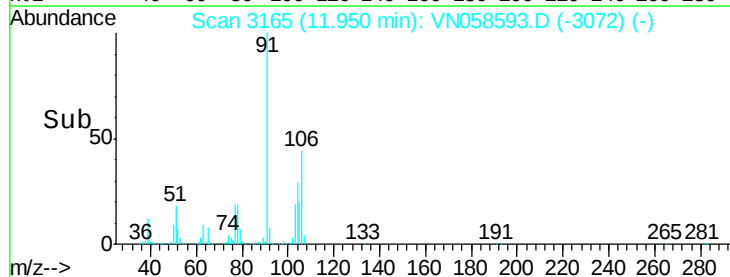
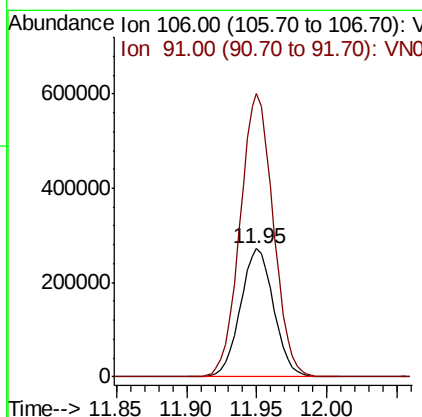
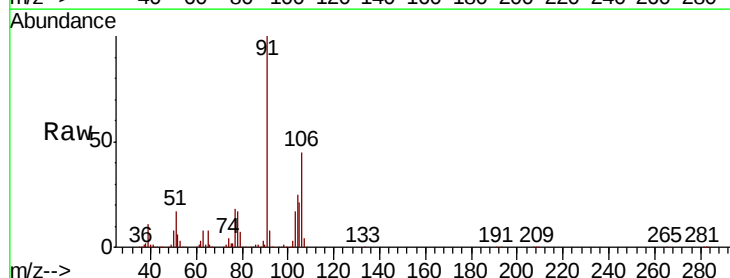
Manual Integrations
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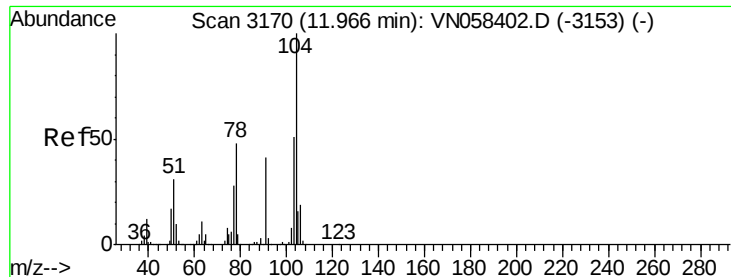
MMDadoda
10/9/2019 10:50:58 AM



#69
o-Xylene
Concen: 50.428 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion:106 Resp: 449725
Ion Ratio Lower Upper
106 100
91 220.2 109.1 327.4





#70

Stvrene

Concen: 51.821 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

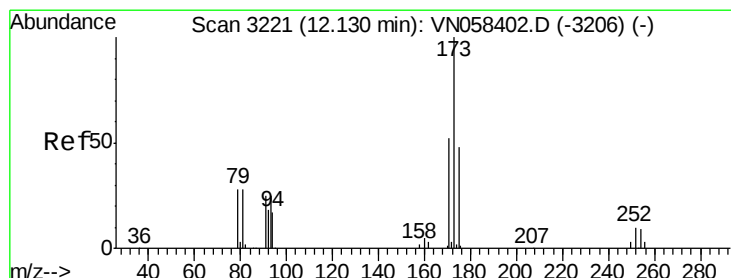
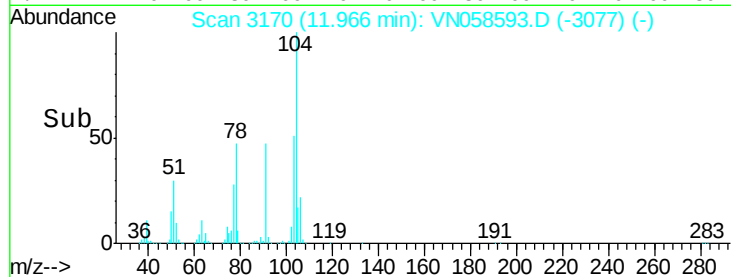
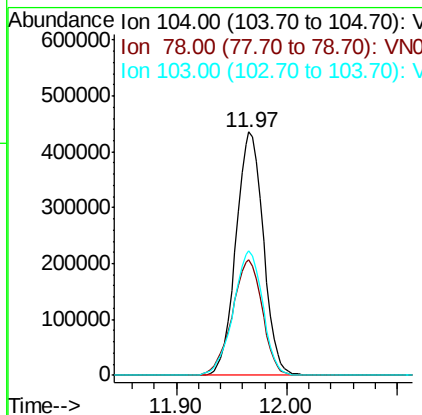
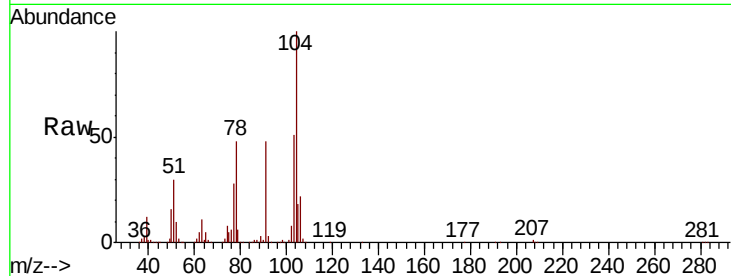
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	104	Resp:	750785
Ion Ratio	Lower	Upper	
104	100		
78	52.4	42.8	64.2
103	54.9	43.7	65.5

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#71

Bromoform

Concen: 58.194 ug/l

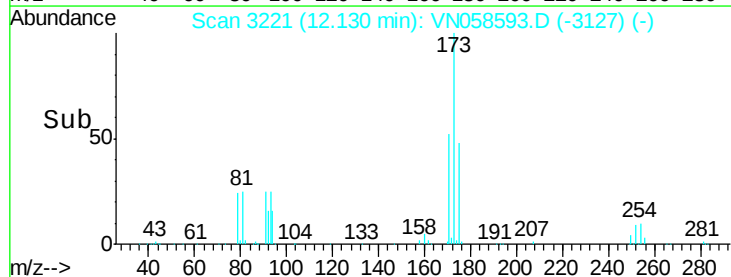
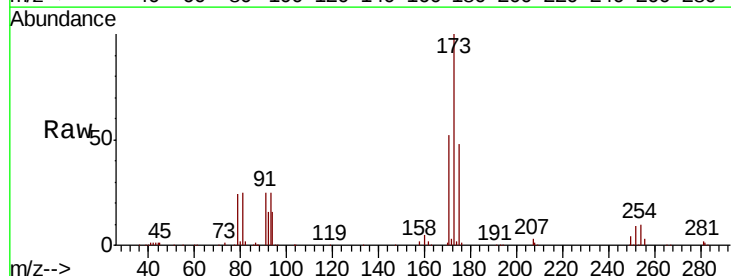
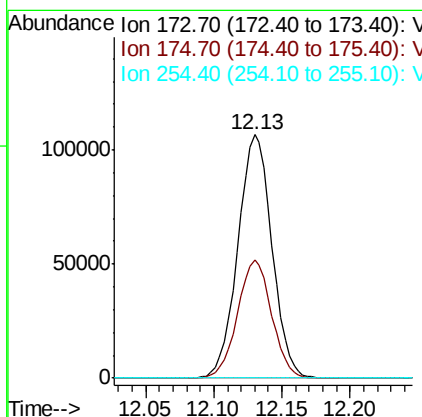
RT: 12.13 min Scan# 3221

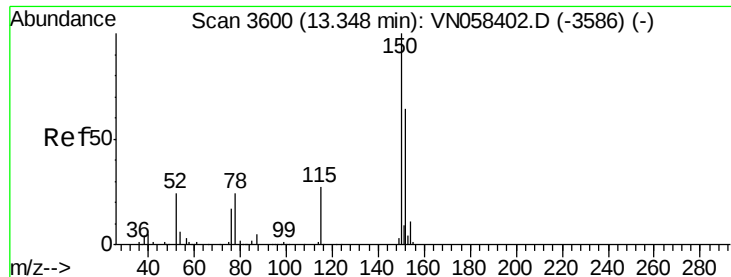
Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	173	Resp:	184564
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	73.0
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion:152 Resp: 327973

