

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058446.D
 Acq On : 30 Sep 2019 19:14
 Operator : JC/SP
 Sample : K5080-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:31 AM

Quant Time: Oct 01 08:48:05 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	418603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	710301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	643726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	316856	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.57	113	232702	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.09	98	895902	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.41	95	327571	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	238955	52.060	ug/l	97
3) Chloromethane	2.03	50	258024	51.133	ug/l	100
4) Vinyl Chloride	2.17	62	258610	52.316	ug/l	98
5) Bromomethane	2.54	94	136685	52.057	ug/l	99
6) Chloroethane	2.68	64	151431	51.127	ug/l	98
7) Trichlorofluoromethane	3.00	101	307258	51.507	ug/l	98
8) Diethyl Ether	3.39	74	132347	51.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	201989	49.858	ug/l	99
10) Methyl Iodide	3.93	142	222487	49.528	ug/l	100
11) Tert butyl alcohol	4.76	59	196363	288.951	ug/l	99
12) 1,1-Dichloroethene	3.72	96	198866	50.360	ug/l	99
13) Acrolein	3.59	56	66606	308.155	ug/l	96
14) Allyl chloride	4.30	41	372501	51.835	ug/l	98
15) Acrylonitrile	4.96	53	537951	271.614	ug/l	100
16) Acetone	3.79	43	463681	222.357	ug/l	100
17) Carbon Disulfide	4.03	76	549640	52.803	ug/l	99
18) Methyl Acetate	4.30	43	253660	48.364	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	709241	50.903	ug/l	100
20) Methylene Chloride	4.53	84	236509	49.147	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	223439	50.883	ug/l	98
22) Diisopropyl ether	5.93	45	794475	51.374	ug/l	96
23) Vinyl Acetate	5.87	43	3205259	274.884	ug/l	99
24) 1,1-Dichloroethane	5.82	63	450282	51.737	ug/l	100
25) 2-Butanone	6.82	43	737547	257.609	ug/l	98
26) 2,2-Dichloropropane	6.80	77	336960	47.094	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	262109	51.070	ug/l	98
28) Bromochloromethane	7.18	49	185901	53.436	ug/l	98
29) Tetrahydrofuran	7.19	42	484552	266.655	ug/l	100
30) Chloroform	7.36	83	482851	54.749	ug/l	99
31) Cyclohexane	7.64	56	416565	49.205	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	383534	52.957	ug/l	100
36) 1,1-Dichloropropene	7.78	75	345038	50.802	ug/l	99
37) Ethyl Acetate	6.91	43	307006	53.315	ug/l	99
38) Carbon Tetrachloride	7.76	117	327884	53.483	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405816	51.165	ug/l	98
40) Benzene	8.03	78	1009575	51.712	ug/l	99
41) Methacrylonitrile	7.16	41	146436m	55.277	ug/l	
42) 1,2-Dichloroethane	8.11	62	379978	50.027	ug/l	100
43) Isopropyl Acetate	8.15	43	526268	48.601	ug/l	99
44) Trichloroethene	8.82	130	244059	50.628	ug/l	98
45) 1,2-Dichloropropane	9.11	63	275401	52.598	ug/l	97
46) Dibromomethane	9.20	93	170177	51.322	ug/l	99
47) Bromodichloromethane	9.39	83	345682	55.023	ug/l	99
48) Methyl methacrylate	9.19	41	263298	53.400	ug/l	99
49) 1,4-Dioxane	9.19	88	88790	1346.743	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1586398	285.212	ug/l	99
52) Toluene	10.15	92	621776	50.599	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	371775	54.369	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	407873	53.735	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	235987	52.742	ug/l	98
56) Ethyl methacrylate	10.43	69	370368	54.550	ug/l	100
57) 1,3-Dichloropropane	10.71	76	424460	53.184	ug/l	100
59) 2-Hexanone	10.75	43	1155307	285.254	ug/l	100
60) Dibromochloromethane	10.90	129	246504	53.237	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245609	53.721	ug/l	100
64) Tetrachloroethene	10.63	164	197820	48.369	ug/l	98
65) Chlorobenzene	11.44	112	658500	51.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230346	53.430	ug/l	99
67) Ethyl Benzene	11.51	91	1221767	52.715	ug/l	99
68) m/p-Xylenes	11.62	106	894580	102.588	ug/l	97
69) o-Xylene	11.95	106	434556	51.768	ug/l	98
70) Styrene	11.97	104	739879	54.255	ug/l	100
71) Bromoform	12.13	173	157012	52.663	ug/l #	99
73) Isopropylbenzene	12.25	105	1193448	50.884	ug/l	100
74) N-amyl acetate	12.07	43	475751	50.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	348421	50.237	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	308270m	53.179	ug/l	
77) Bromobenzene	12.53	156	270981	49.273	ug/l	98
78) n-propylbenzene	12.60	91	1402320	53.070	ug/l	100
79) 2-Chlorotoluene	12.68	91	822061	50.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1018695	51.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	98033	51.363	ug/l	99
82) 4-Chlorotoluene	12.78	91	839250	50.428	ug/l	100
83) tert-Butylbenzene	13.00	119	850727	51.350	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1024111	52.062	ug/l	99
85) sec-Butylbenzene	13.18	105	1163277	53.347	ug/l	100
86) p-Isopropyltoluene	13.30	119	1039731	54.168	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	497588	49.898	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	497711	50.165	ug/l	99
89) n-Butylbenzene	13.62	91	923687	53.125	ug/l	99
90) Hexachloroethane	13.88	117	166278	57.657	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	492809	51.433	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	68680	56.155	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	289189	54.618	ug/l	98

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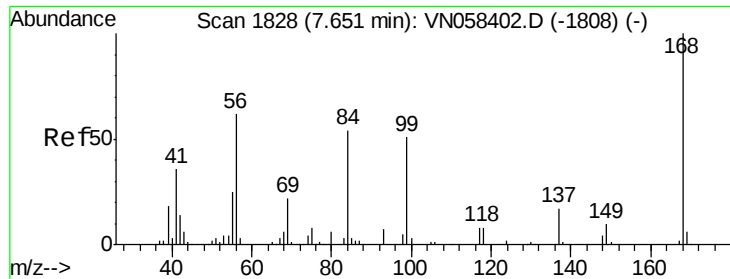
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	136701	50.232	ug/l	99
95) Naphthalene	15.13	128	812557	52.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	279692	52.691	ug/l	99

(#) = 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: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:168 Resp: 418603

Ion Ratio Lower Upper

168 100

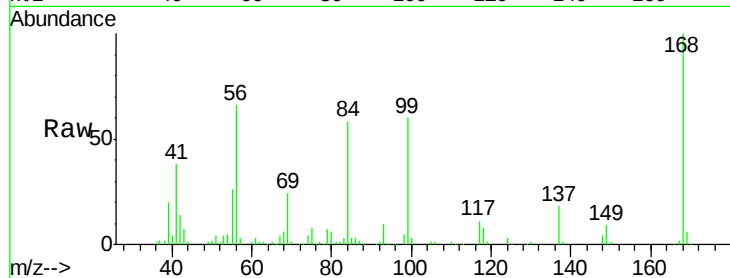
99 59.4 47.7 71.5

Manual Integrations

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10/2/2019 9:22:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

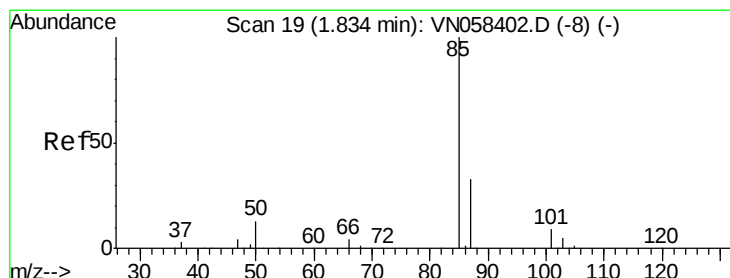
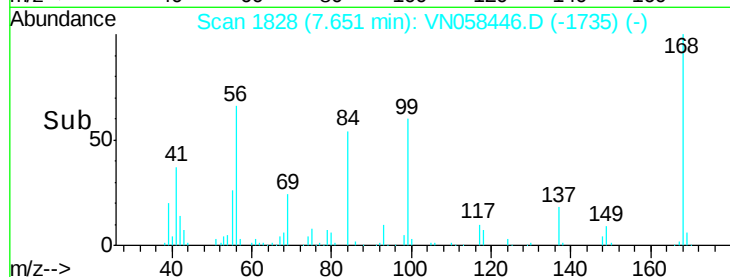
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.060 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058446.D

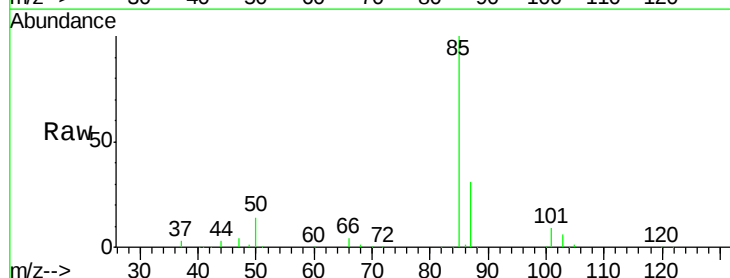
Acq: 30 Sep 2019 19:14

Tgt Ion: 85 Resp: 238955

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

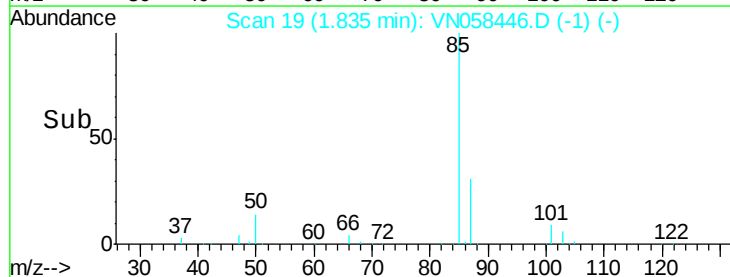
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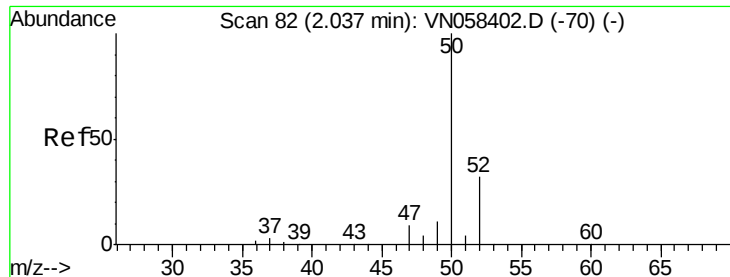
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 51.133 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 50 Resp: 258024

Ion Ratio Lower Upper

50 100

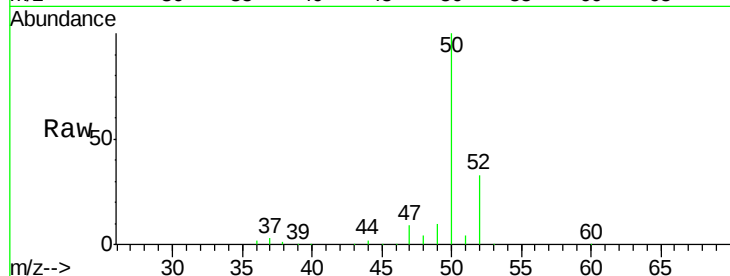
52 32.7 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

200000

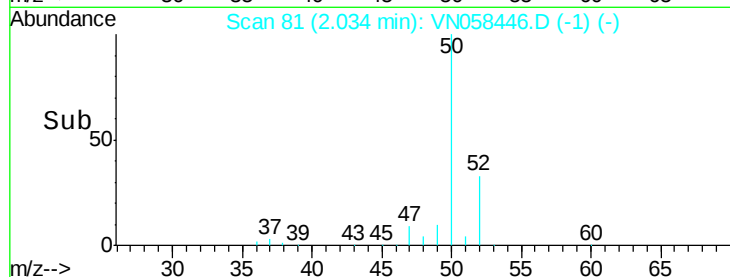
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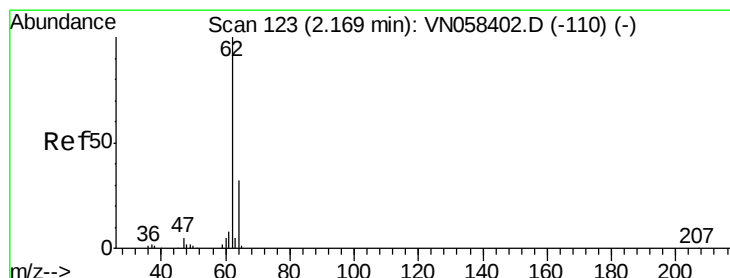
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 52.316 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058446.D

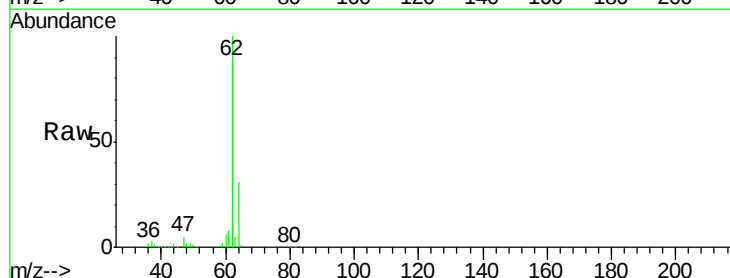
Acq: 30 Sep 2019 19:14

Tgt Ion: 62 Resp: 258610

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

200000

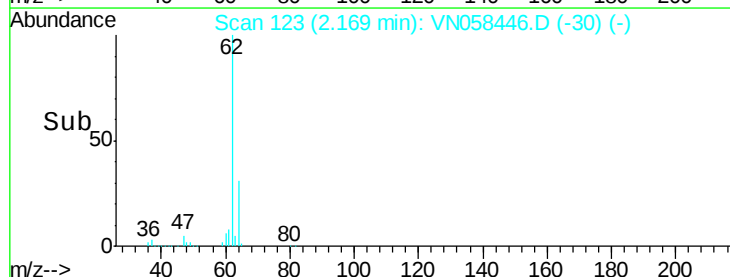
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100000

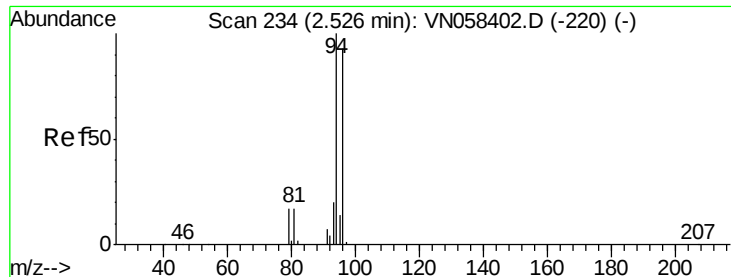
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 52.057 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 94 Resp: 136685

Ion Ratio Lower Upper

94 100

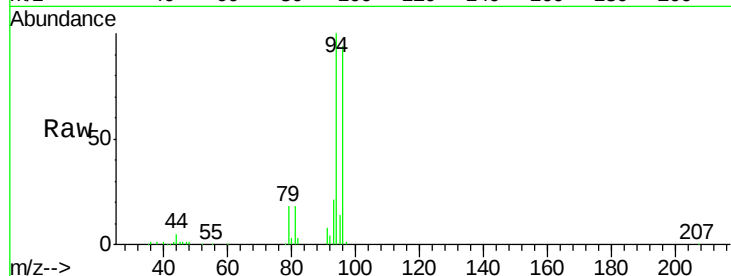
96 94.2 74.8 112.2

Manual Integrations

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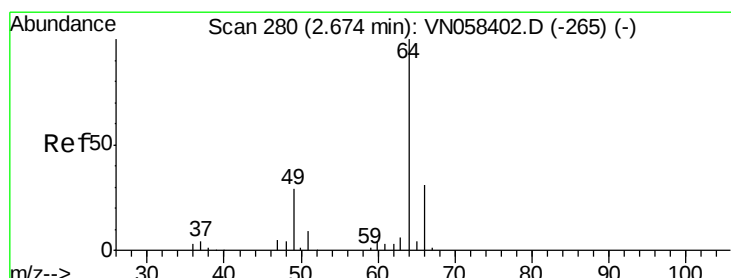
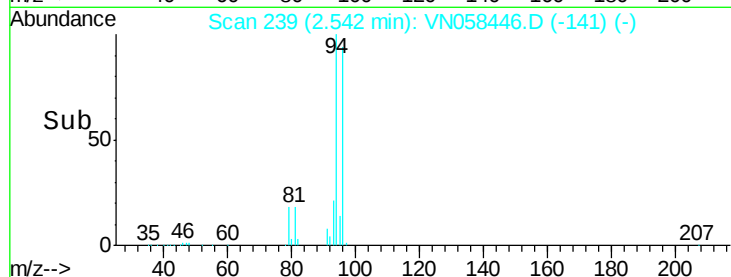
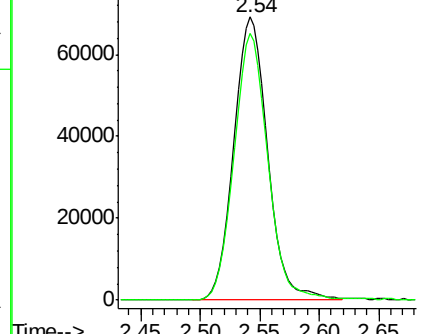
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10/2/2019 9:22:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.127 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058446.D

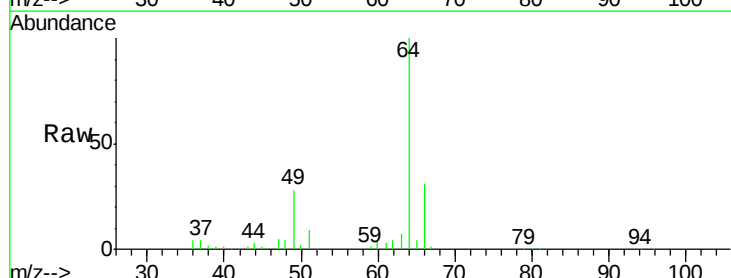
Acq: 30 Sep 2019 19:14

Tgt Ion: 64 Resp: 151431

Ion Ratio Lower Upper

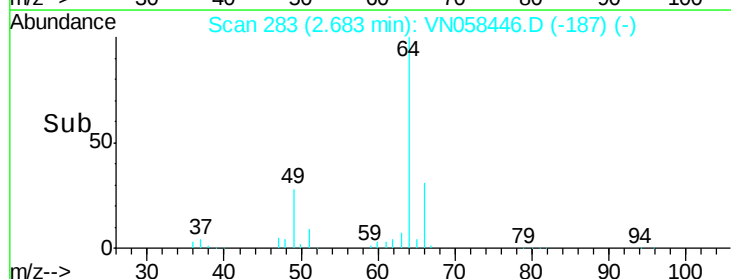
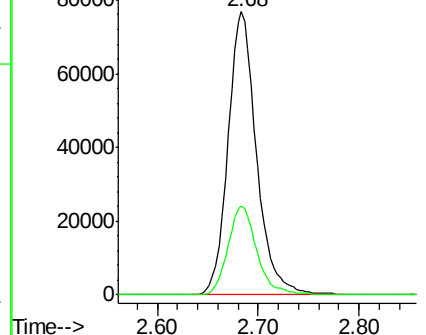
64 100

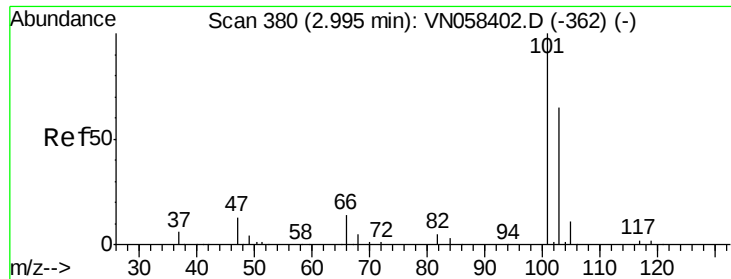
66 31.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

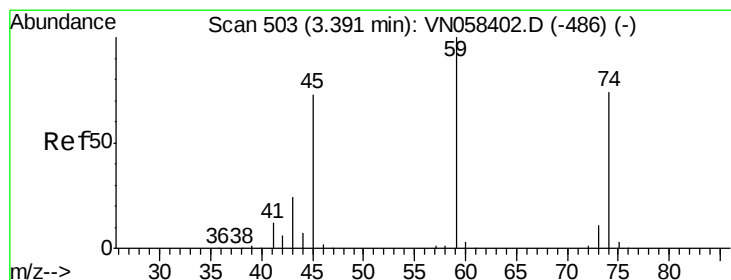
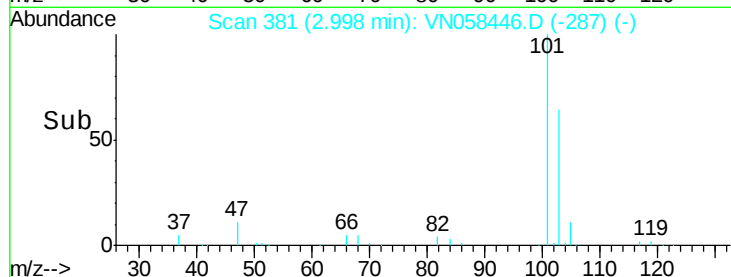
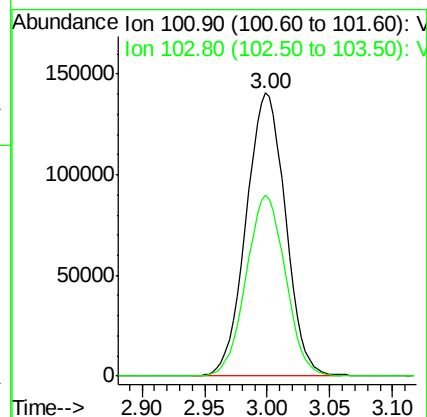
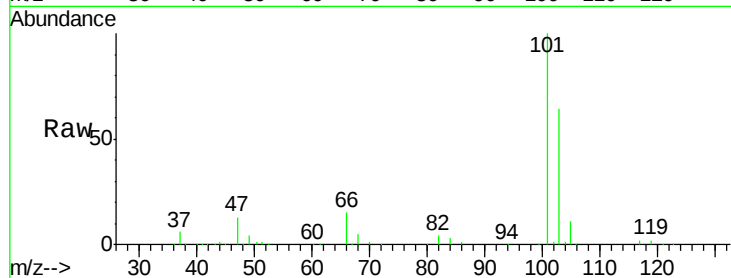
Trichlorofluoromethane
Concen: 51.507 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

Manual Integrations
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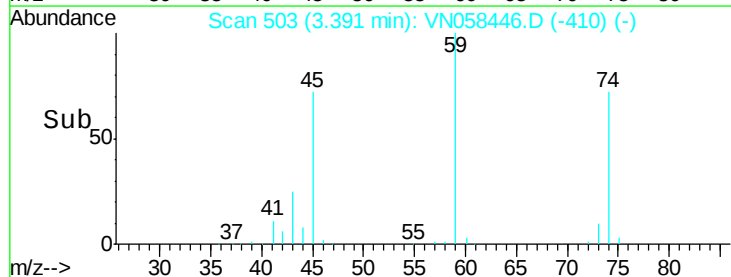
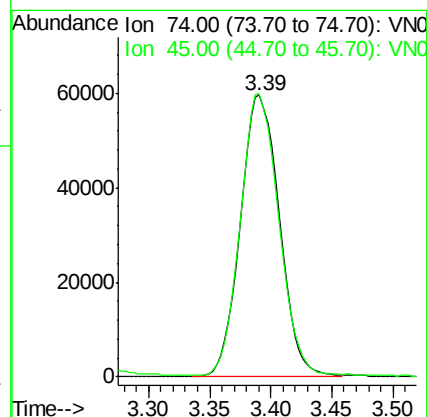
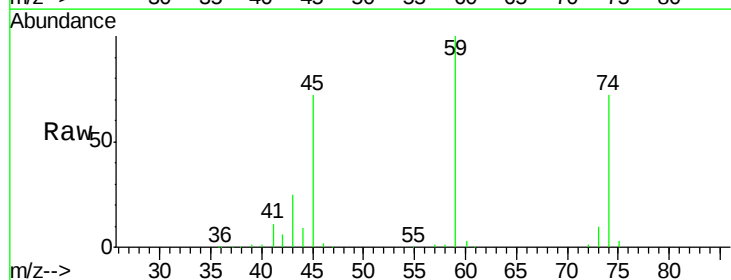
MMDadoda
10/2/2019 9:22:31 AM

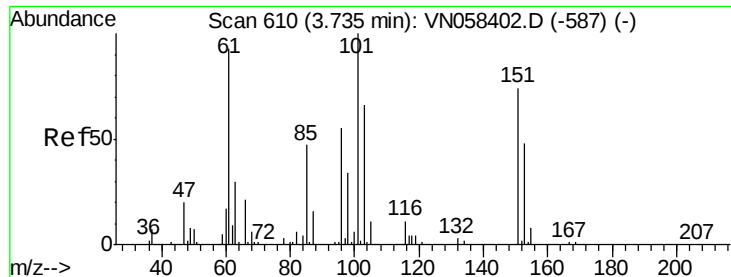


#8

Diethyl Ether
Concen: 51.420 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.858 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

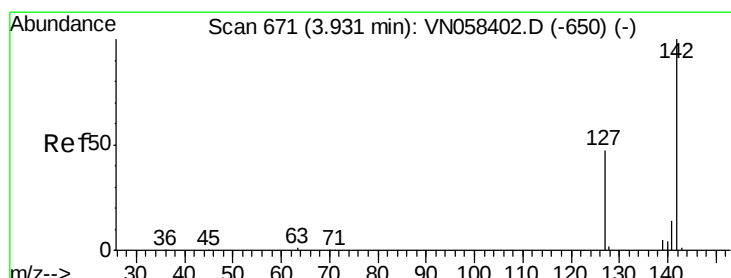
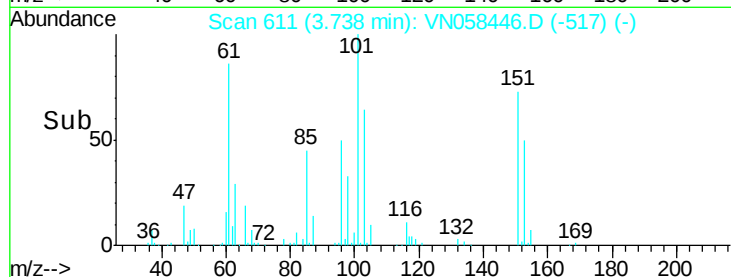
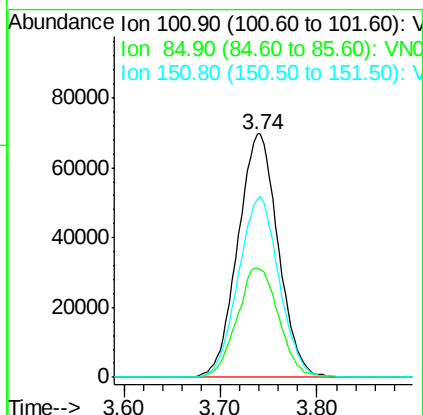
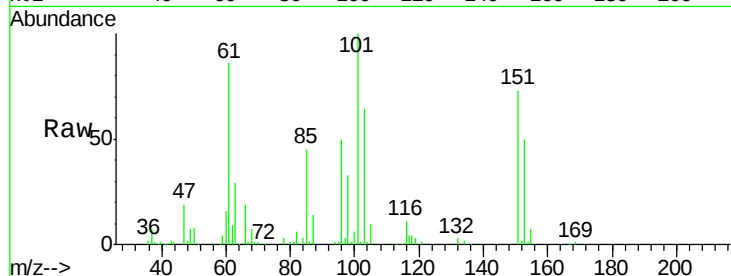
ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:	101	Resp:	201989
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.7	55.1
151	74.7	59.4	89.0

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 49.528 ug/l

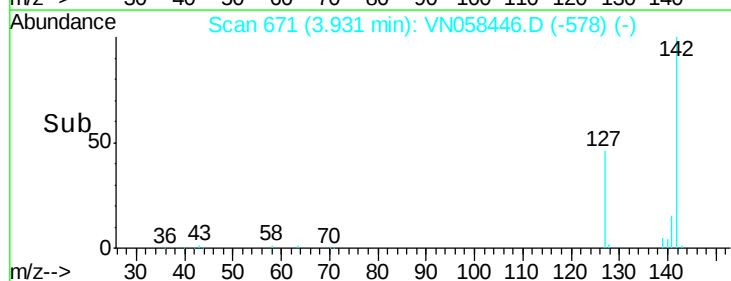
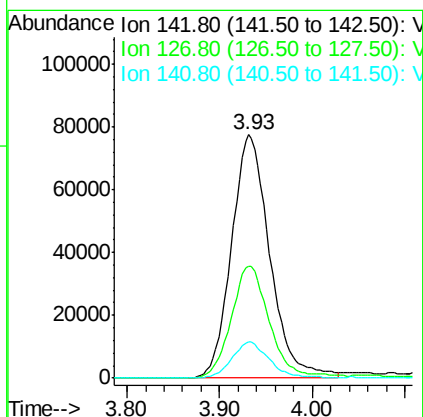
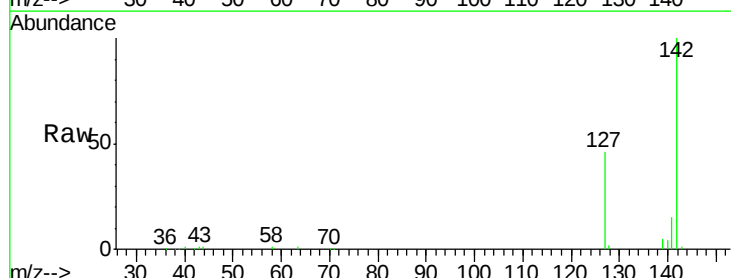
RT: 3.93 min Scan# 671

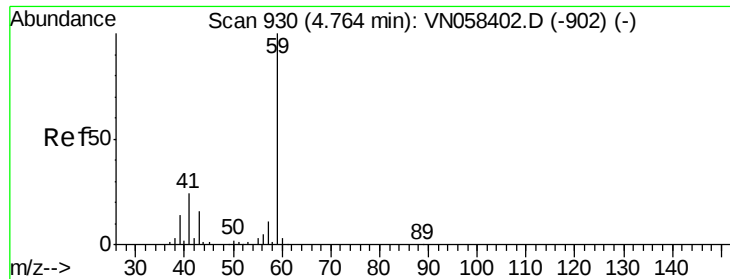
Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion:	142	Resp:	222487
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.2	55.8
141	14.3	11.3	16.9





#11

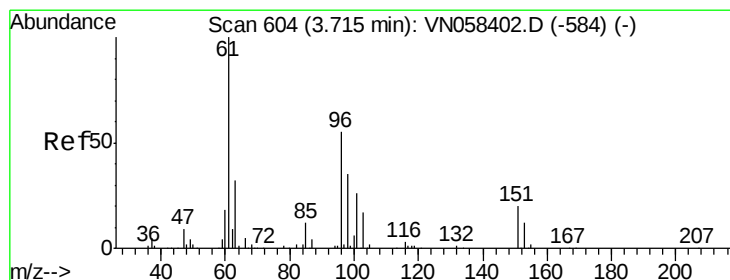
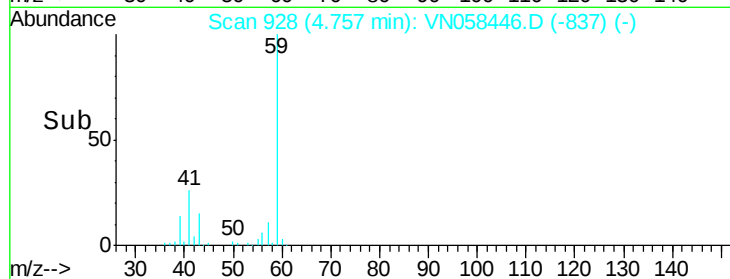
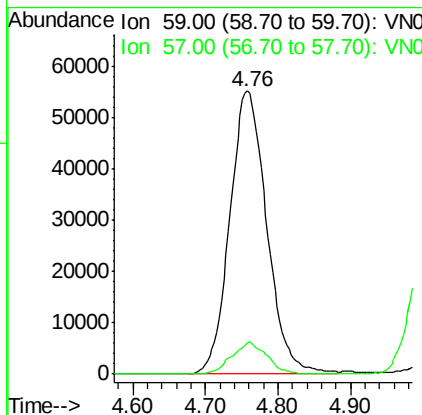
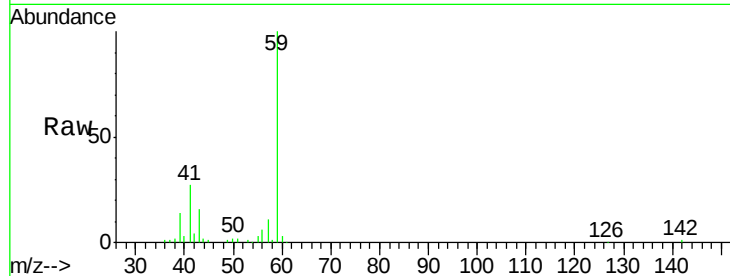
Tert butyl alcohol
 Concen: 288.951 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.4