Ion Ratio Lower Upper

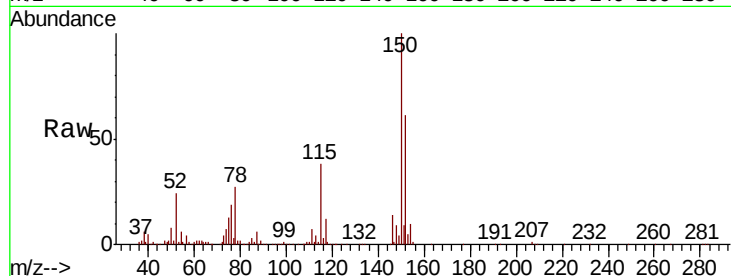
152 100

115 60.6 30.0 90.0

150 175.4 0.0 348.2

Manual Integrations
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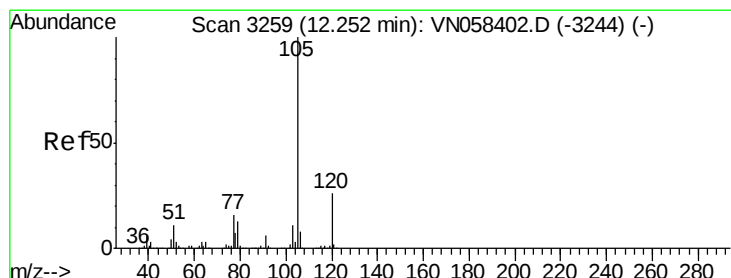
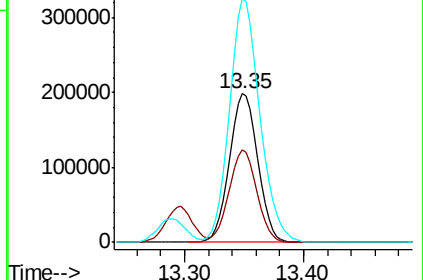
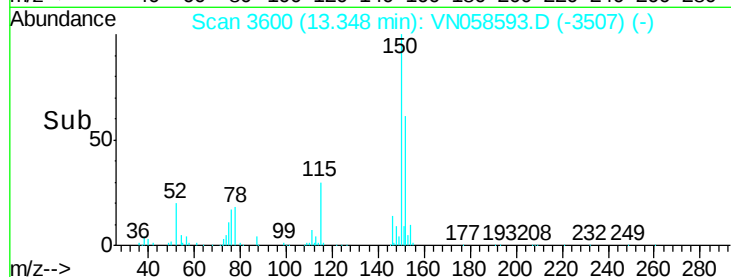
MMDadoda
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.355 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058593.D

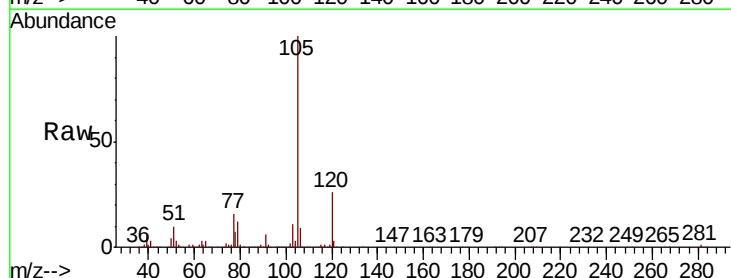
Acq: 8 Oct 2019 1:14

Tgt Ion:105 Resp: 1220508

Ion Ratio Lower Upper

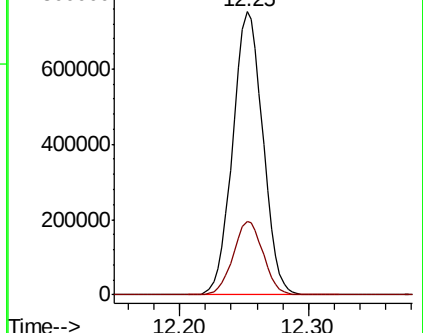
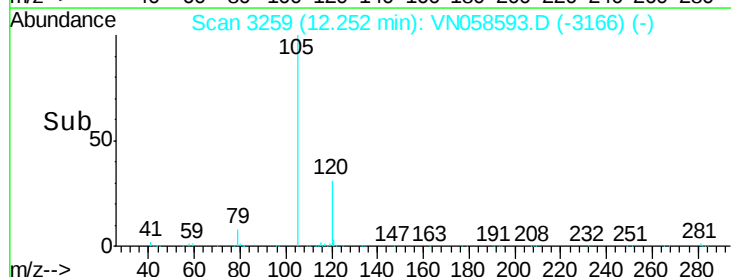
105 100

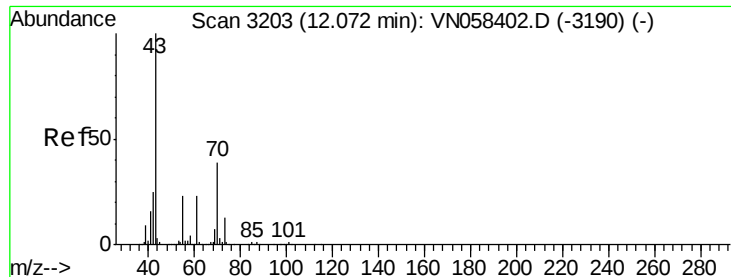
120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.163 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 43 Resp: 493345

Ion Ratio Lower Upper

43 100

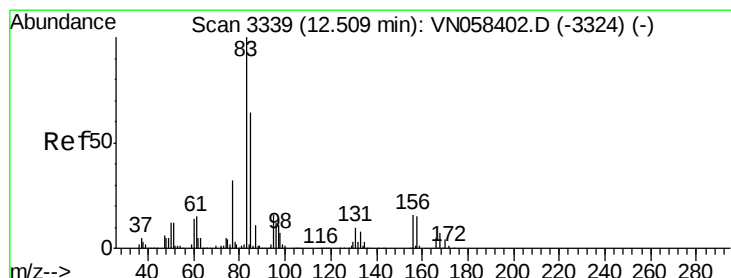
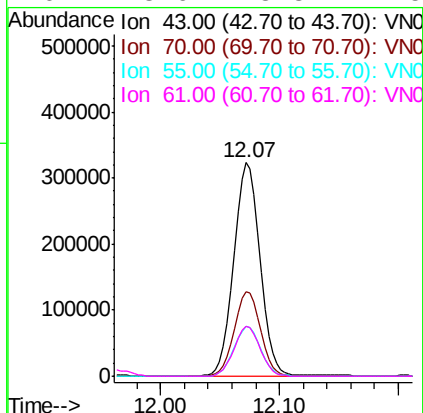
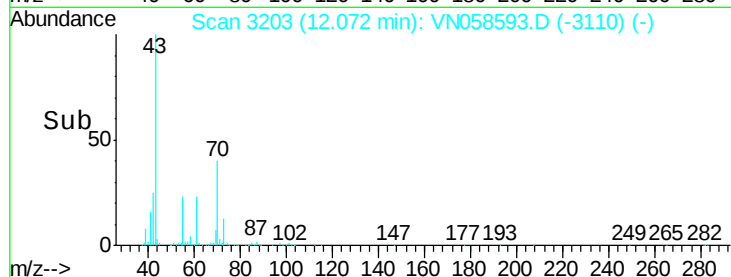
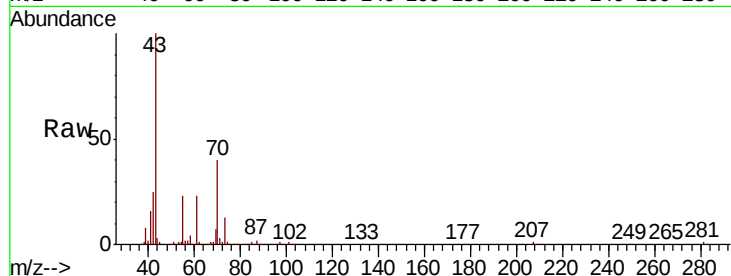
70 39.9 31.4 47.2

55 23.9 18.2 27.4

61 23.6 18.3 27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.517 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

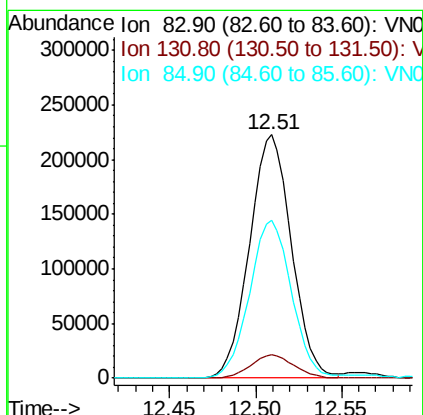
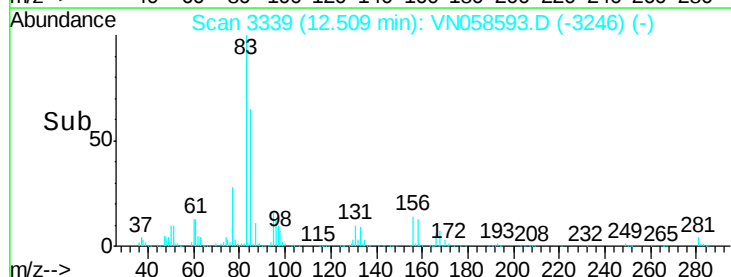
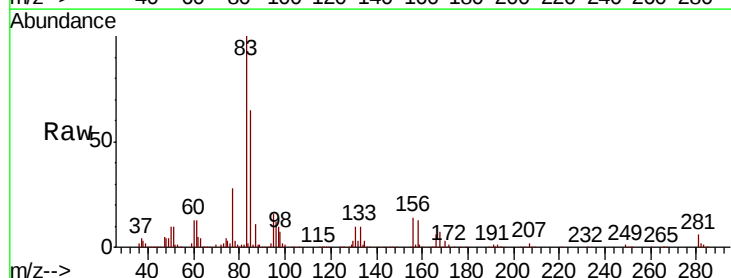
Tgt Ion: 83 Resp: 376401

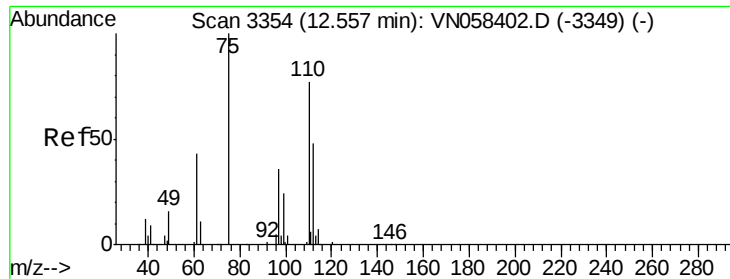
Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

85 64.6 32.0 96.0





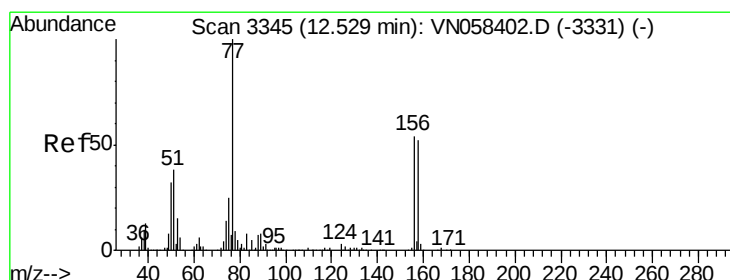
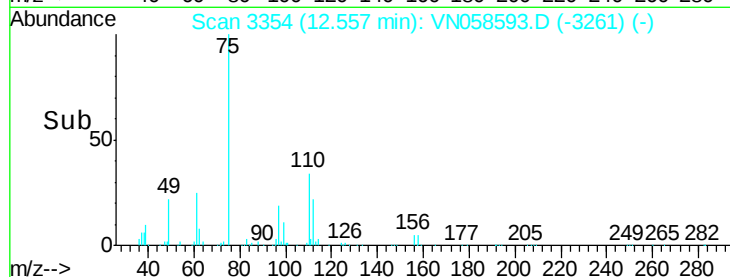
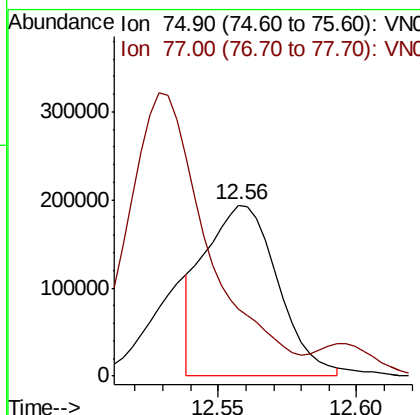
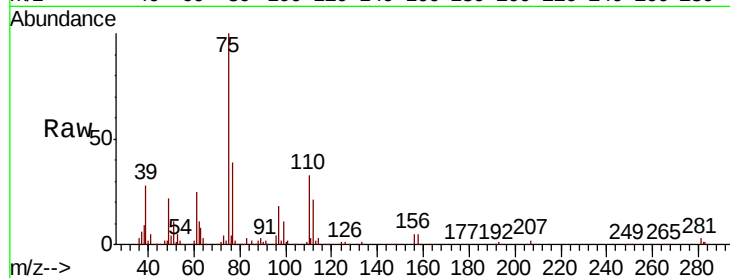
#76
 1,2,3-Trichloropropane
 Concen: 59.831 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion: 75 Resp: 358417
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

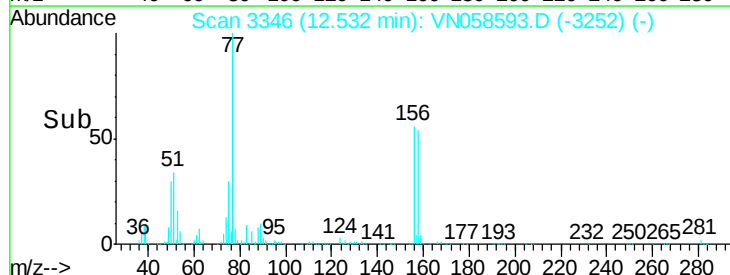
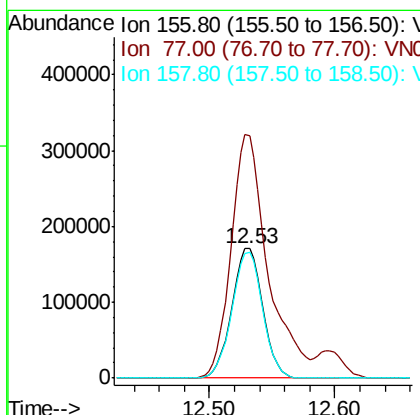
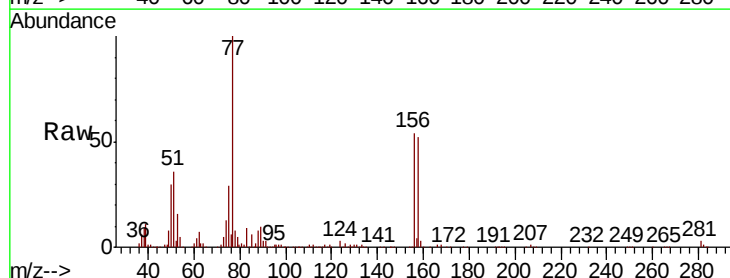
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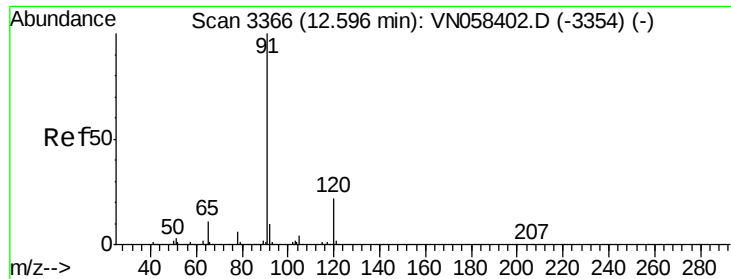
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#77
 Bromobenzene
 Concen: 51.325 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion: 156 Resp: 291692
 Ion Ratio Lower Upper
 156 100
 77 223.2 110.0 330.0
 158 97.0 47.9 143.8





#78

n-propylbenzene

Concen: 51.710 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 91 Resp: 1412040

Ion Ratio Lower Upper

91 100

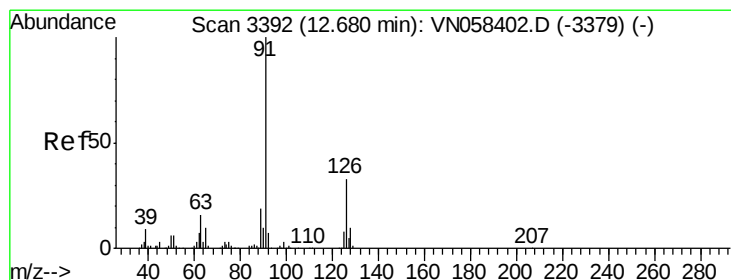
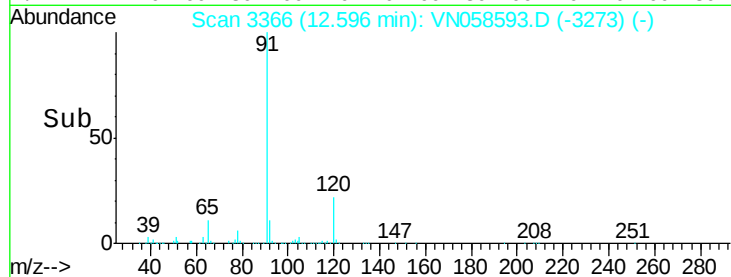
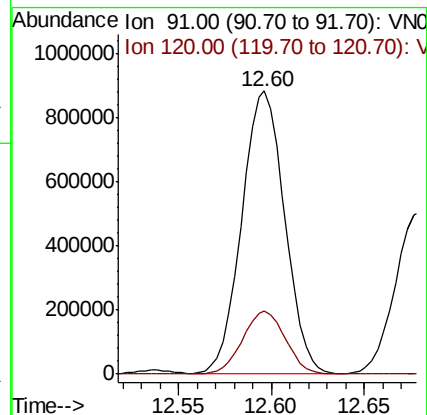
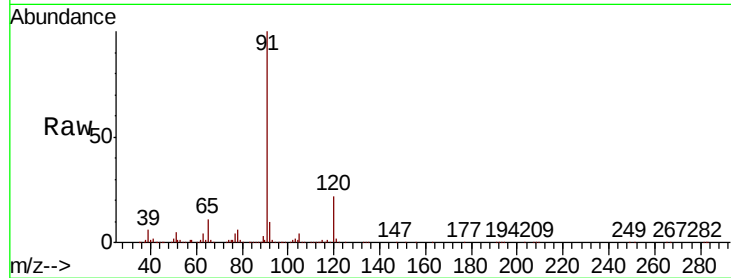
120 22.2 10.9 32.9