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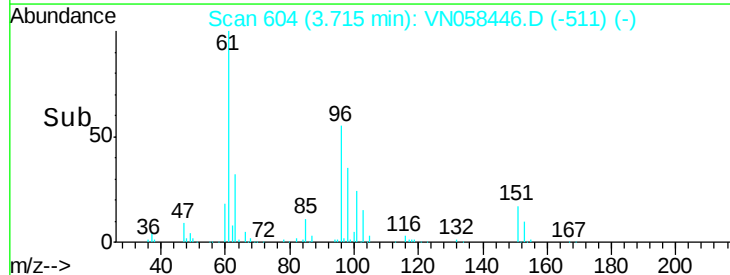
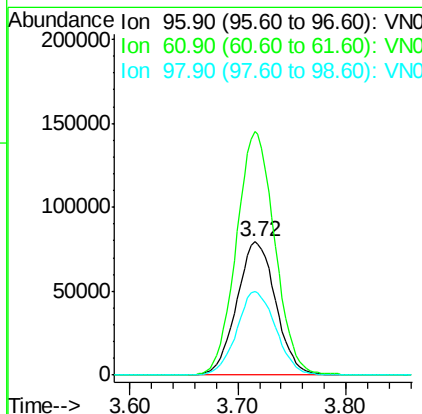
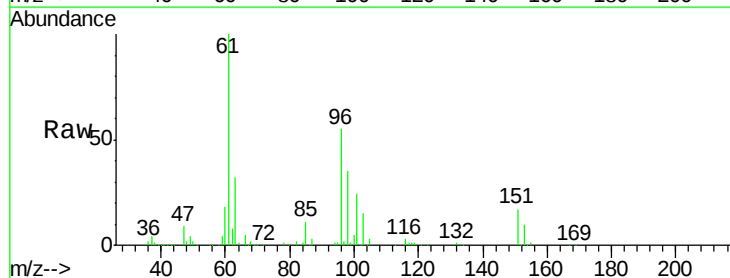
MMDadoda
 10/2/2019 9:22:31 AM

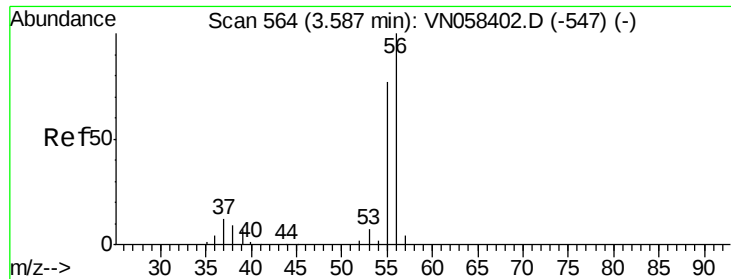


#12

1,1-Dichloroethene
 Concen: 50.360 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.5	146.7	220.1
98	63.1	51.3	76.9





#13

Acrolein

Concen: 308.155 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 56 Resp: 66606

Ion Ratio Lower Upper

56 100

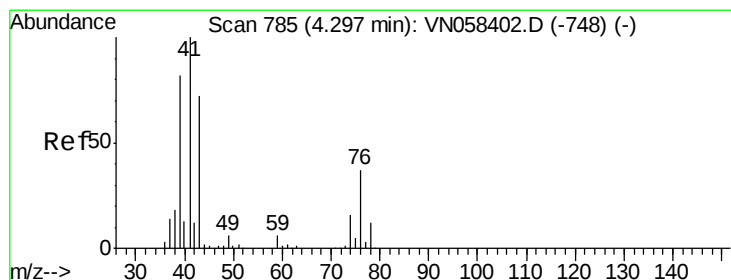
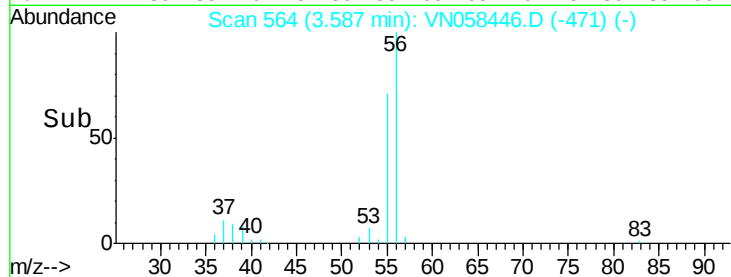
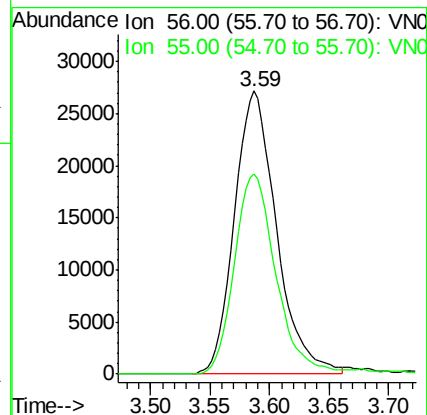
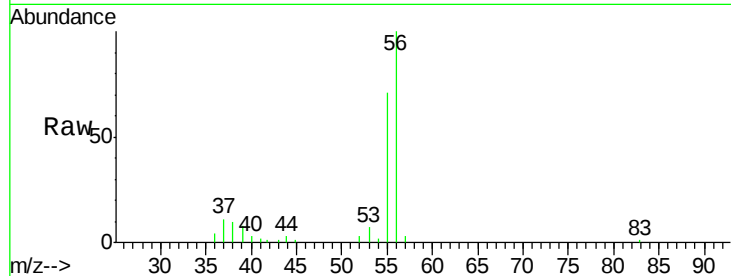
55 69.2 58.3 87.5

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 51.835 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

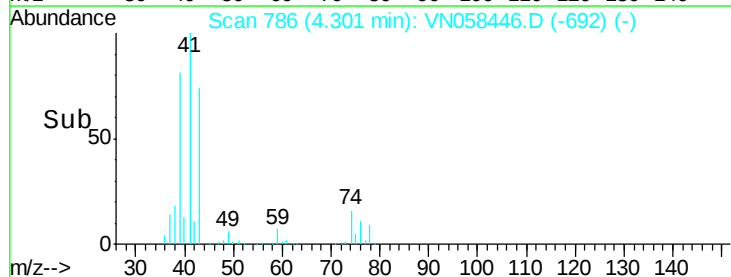
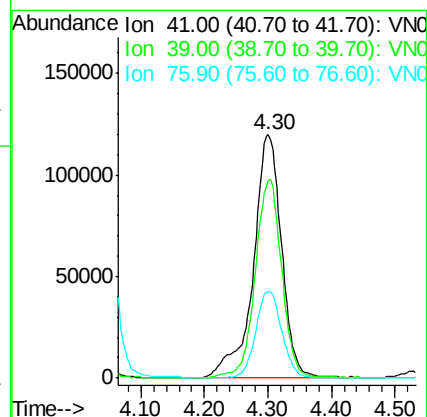
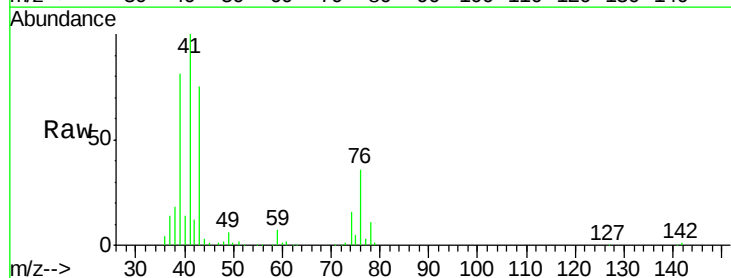
Tgt Ion: 41 Resp: 372501

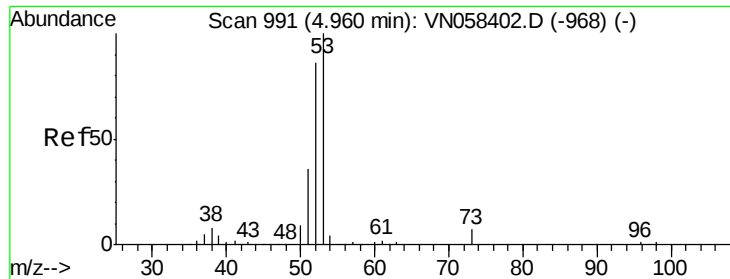
Ion Ratio Lower Upper

41 100

39 75.8 62.3 93.5

76 32.7 26.9 40.3





#15

Acrylonitrile

Concen: 271.614 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

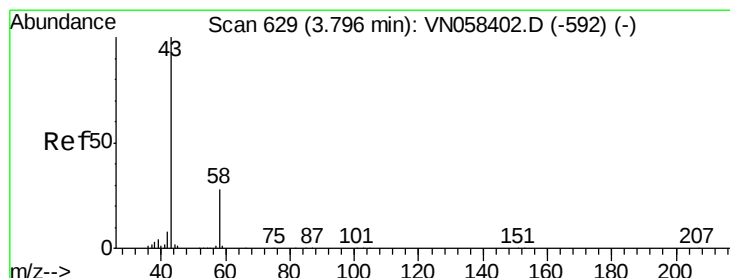
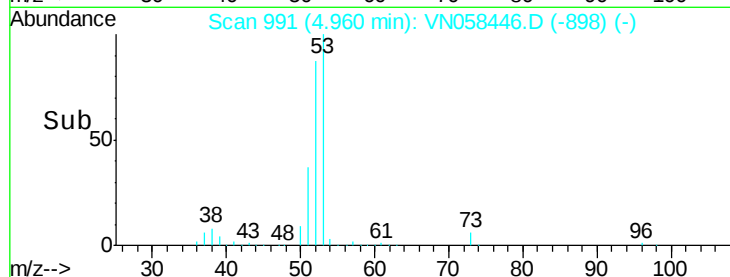
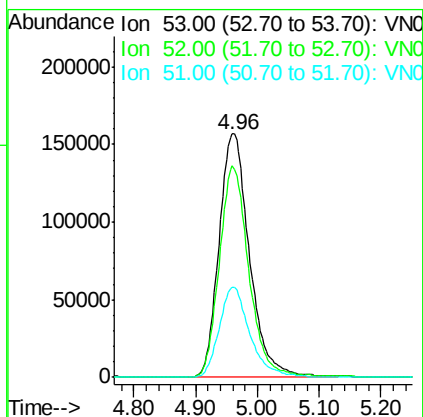
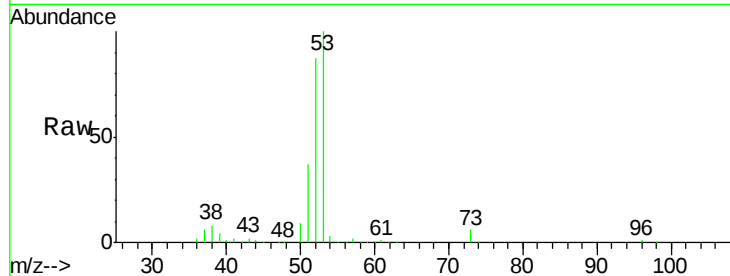
ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:	53	Resp:	537951
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 222.357 ug/l

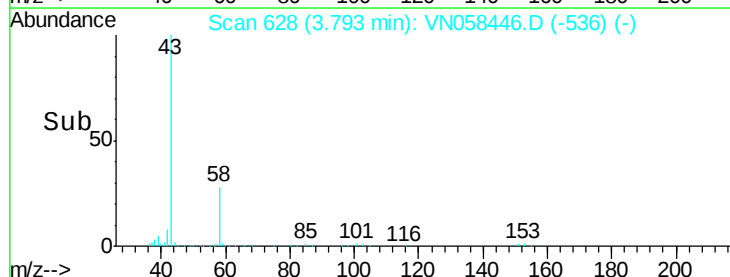
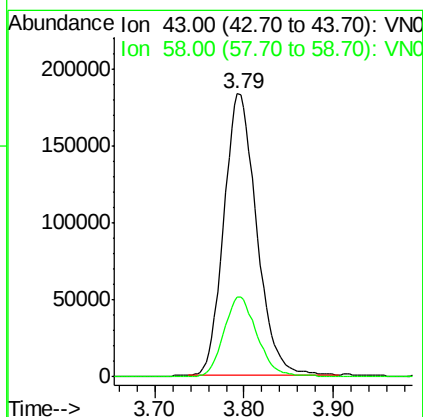
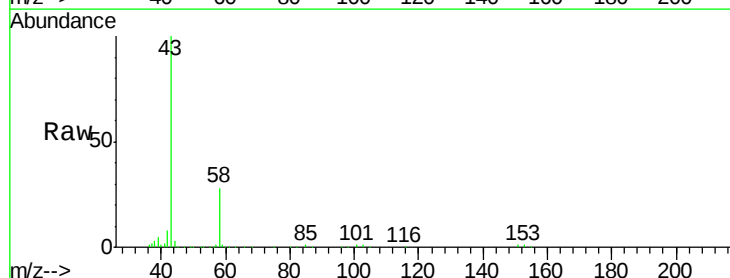
RT: 3.79 min Scan# 628

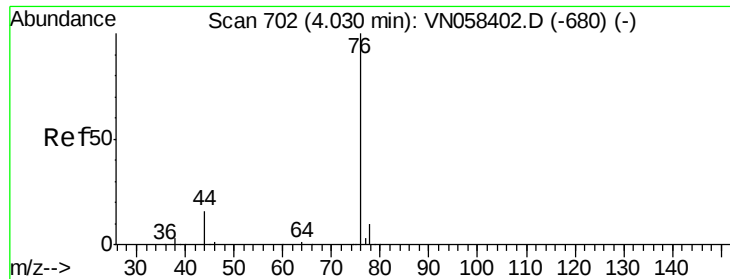
Delta R.T. -0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion:	43	Resp:	463681
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.4	33.6