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#79

2-Chlorotoluene

Concen: 50.187 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058593.D

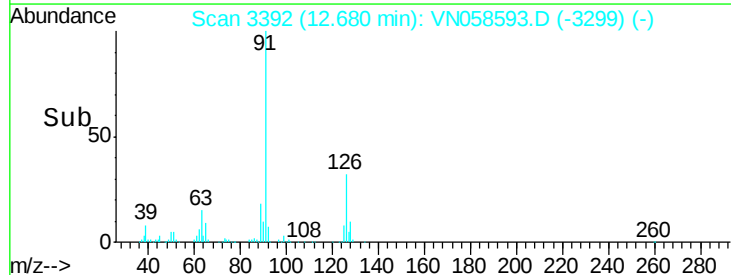
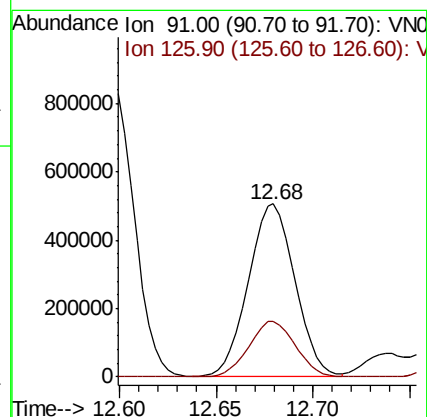
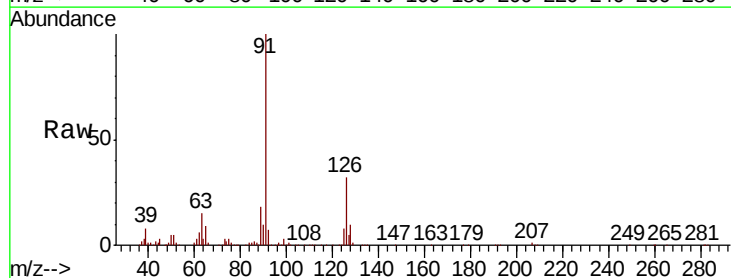
Acq: 8 Oct 2019 1:14

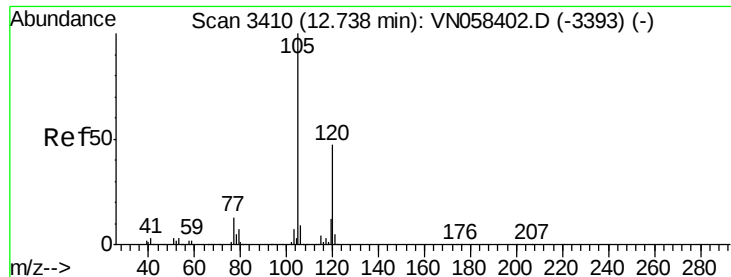
Tgt Ion: 91 Resp: 845890

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.6





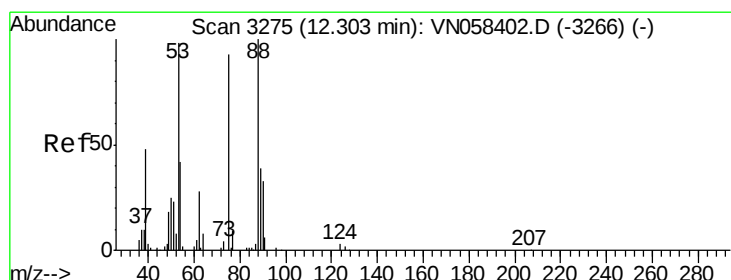
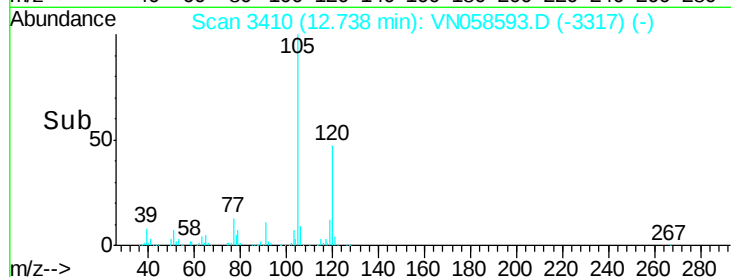
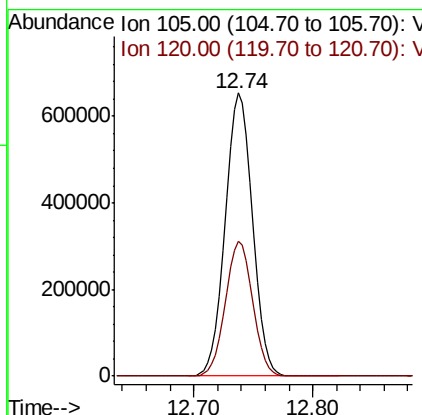
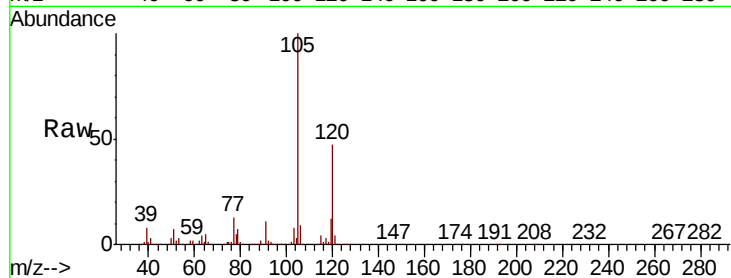
#80
 1,3,5-Trimethylbenzene
 Concen: 51.071 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion:105 Resp: 1036209
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.5 70.6

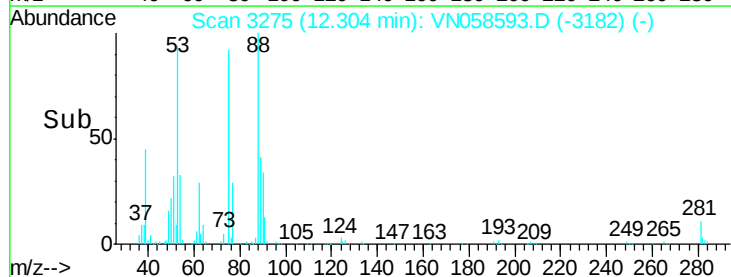
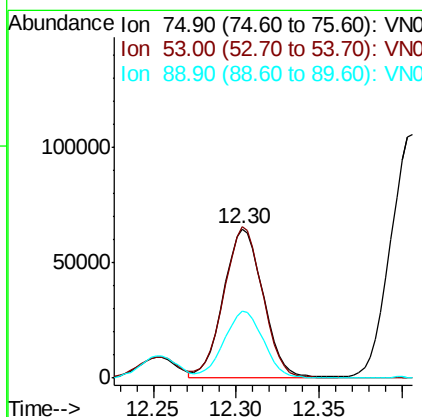
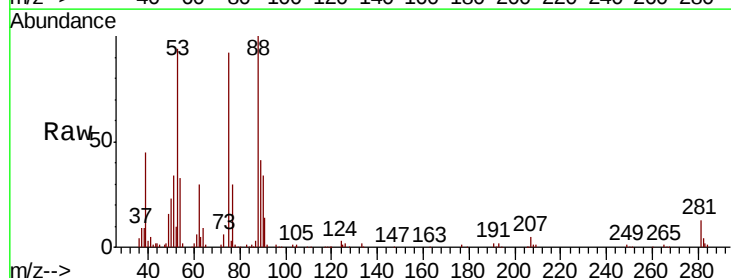
Manual Integrations
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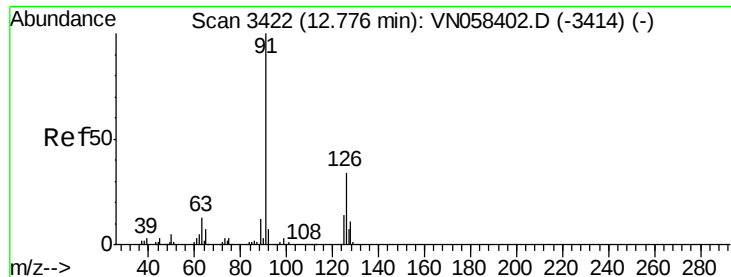
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.248 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion: 75 Resp: 107000
 Ion Ratio Lower Upper
 75 100
 53 99.4 85.4 128.0
 89 45.1 35.0 52.4





#82

4-Chlorotoluene

Concen: 51.040 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MSD

Tot Ion: 91 Resp: 877813

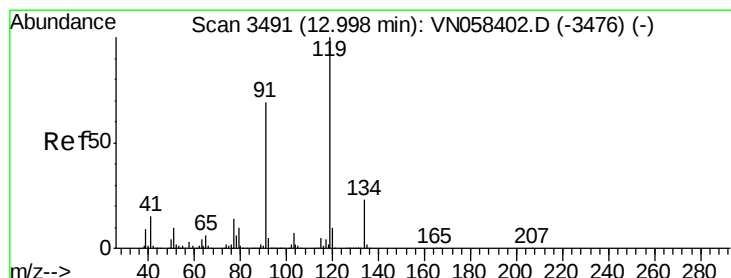
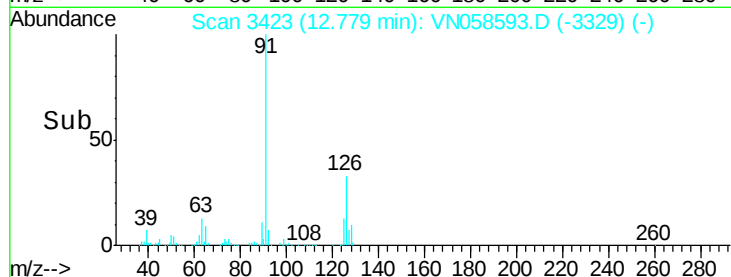
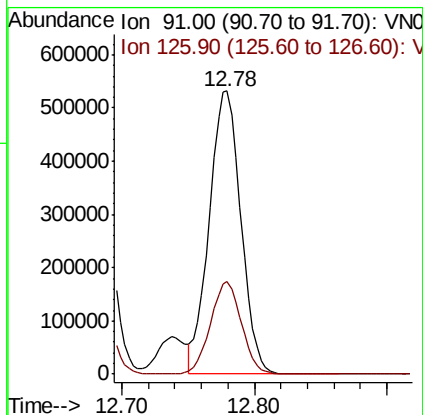
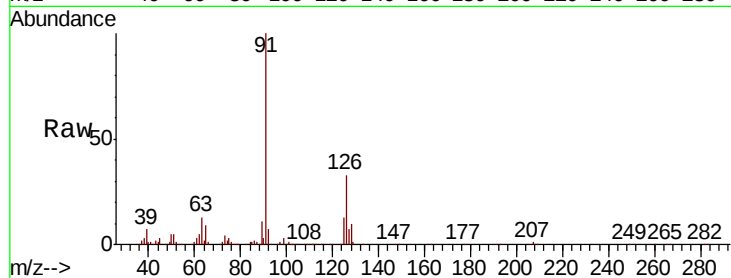
Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.7