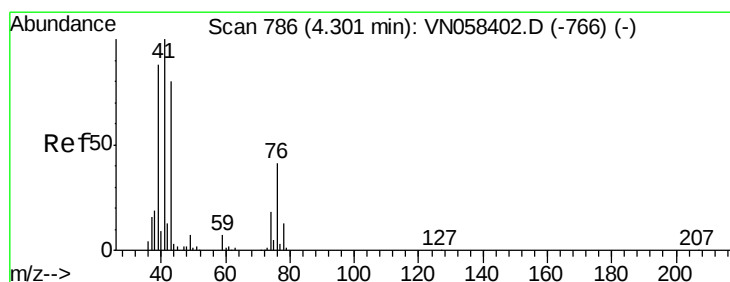
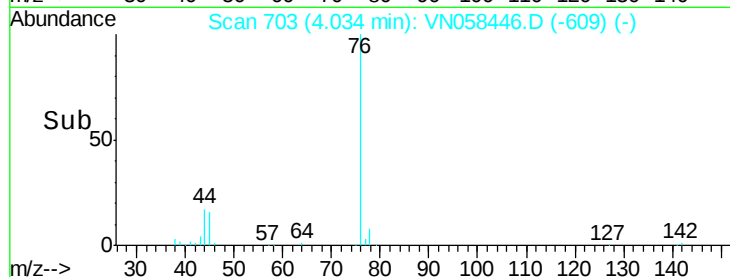
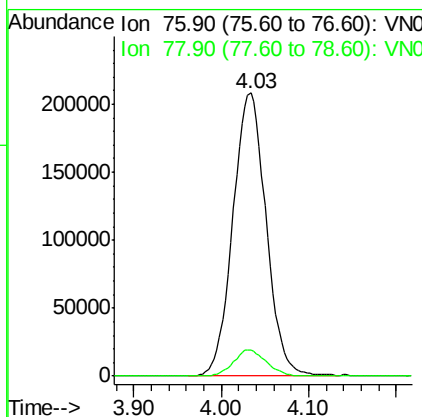
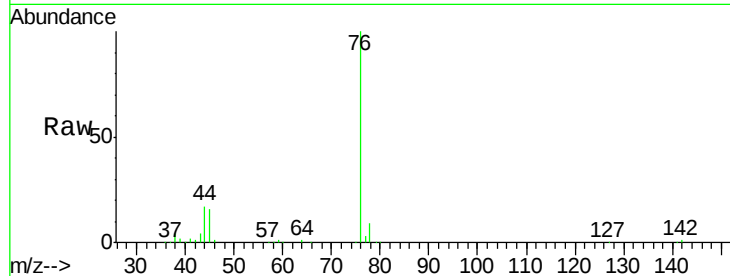
#17
Carbon Disulfide
Concen: 52.803 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

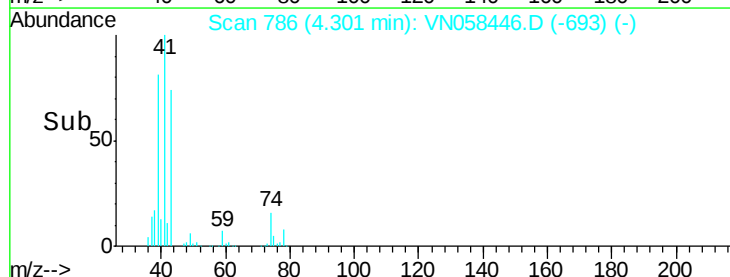
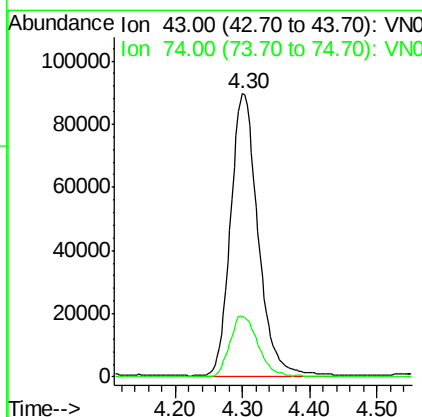
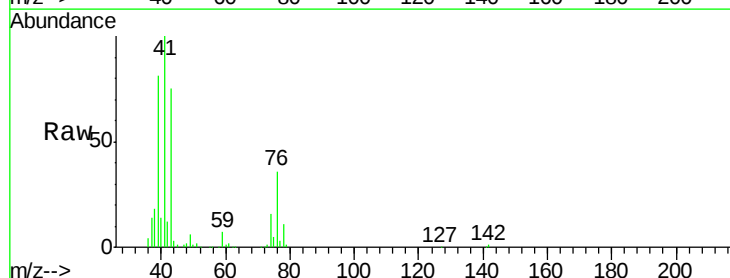
Manual Integrations
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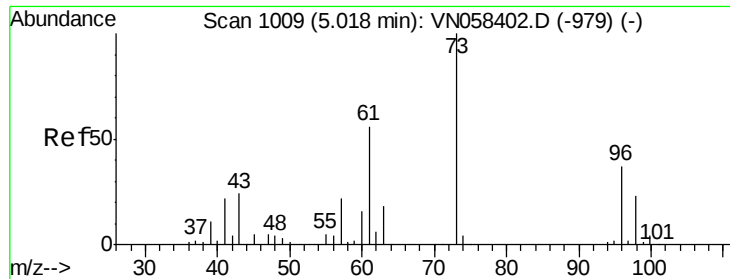
MMDadoda
10/2/2019 9:22:31 AM



#18
Methyl Acetate
Concen: 48.364 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.0	27.0





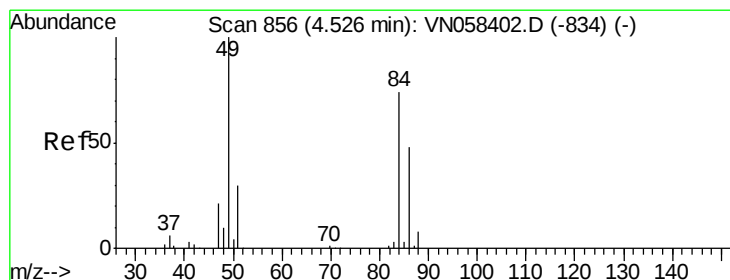
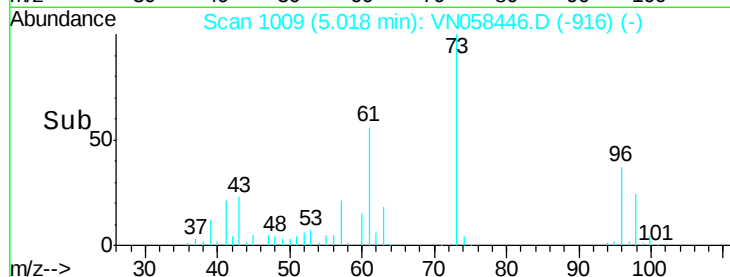
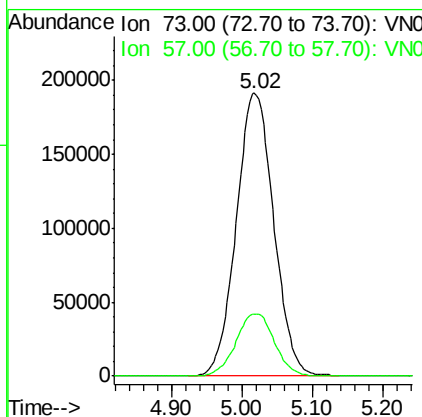
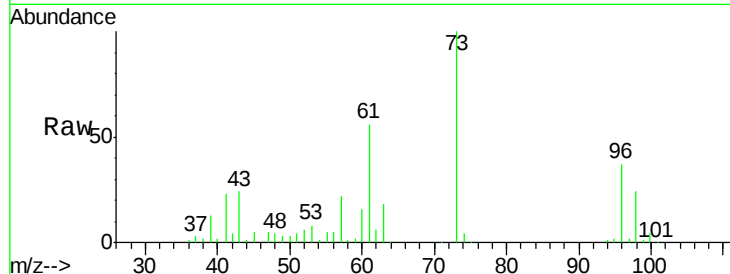
#19
Methvl tert-butvl Ether
Concen: 50.903 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion: 73 Resp: 709241
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

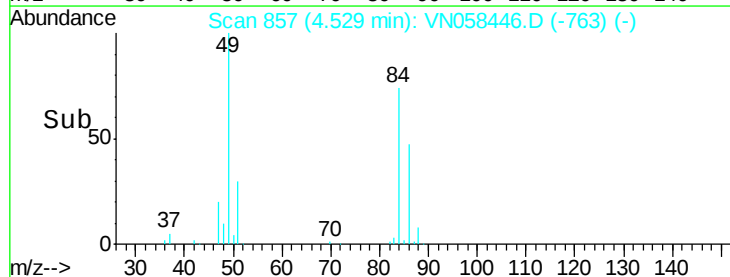
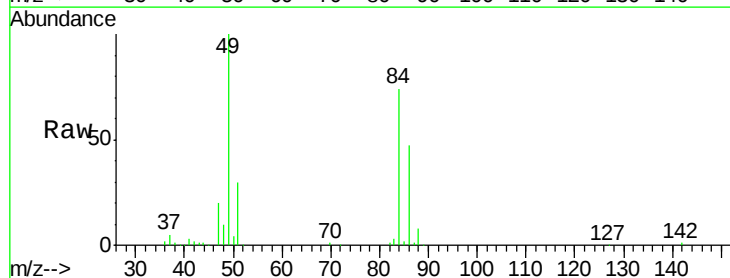
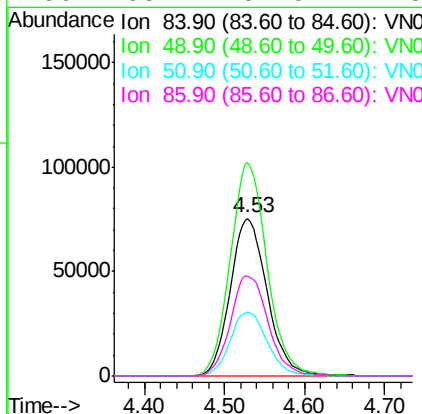
Manual Integrations
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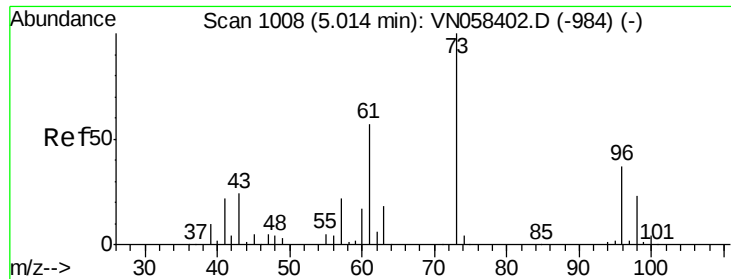
MMDadoda
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#20
Methylene Chloride
Concen: 49.147 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion: 84 Resp: 236509
Ion Ratio Lower Upper
84 100
49 135.5 107.9 161.9
51 40.4 32.8 49.2
86 63.4 51.5 77.3





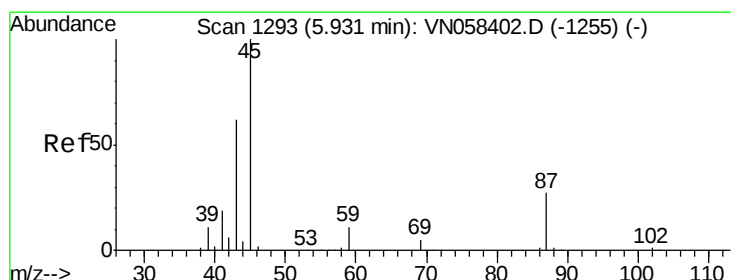
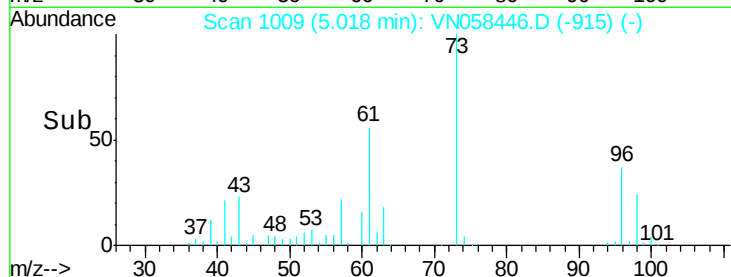
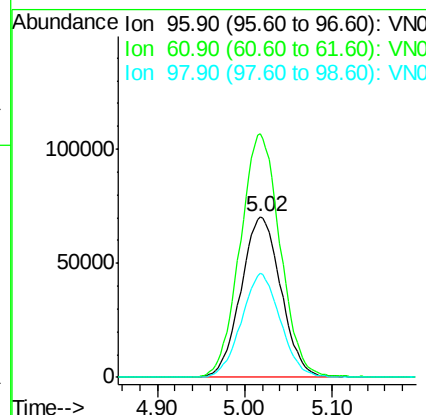
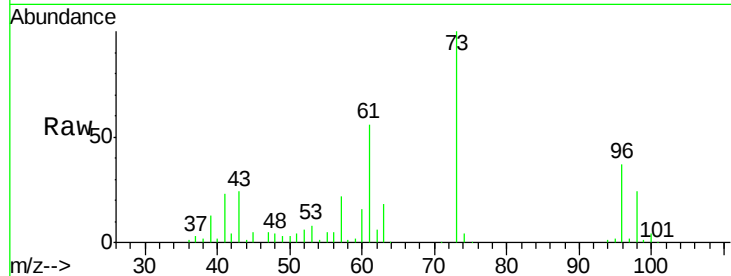
#21
trans-1,2-Dichloroethene
Concen: 50.883 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		223439		
61	151.4	121.9	182.9		
98	64.5	49.3	73.9		

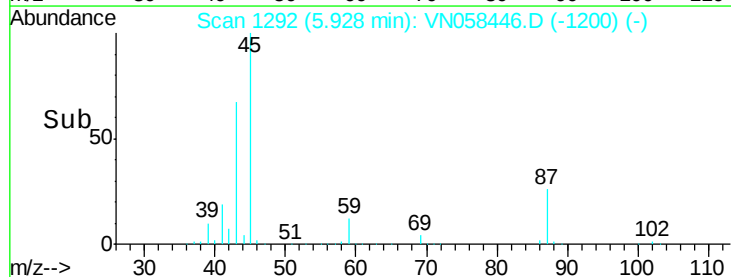
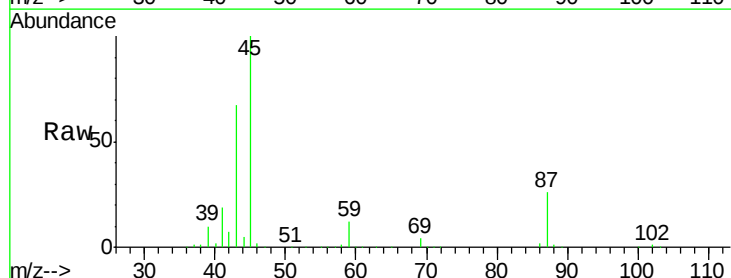
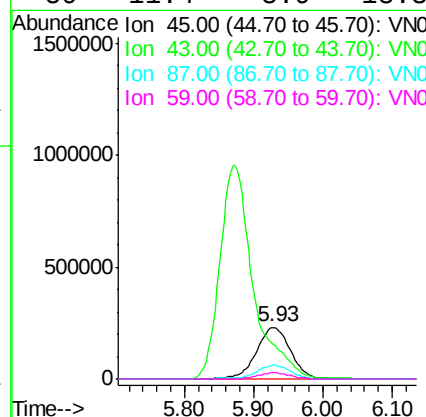
Manual Integrations
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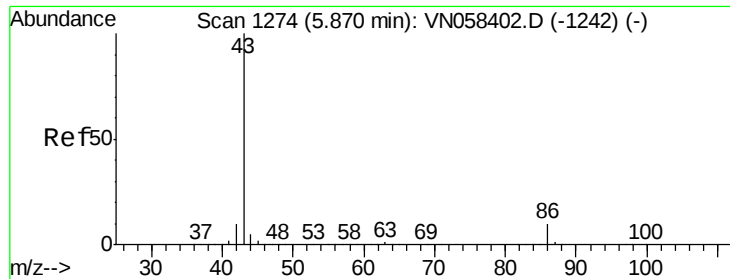
MMDadoda
10/2/2019 9:22:31 AM



#22
Diisopropyl ether
Concen: 51.374 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		794475		
43	66.1	49.7	74.5		
87	26.0	21.5	32.3		
59	11.4	8.9	13.3		





#23

Vinyl Acetate

Concen: 274.884 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 43 Resp: 3205259

Ion Ratio Lower Upper

43 100

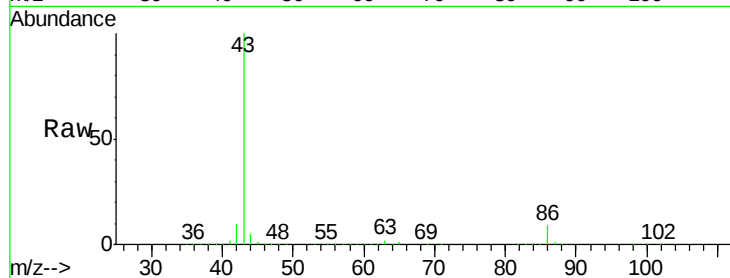
86 9.2 7.7 11.5

Manual Integrations

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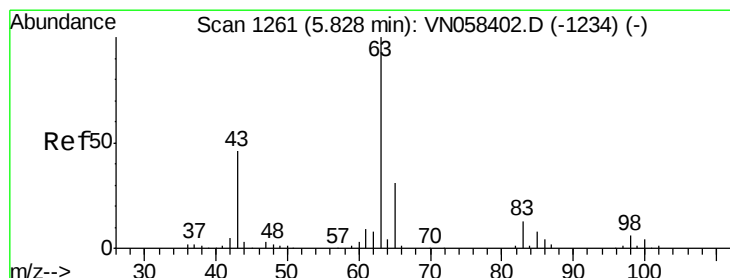
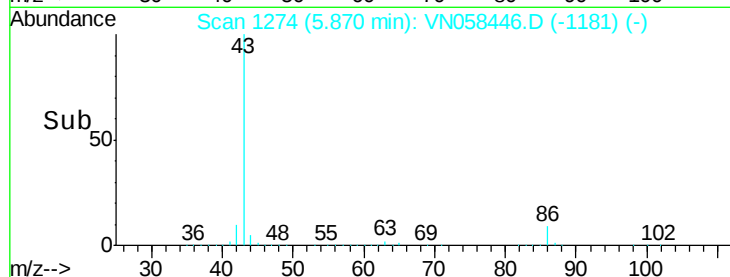
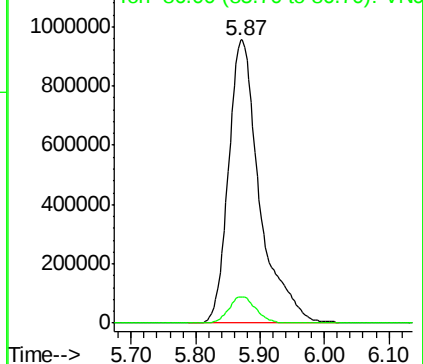
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.737 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

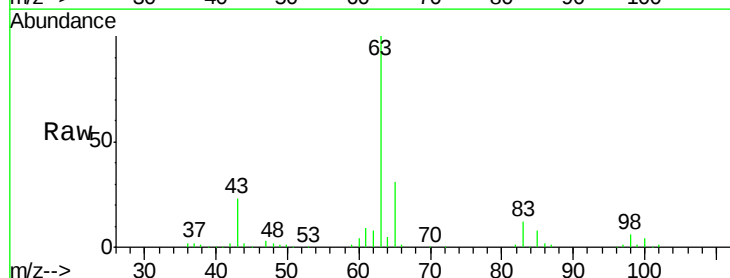
Tgt Ion: 63 Resp: 450282

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

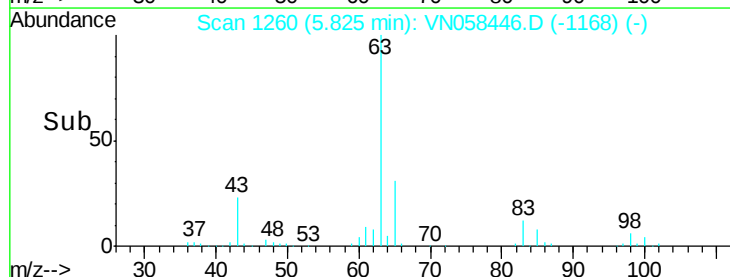
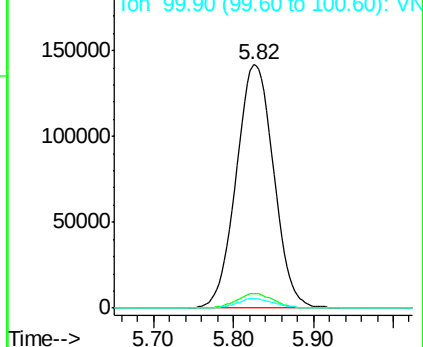
100 3.9 2.0 5.8

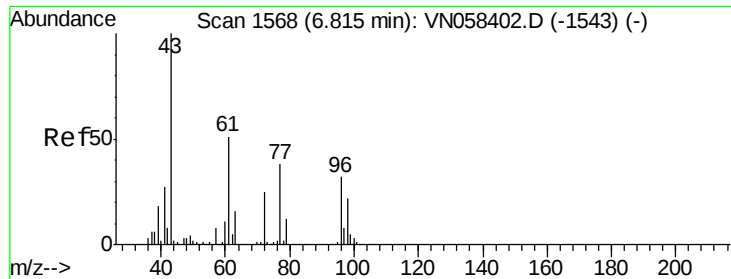


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 257.609 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 43 Resp: 737547

Ion Ratio Lower Upper

43 100

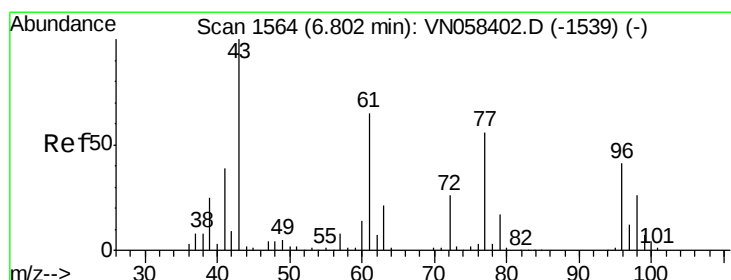
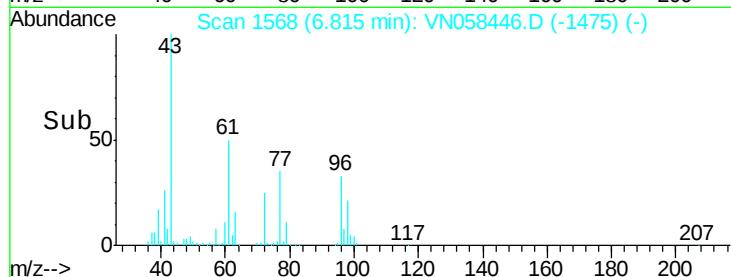
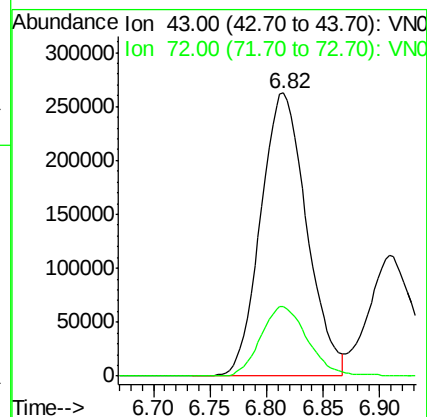
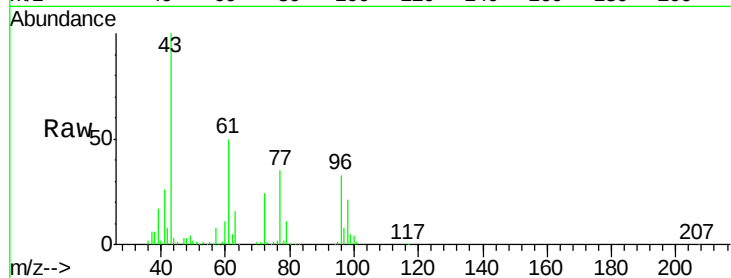
72 24.5 20.2 30.4

Manual Integrations

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MMDadoda

10/2/2019 9:22:31 AM



#26

2,2-Dichloropropane

Concen: 47.094 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058446.D

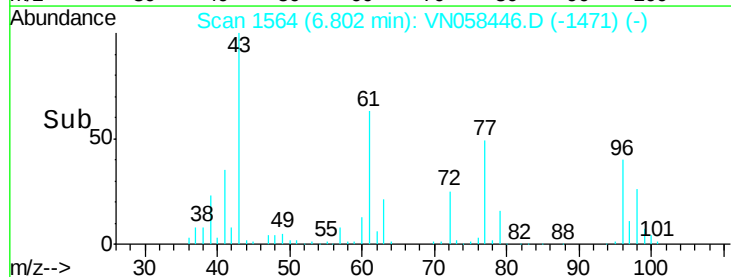
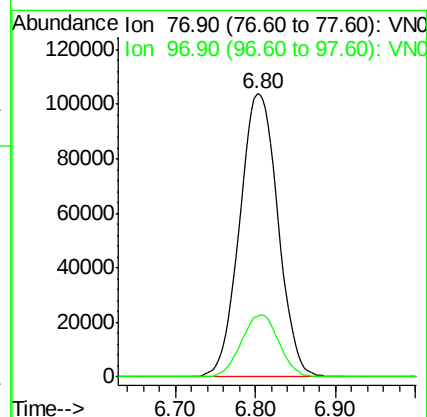
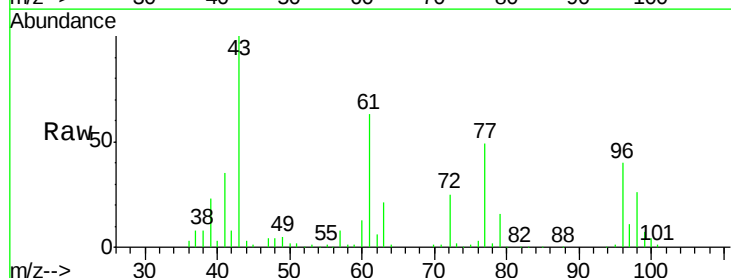
Acq: 30 Sep 2019 19:14

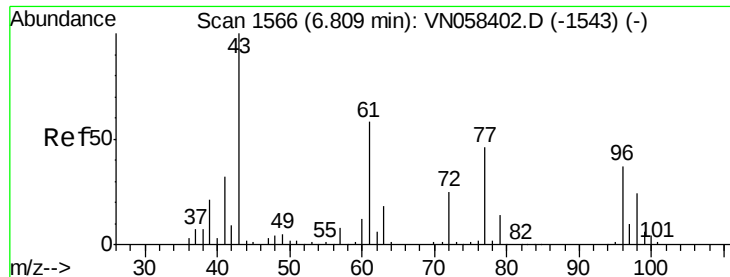
Tgt Ion: 77 Resp: 336960

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.070 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

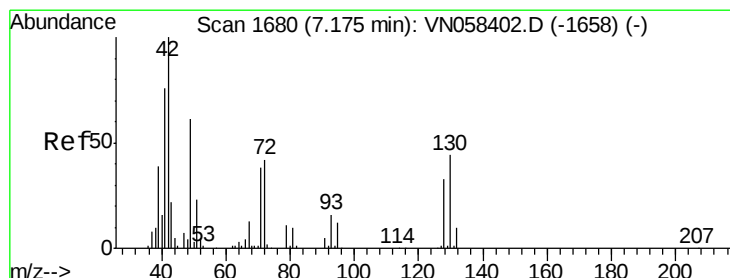
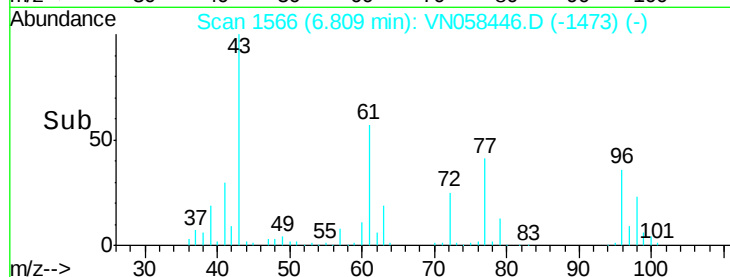
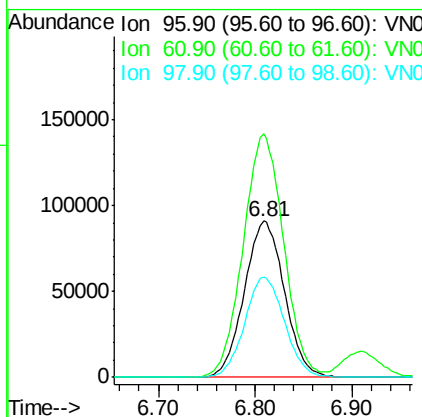
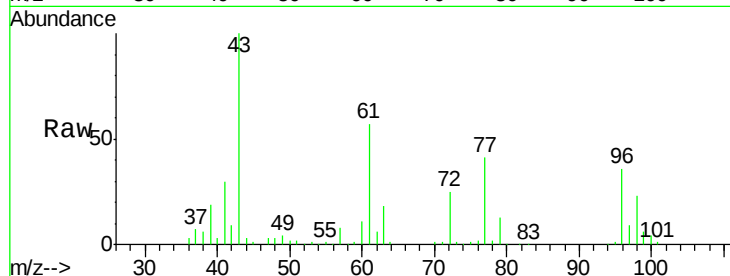
ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:	96	Resp:	262109
Ion Ratio	Lower	Upper	
96	100		
61	156.9	0.0	318.8
98	63.8	0.0	129.8

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#28

Bromochloromethane

Concen: 53.436 ug/l

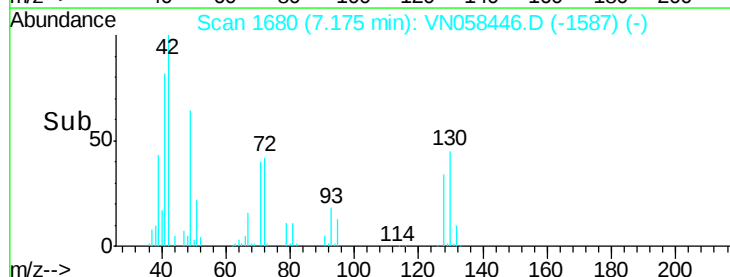
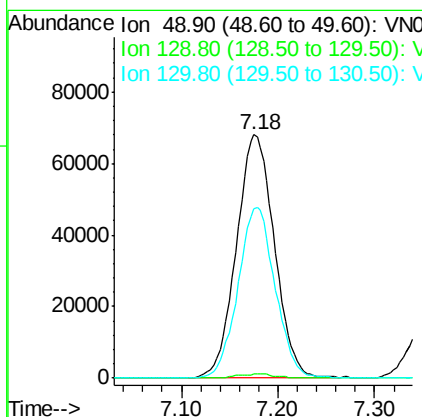
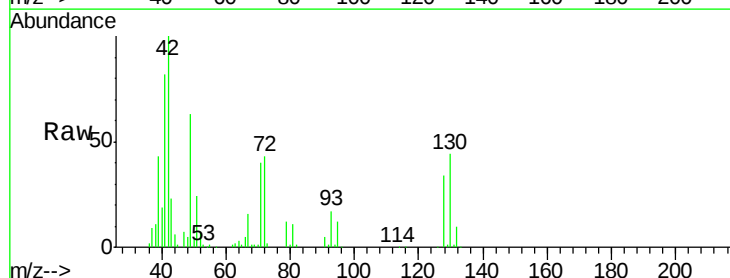
RT: 7.18 min Scan# 1680

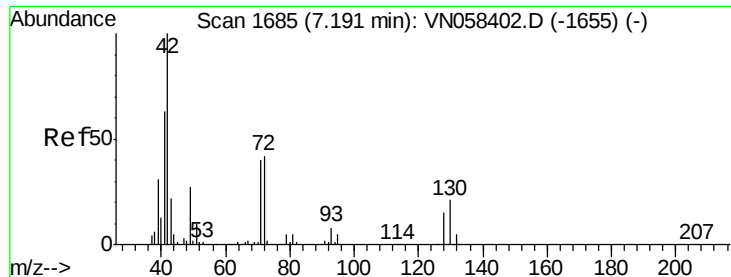
Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion:	49	Resp:	185901
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.4
130	68.6	56.3	84.5