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#83

tert-Butylbenzene

Concen: 51.269 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

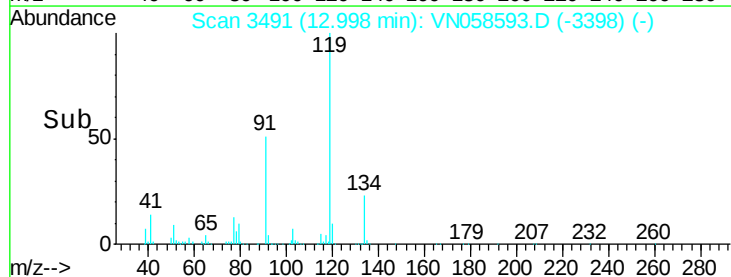
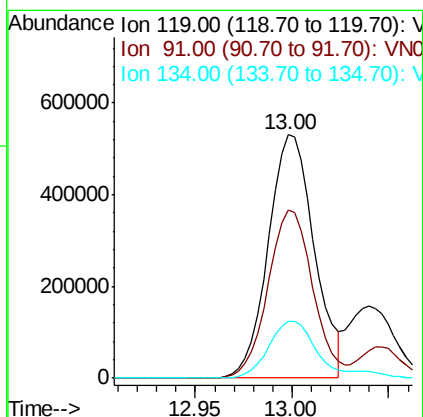
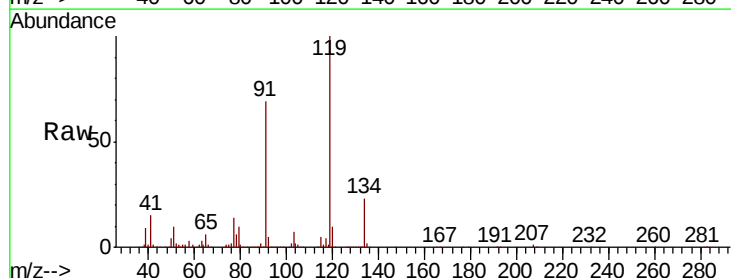
Tgt Ion: 119 Resp: 877767

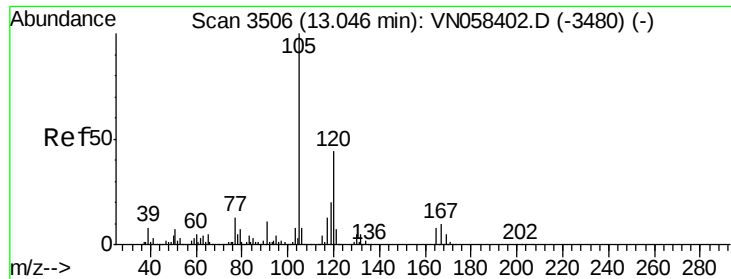
Ion Ratio Lower Upper

119 100

91 67.1 34.2 102.6

134 25.7 11.6 34.8





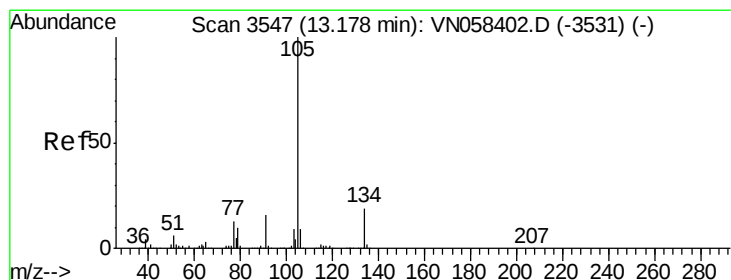
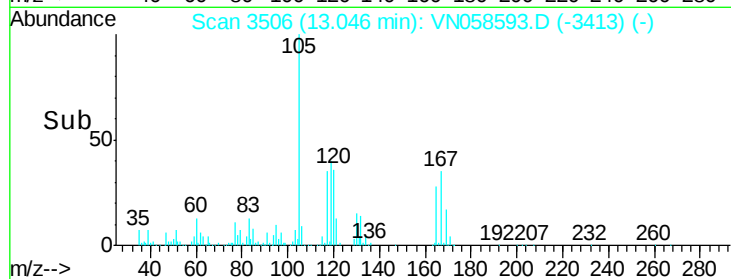
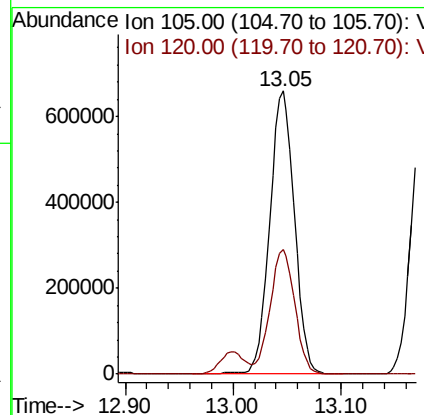
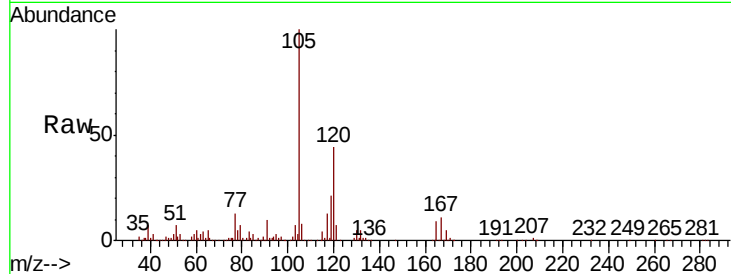
#84
 1,2,4-Trimethylbenzene
 Concen: 51.483 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion:105 Resp: 1046563
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.7 65.1

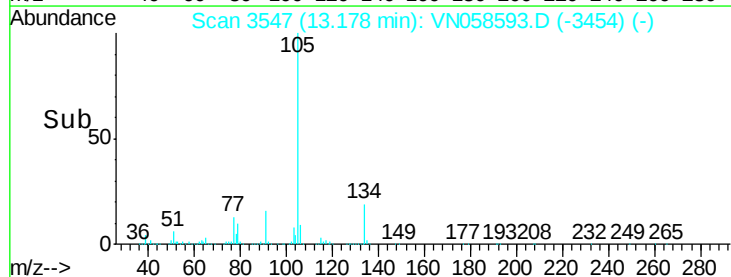
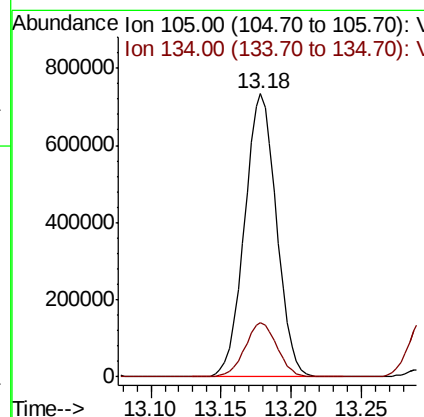
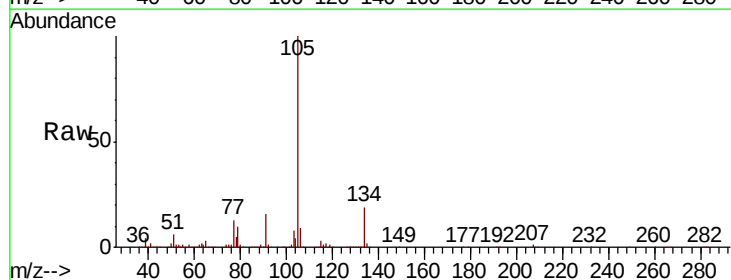
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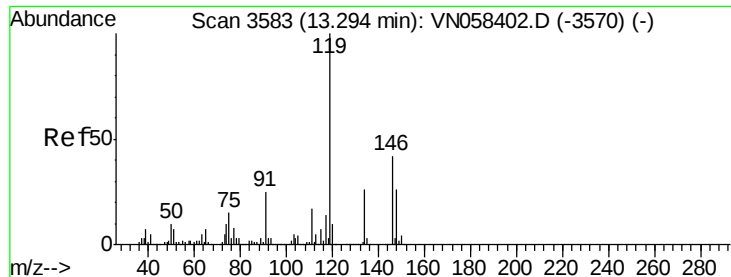
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#85
 sec-Butylbenzene
 Concen: 51.450 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion:105 Resp: 1159393
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.2