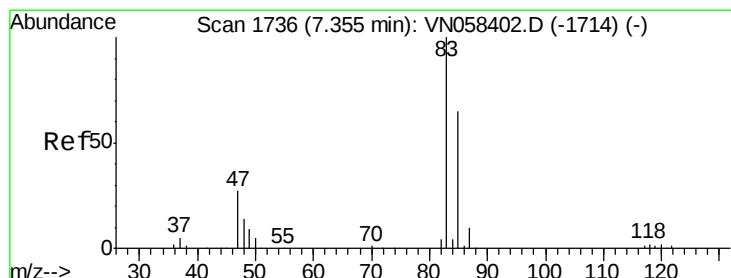
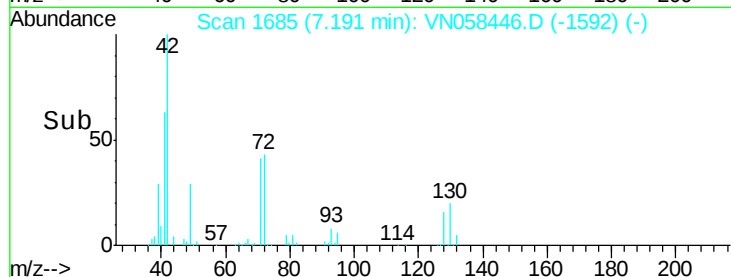
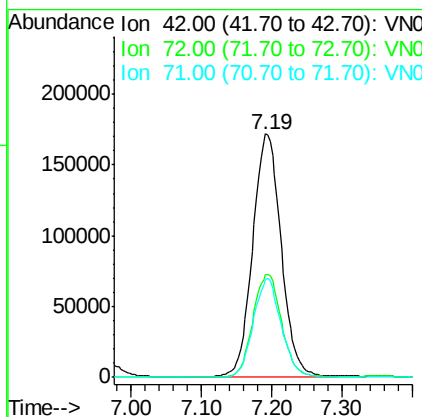
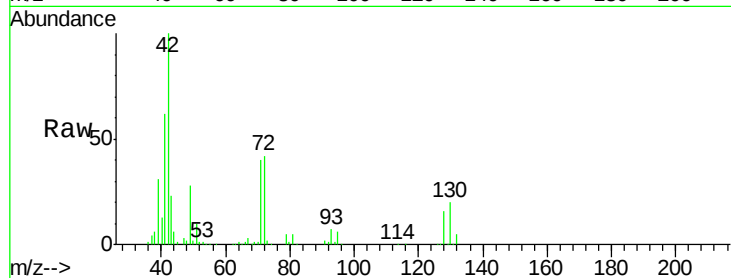
#29
Tetrahydrofuran
Concen: 266.655 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.6	31.8	47.6

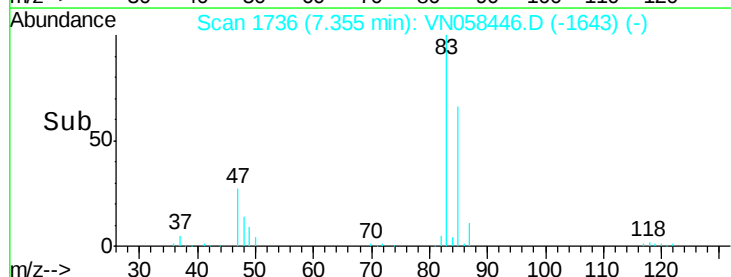
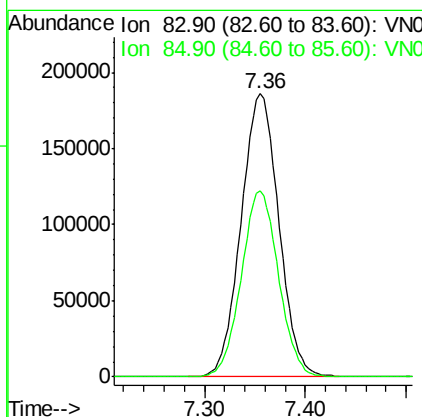
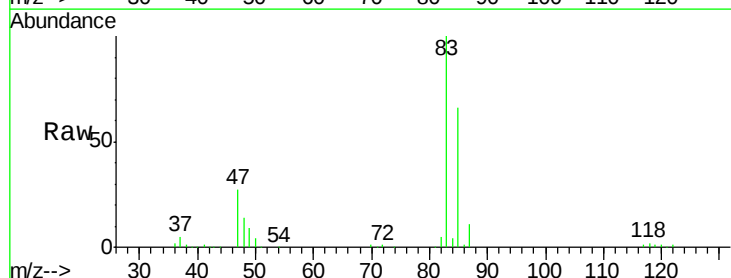
Manual Integrations
APPROVED

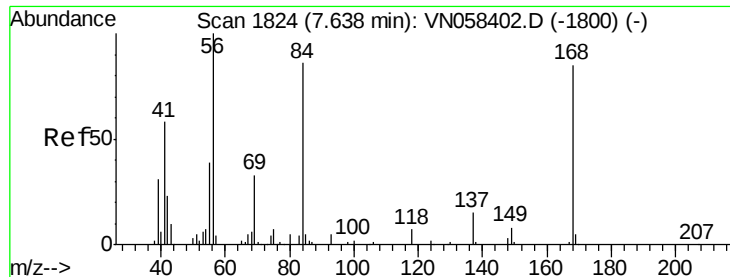
MMDadoda
10/2/2019 9:22:31 AM



#30
Chloroform
Concen: 54.749 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.0	78.0





#31

Cyclohexane

Concen: 49.205 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

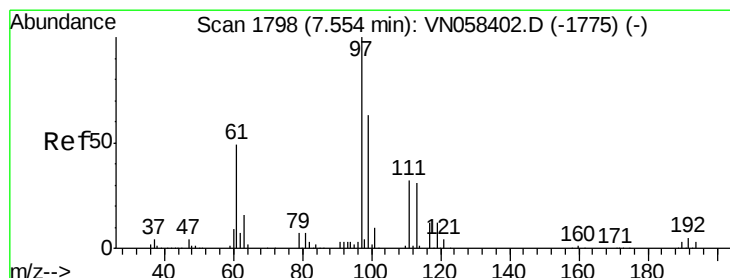
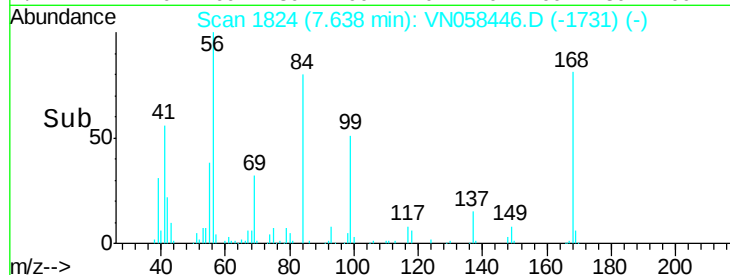
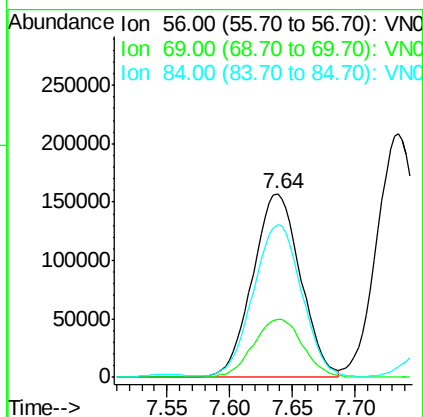
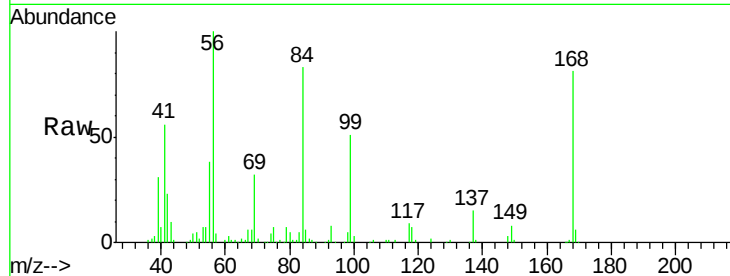
ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:	56	Resp:	416565
Ion Ratio	Lower	Upper	
56	100		
69	31.5	26.2	39.4
84	82.0	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.957 ug/l

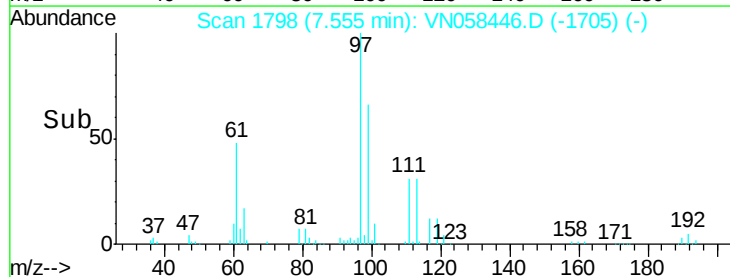
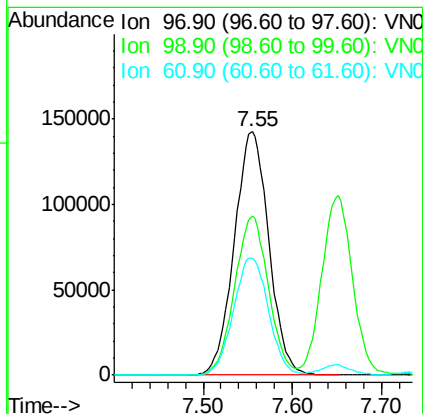
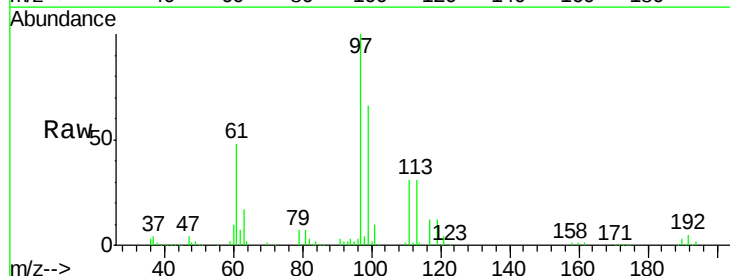
RT: 7.55 min Scan# 1798

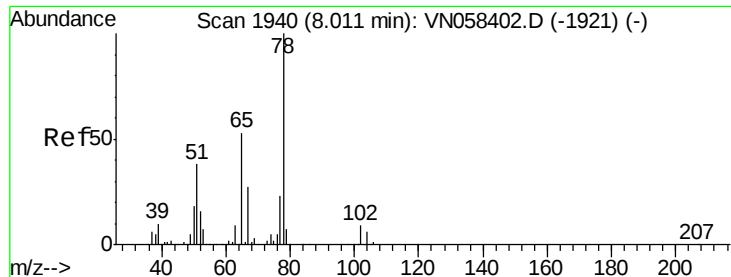
Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion:	97	Resp:	383534
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.1	76.7
61	48.7	39.2	58.8





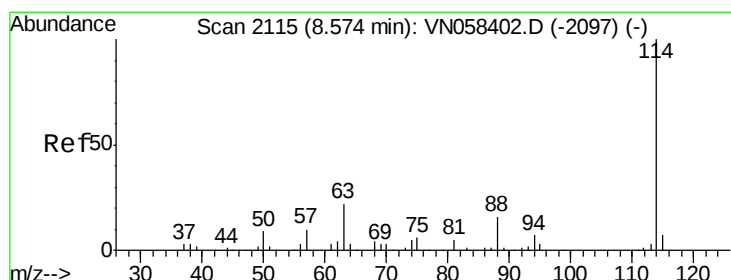
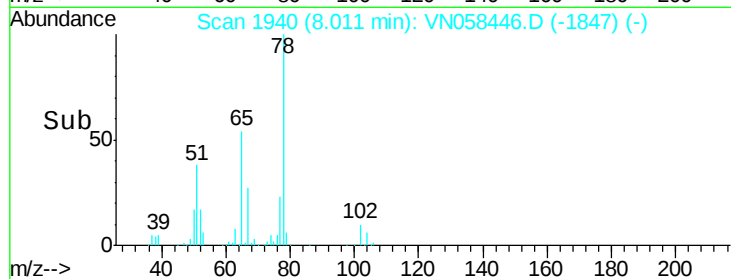
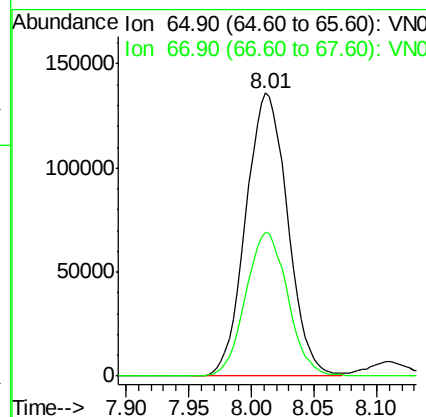
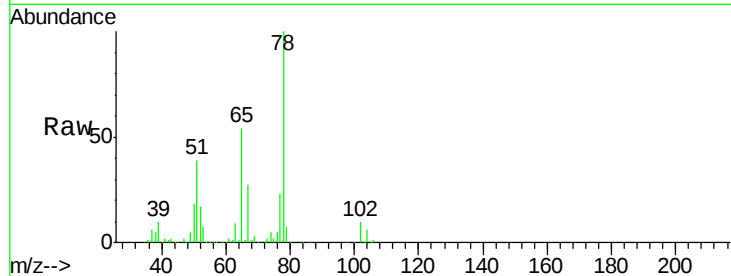
#33
 1,2-Dichloroethane-d4
 Concen: 51.797 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.0	0.0	102.4	

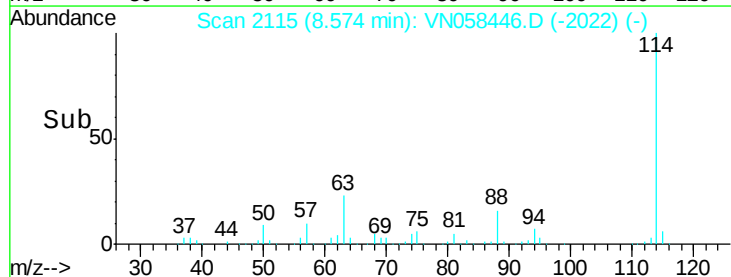
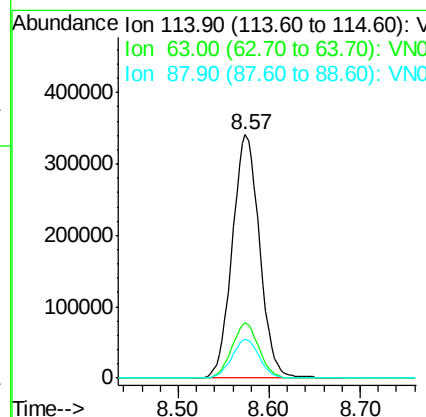
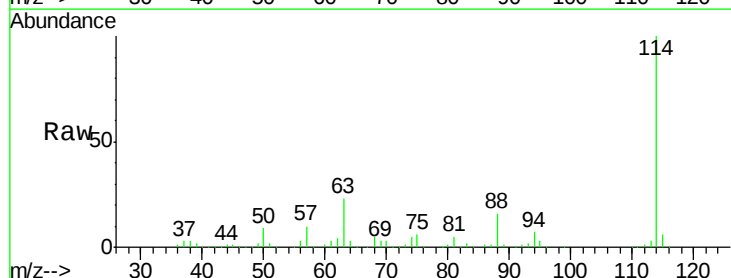
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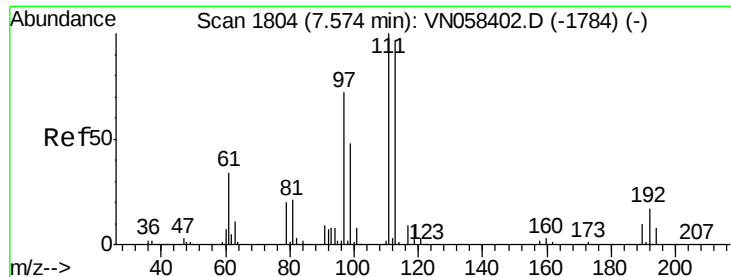
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	45.0	
88	16.0	0.0	32.2	





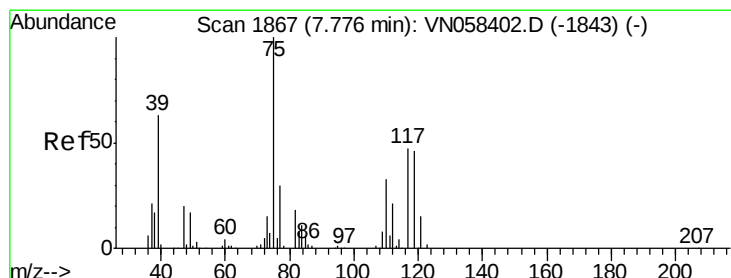
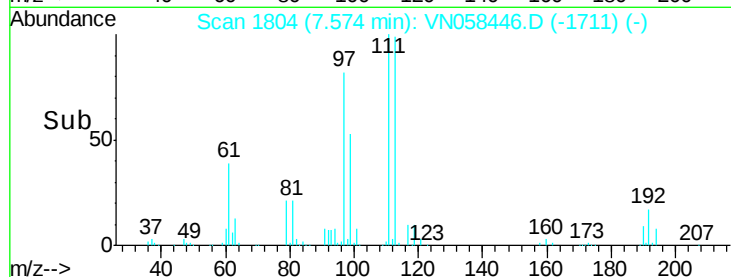
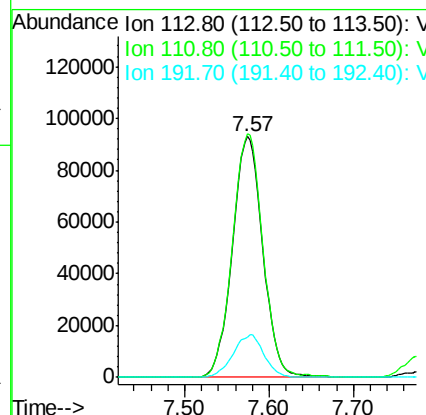
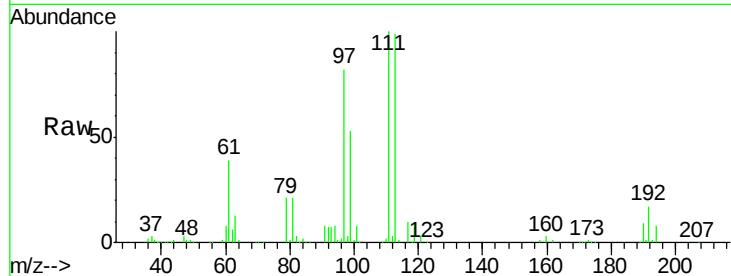
#35
 Dibromofluoromethane
 Concen: 53.453 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232702		
111	101.0	83.4	125.2	
192	17.9	14.9	22.3	

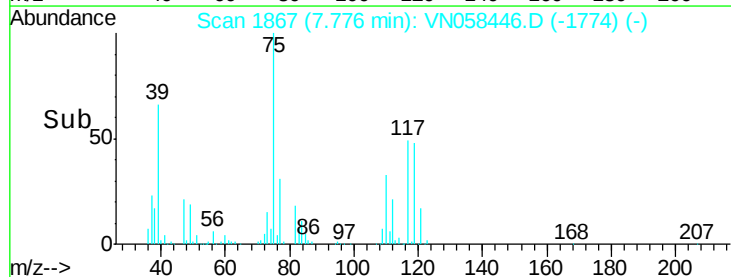
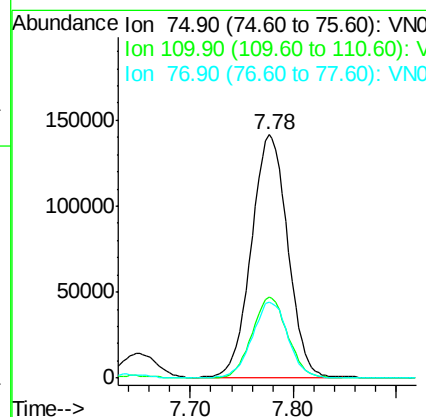
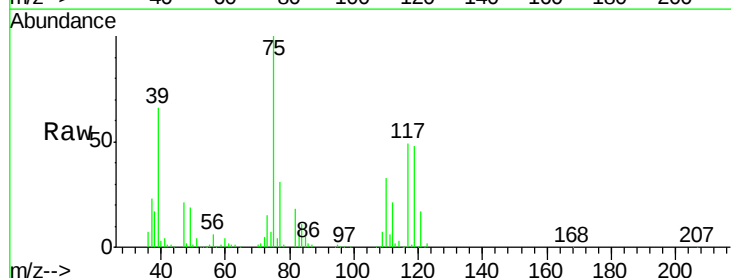
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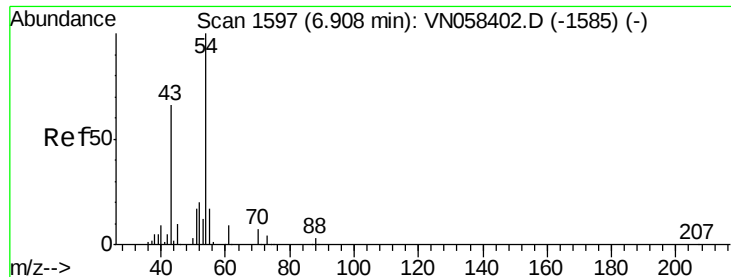
MMDadoda
 10/2/2019 9:22:31 AM



#36
 1,1-Dichloropropene
 Concen: 50.802 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	345038		
110	32.7	16.4	49.2	
77	31.0	24.3	36.5	





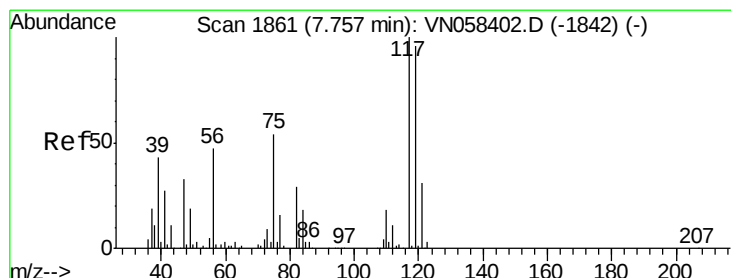
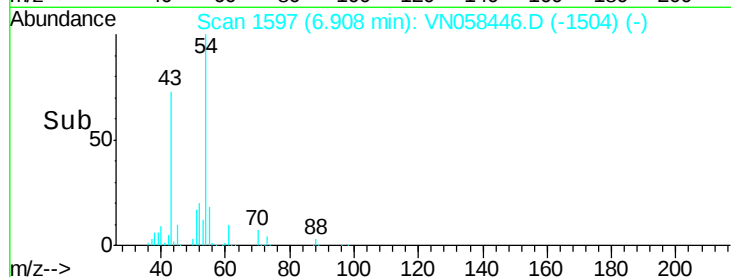
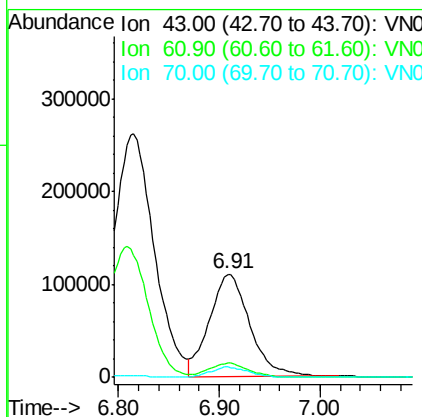
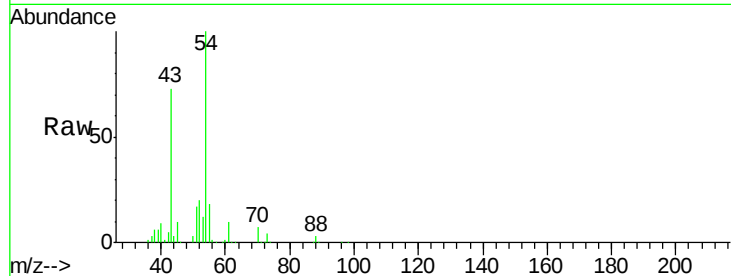
#37
Ethyl Acetate
Concen: 53.315 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.8	7.8	11.6

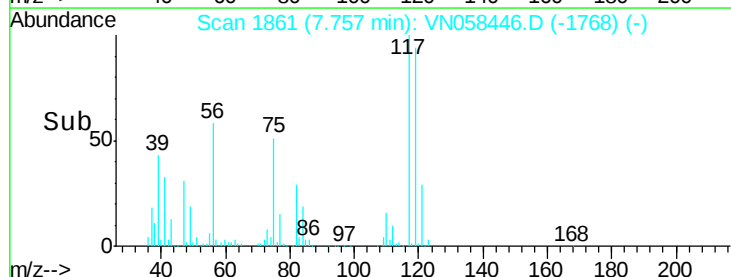
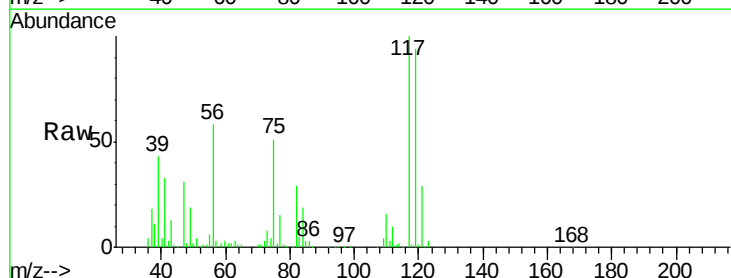
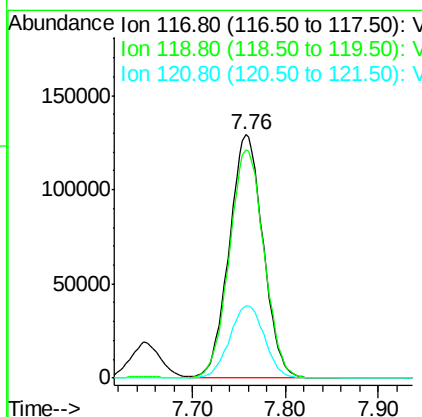
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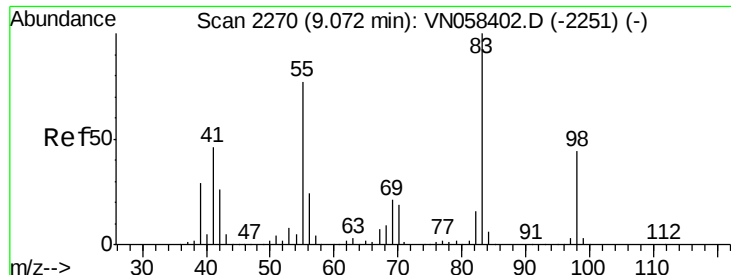
MMDadoda
10/2/2019 9:22:31 AM



#38
Carbon Tetrachloride
Concen: 53.483 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.6	115.0
121	29.5	24.7	37.1





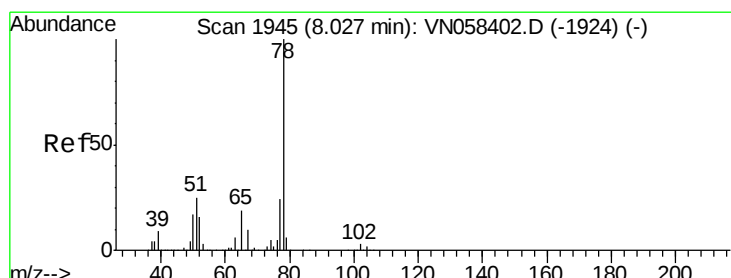
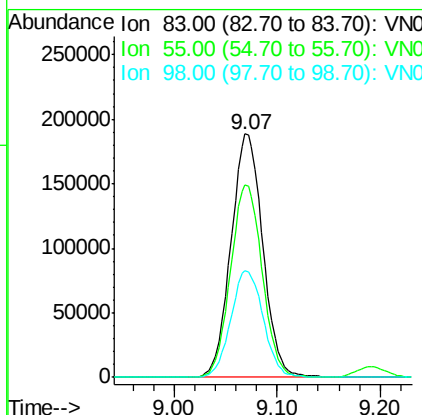
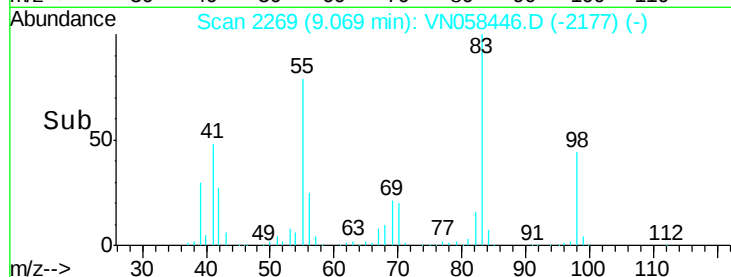
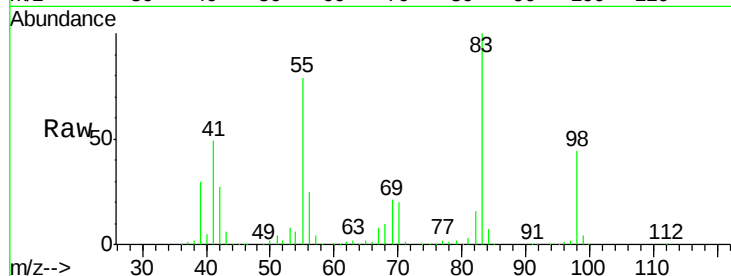
#39
Methvlcvclohexane
Concen: 51.165 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	405816		
55	79.3		61.8	92.6
98	44.1		35.4	53.0

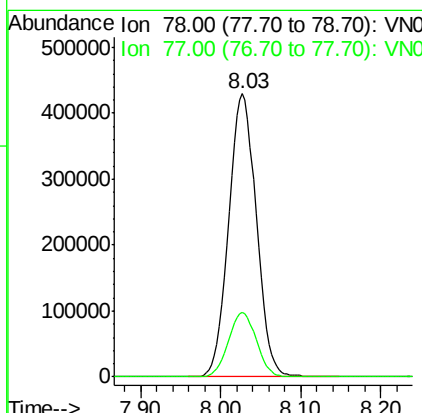
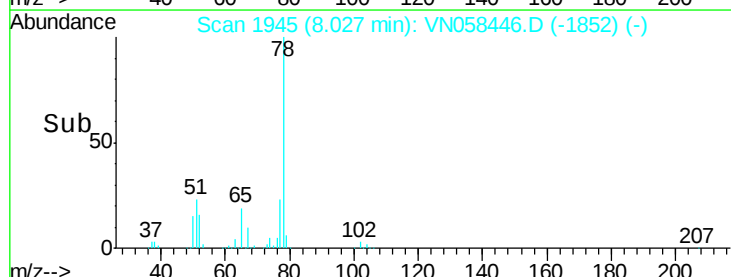
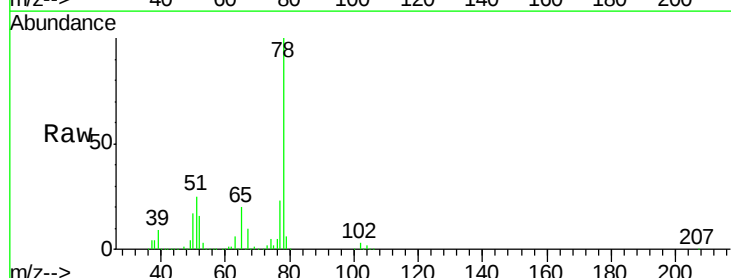
Manual Integrations
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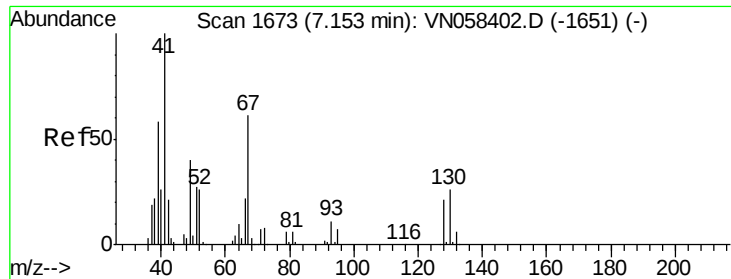
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#40
Benzene
Concen: 51.712 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1009575		
77	23.0		18.9	28.3