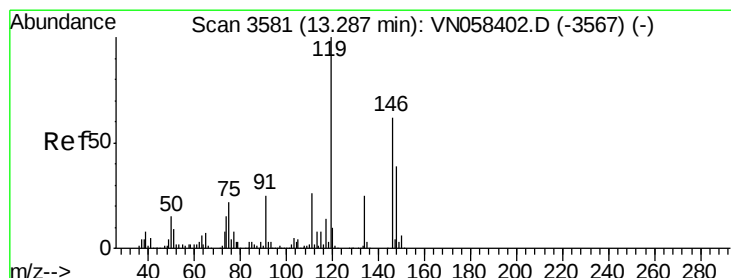
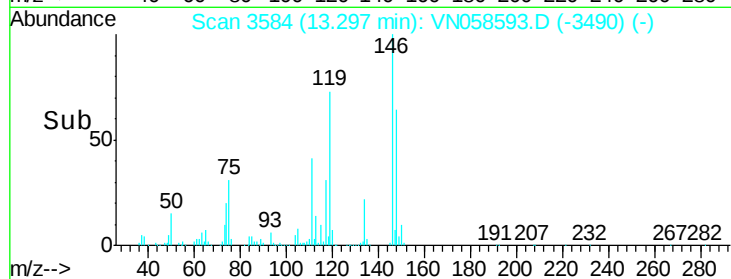
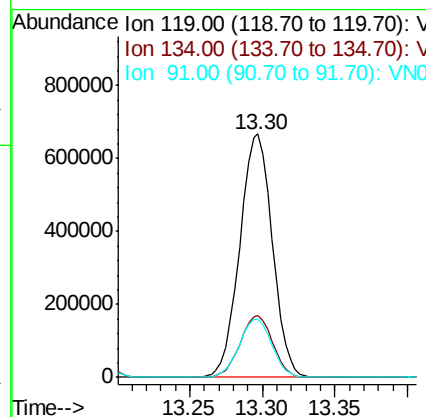
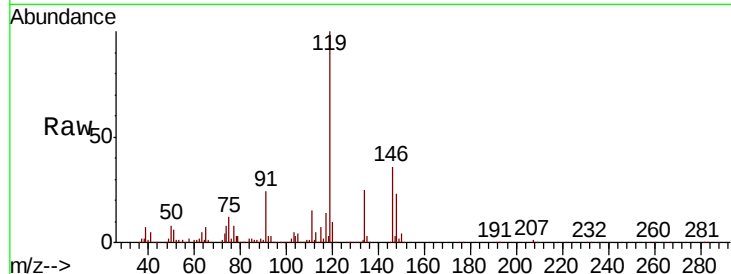
#86
p-Isopropyltoluene
Concen: 52.170 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	24.2	12.4	37.0

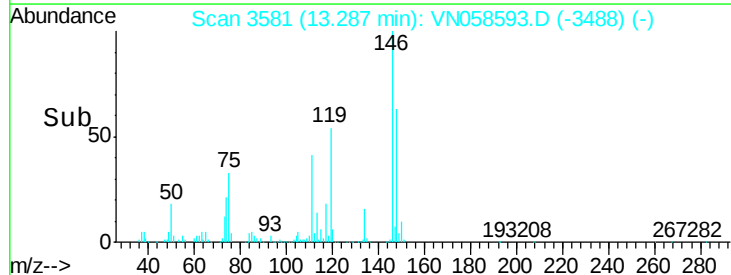
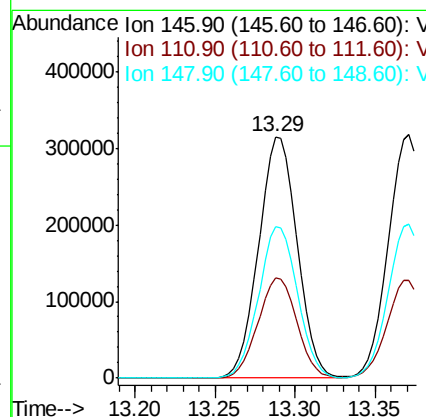
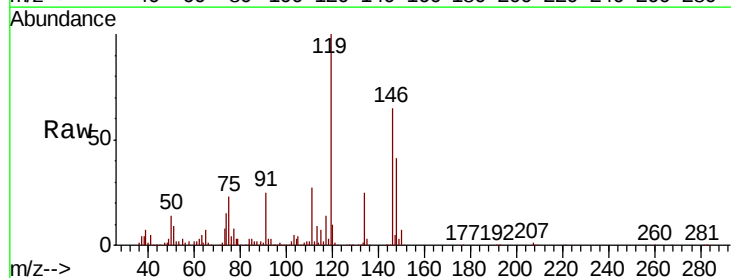
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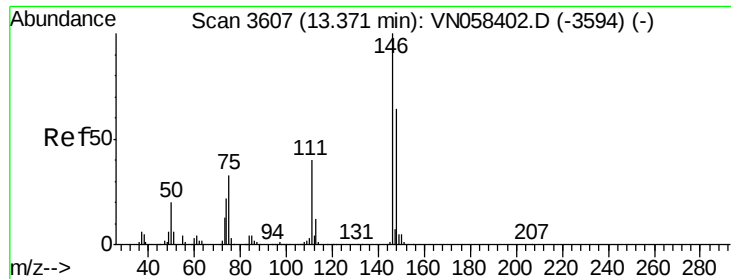
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#87
1,3-Dichlorobenzene
Concen: 50.751 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	63.4	31.4	94.3





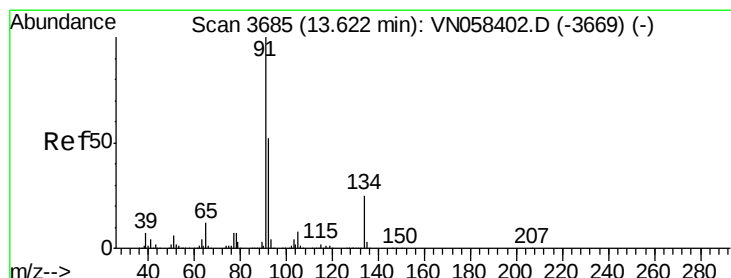
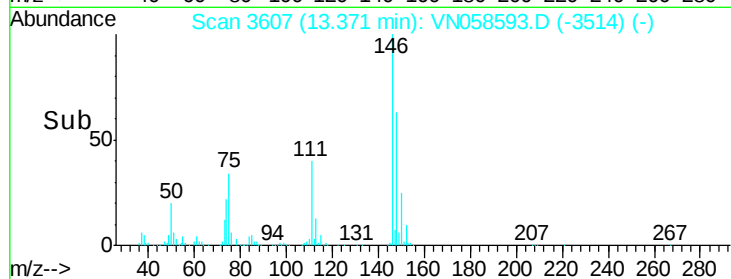
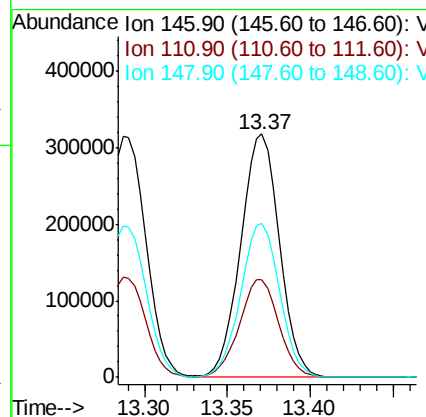
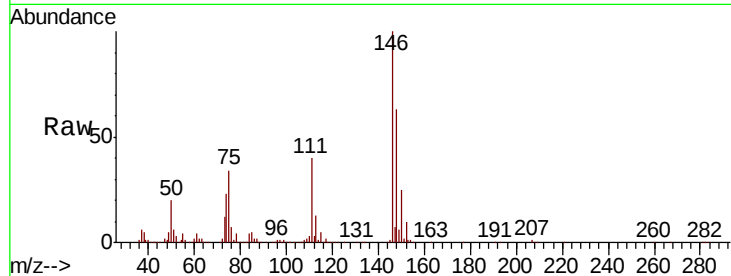
#88
 1,4-Dichlorobenzene
 Concen: 50.368 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.6
148	63.8	31.5	94.5

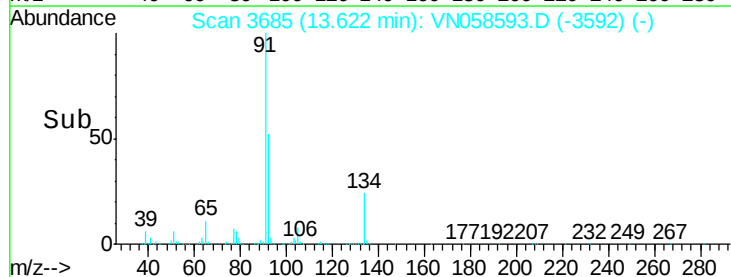
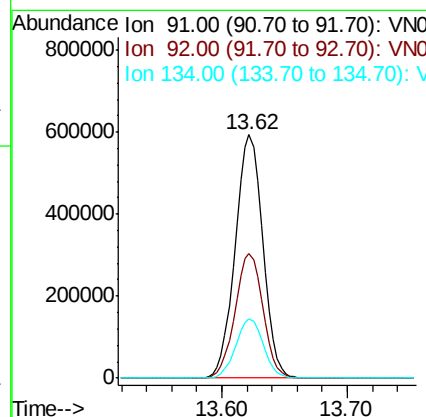
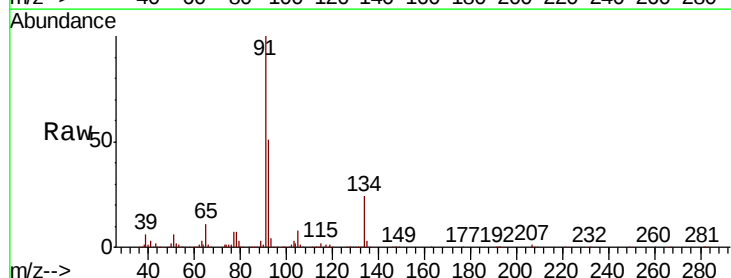
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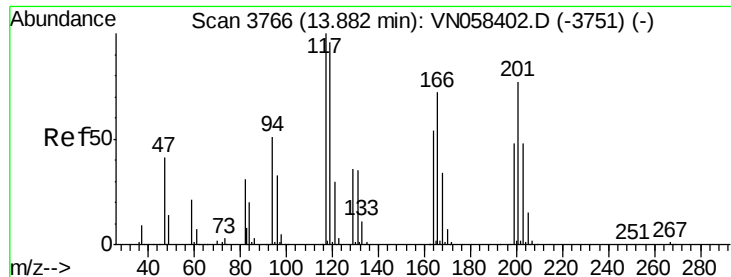
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#89
 n-Butylbenzene
 Concen: 50.422 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.1
134	24.5	12.2	36.6





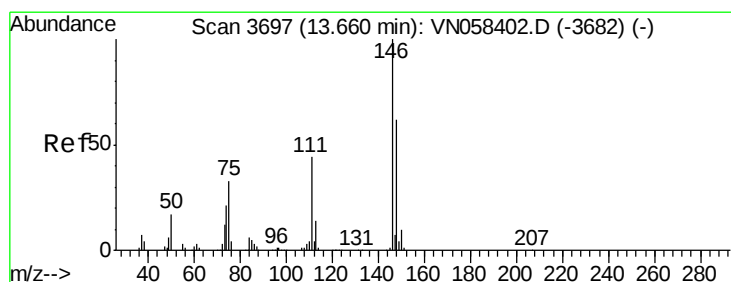
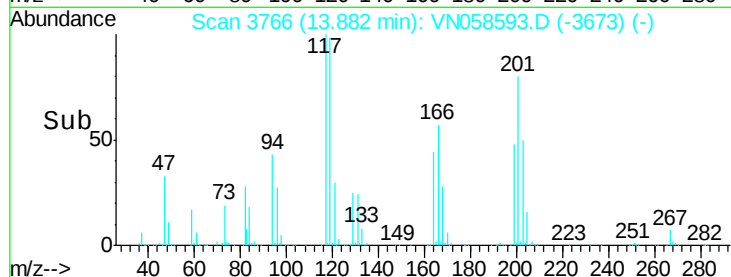
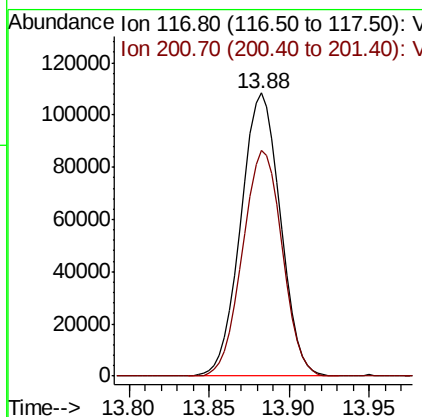
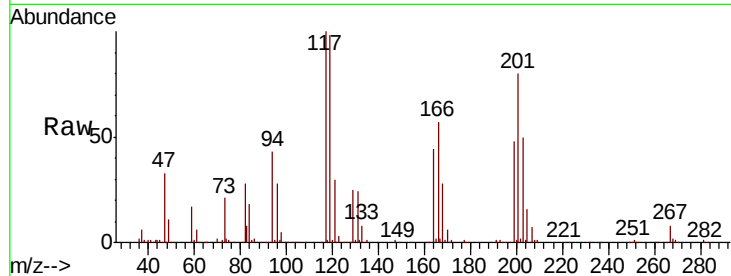
#90
Hexachloroethane
Concen: 60.880 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MSD

Tot Ion:117 Resp: 181439
Ion Ratio Lower Upper
117 100
201 80.6 38.6 116.0

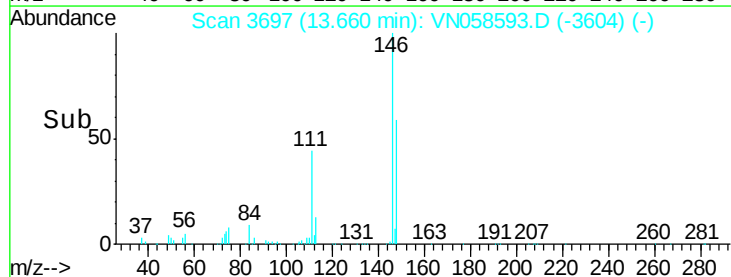
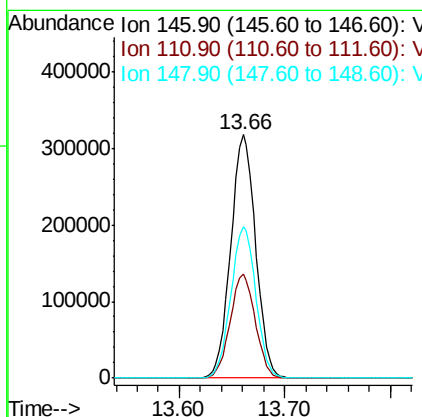
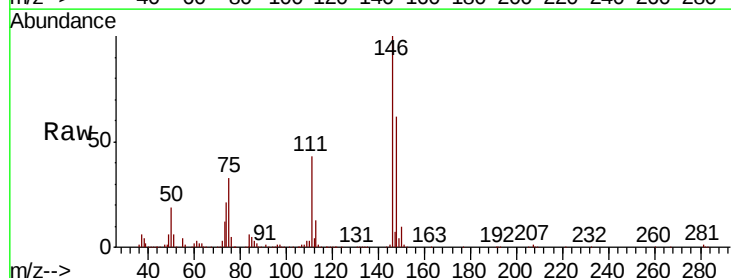
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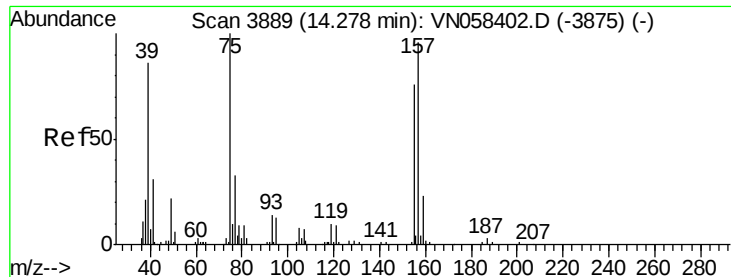
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#91
1,2-Dichlorobenzene
Concen: 52.410 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058593.D
Acq: 8 Oct 2019 1:14

Tgt Ion:146 Resp: 518951
Ion Ratio Lower Upper
146 100
111 43.0 21.8 65.3
148 62.5 31.5 94.5





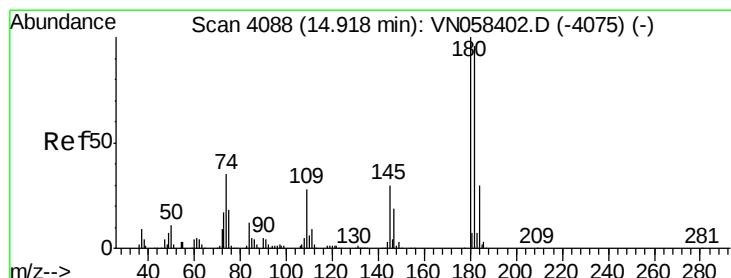
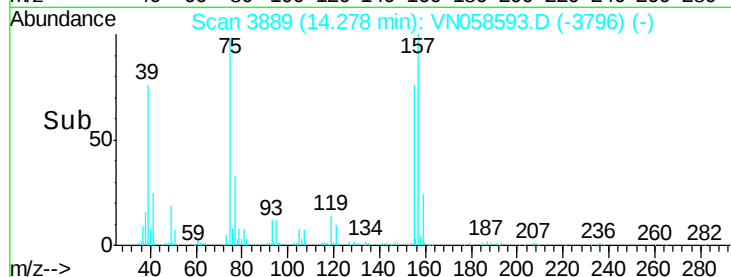
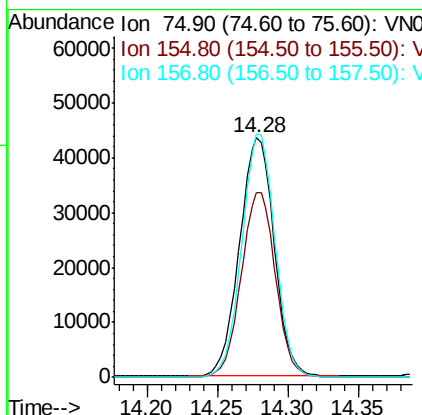
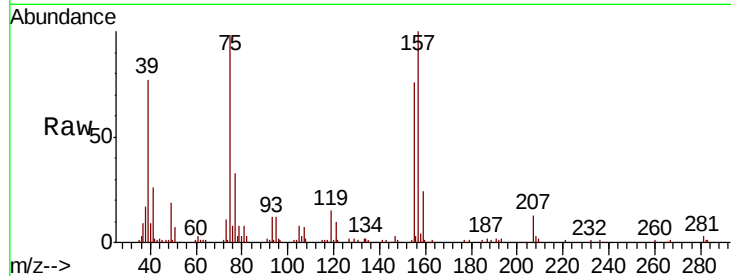
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.164 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	76.7	39.2	117.6
157	98.2	48.7	146.1

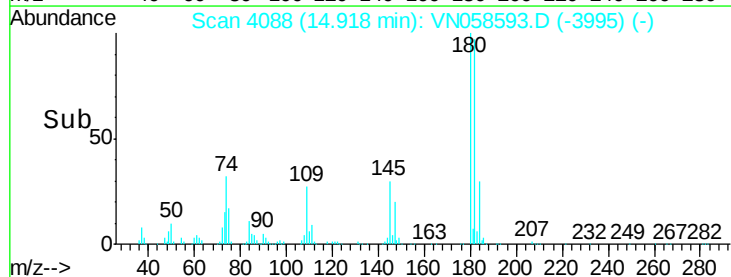
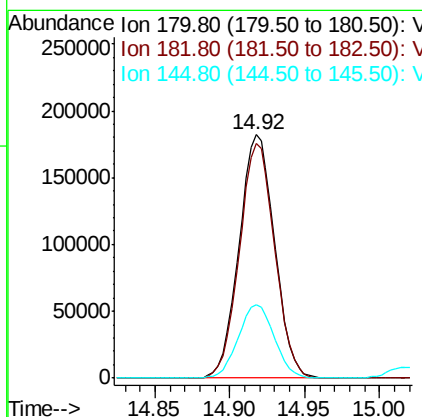
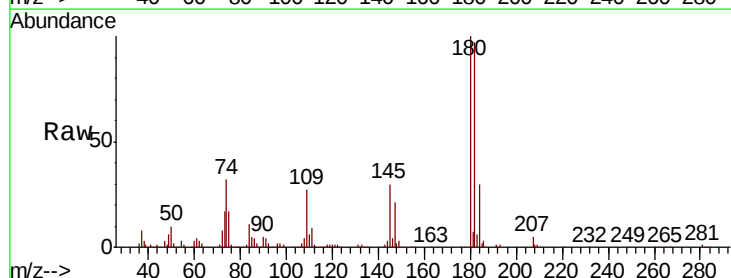
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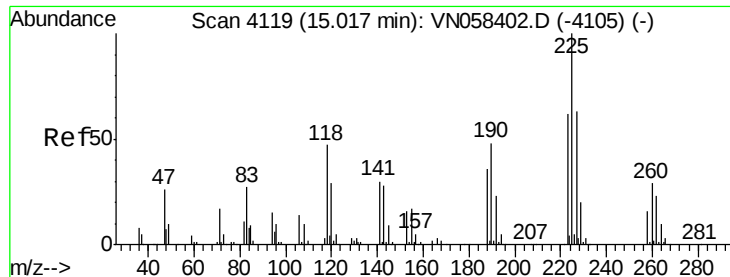
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#93
 1,2,4-Trichlorobenzene
 Concen: 54.852 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	30.8	15.3	45.9





#94

Hexachlorobutadiene

Concen: 49.827 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Instrument :

MSVOA_N

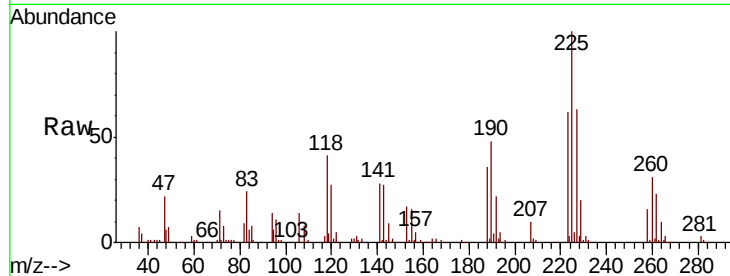
ClientSampleId :

MW-28B_100219MSD

Tot Ion:	225	Resp:	140129
Ion Ratio		Lower	Upper
225	100		
223	63.5	31.1	93.5
227	64.1	31.4	94.2

Manual Integrations
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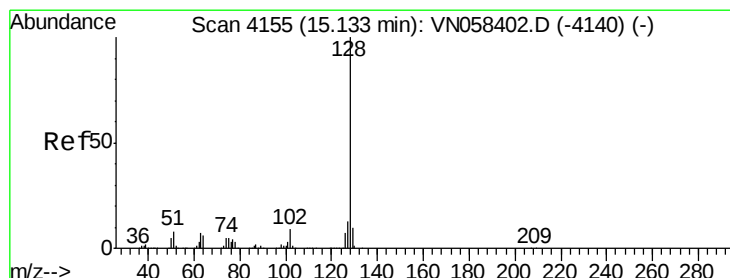
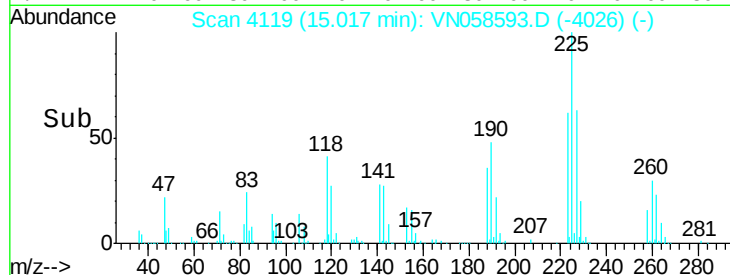
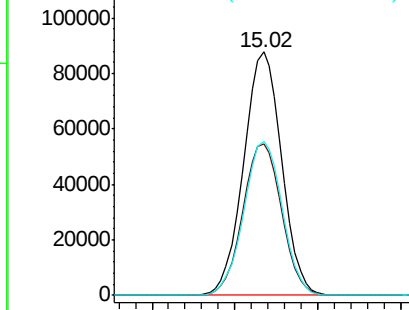


Abundance

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: 54.246 ug/l

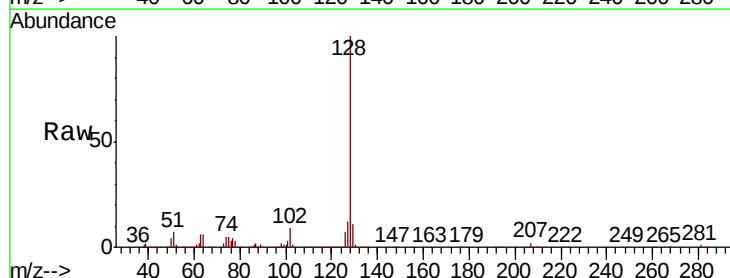
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058593.D

Acq: 8 Oct 2019 1:14

Tgt Ion:	128	Resp:	869182
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.7	8.3	12.5

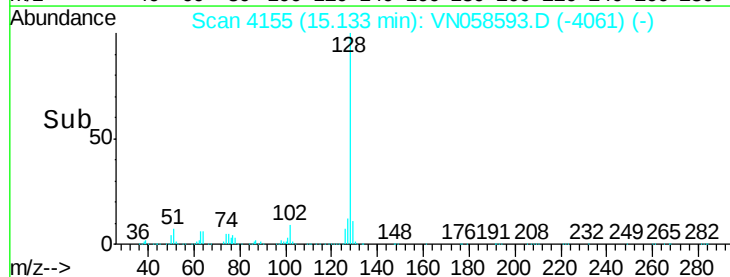
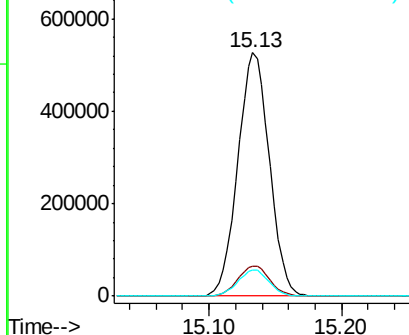


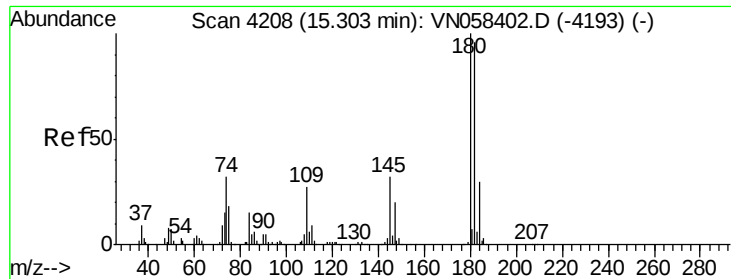
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





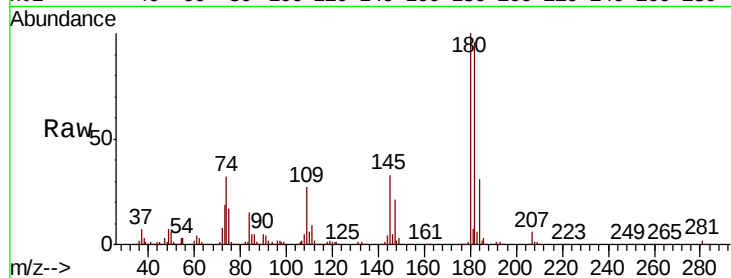
#96
 1,2,3-Trichlorobenzene
 Concen: 52.489 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058593.D
 Acq: 8 Oct 2019 1:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Tot Ion:	180	Resp:	287928
Ion Ratio		Lower	Upper
180	100		
182	96.1	48.3	144.9
145	32.8	16.1	48.3

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