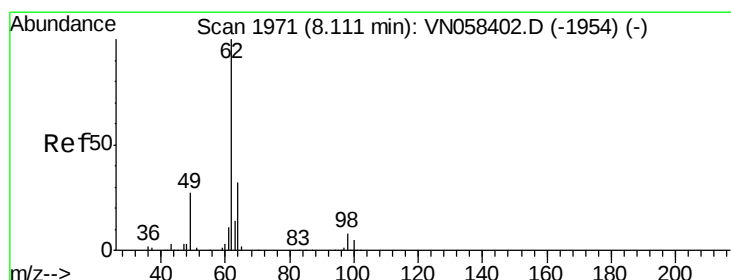
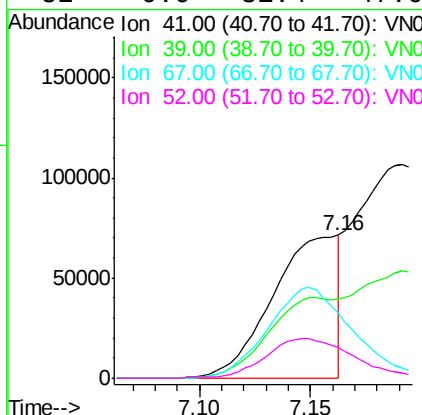
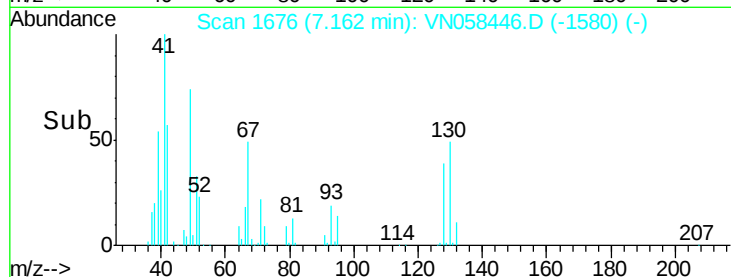
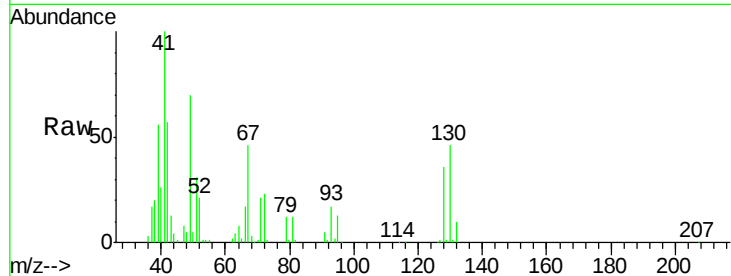
#41
Methacrylonitrile
Concen: 55.277 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	0.0	50.2	75.4#		
67	0.0	70.2	105.4#		
52	0.0	31.4	47.0#		

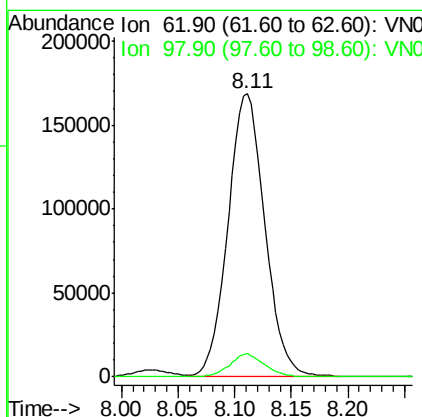
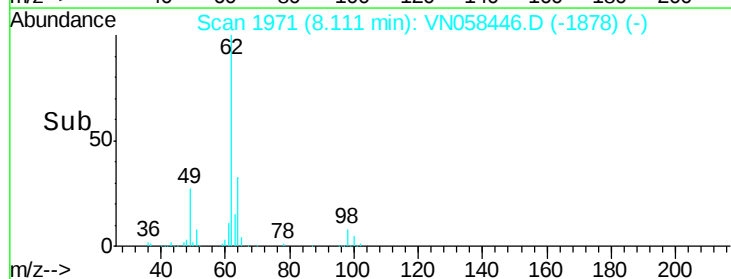
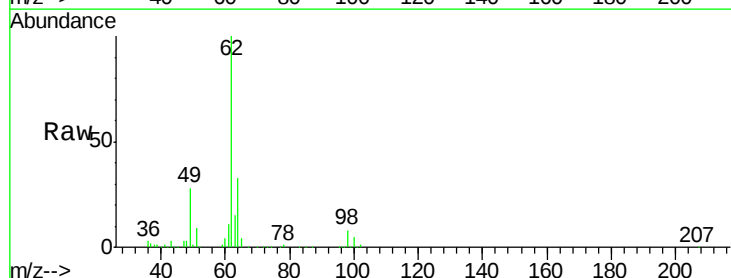
Manual Integrations
APPROVED

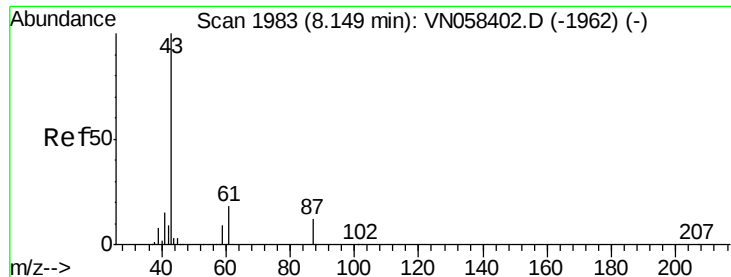
MMDadoda
10/2/2019 9:22:31 AM



#42
1,2-Dichloroethane
Concen: 50.027 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.7	0.0	15.6		





#43

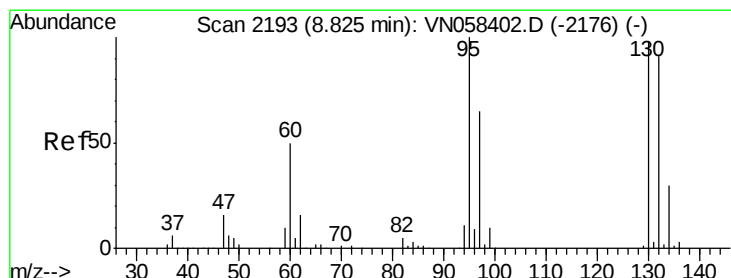
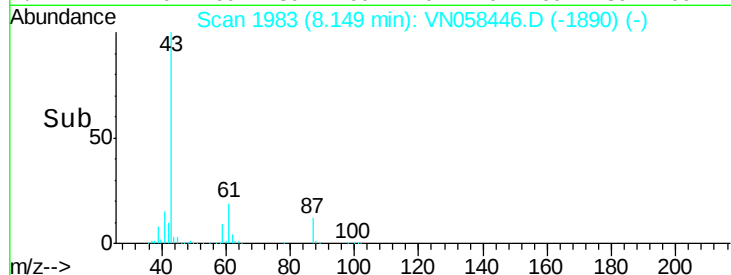
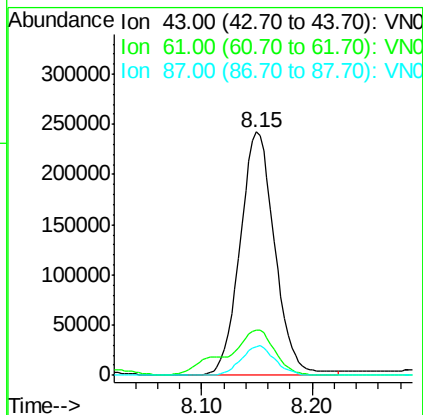
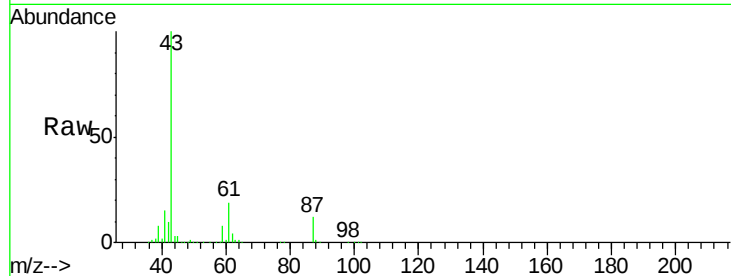
Isopropyl Acetate
 Concen: 48.601 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.8	22.2
87	12.1	9.7	14.5

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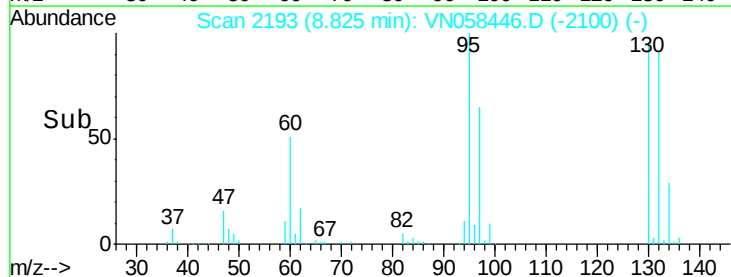
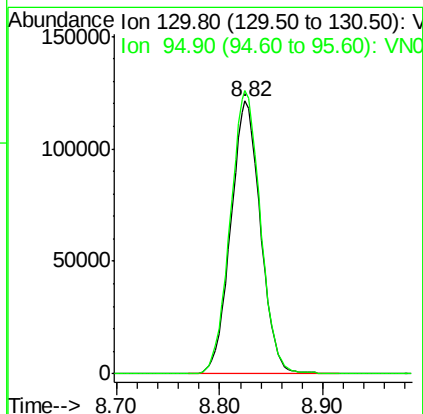
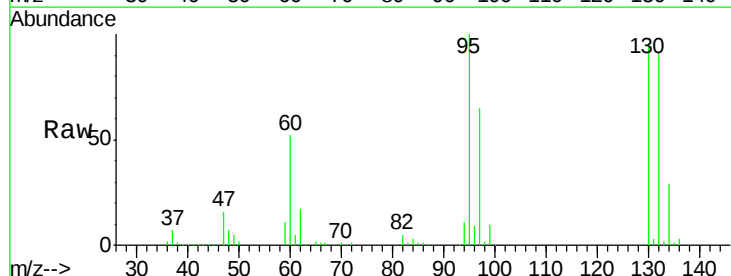
MMDadoda
 10/2/2019 9:22:31 AM

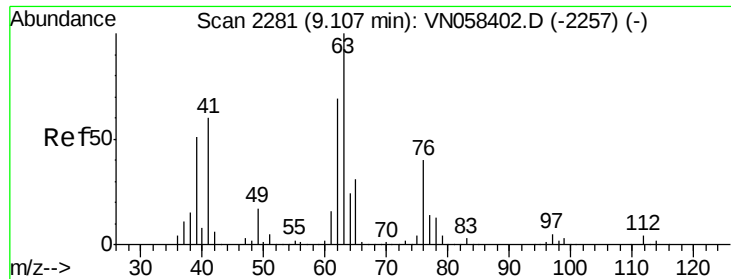


#44

Trichloroethene
 Concen: 50.628 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2





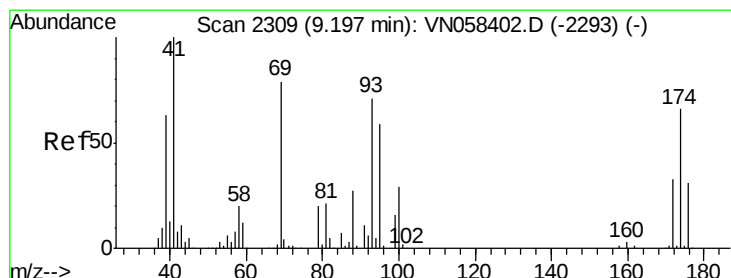
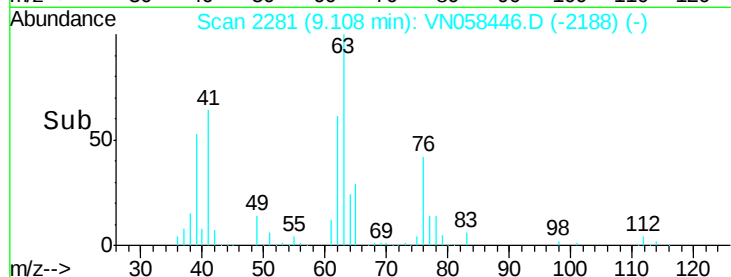
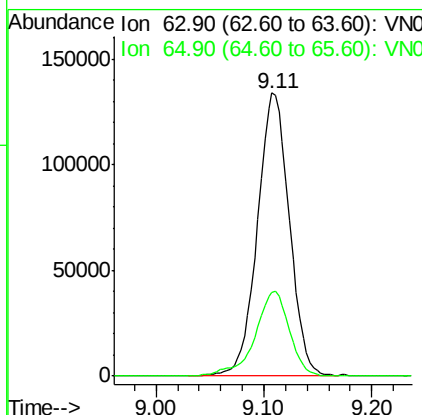
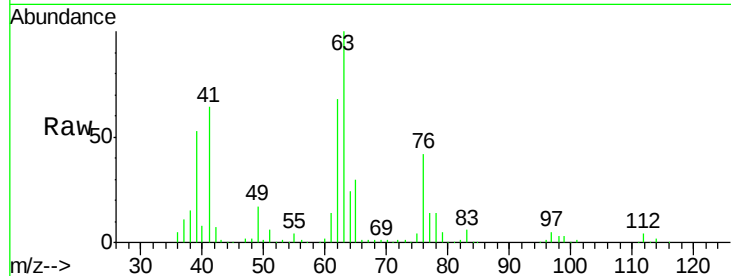
#45
 1,2-Dichloropropane
 Concen: 52.598 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion: 63 Resp: 275401
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

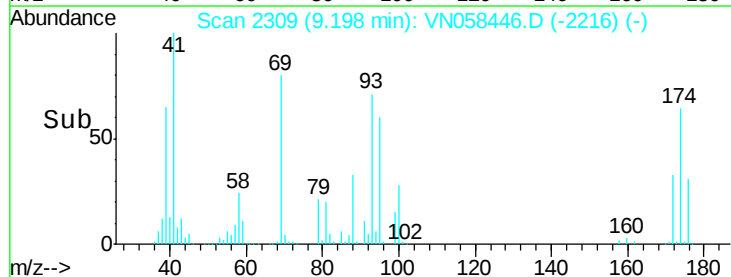
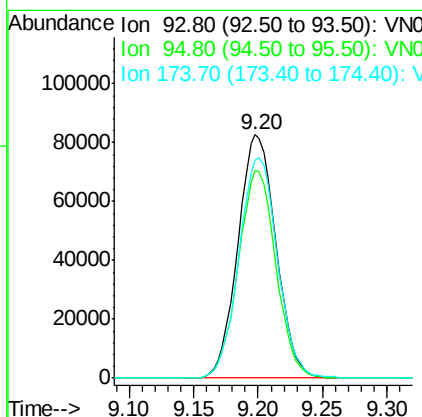
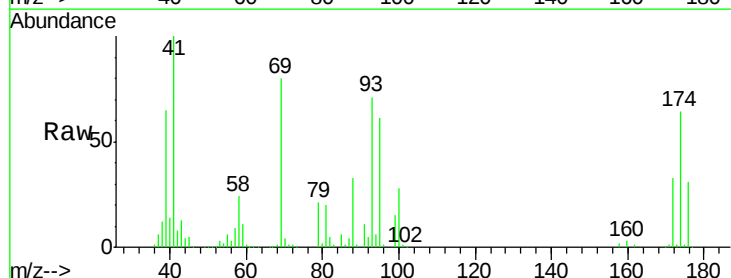
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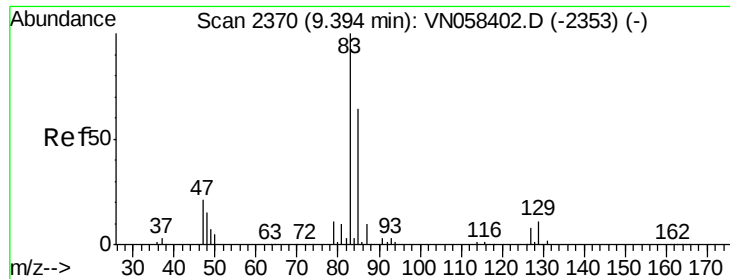
MMDadoda
 10/2/2019 9:22:31 AM



#46
 Dibromomethane
 Concen: 51.322 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 93 Resp: 170177
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.0 100.4
 174 91.7 74.2 111.2





#47

Bromodichloromethane

Concen: 55.023 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 83 Resp: 345682

Ion Ratio Lower Upper

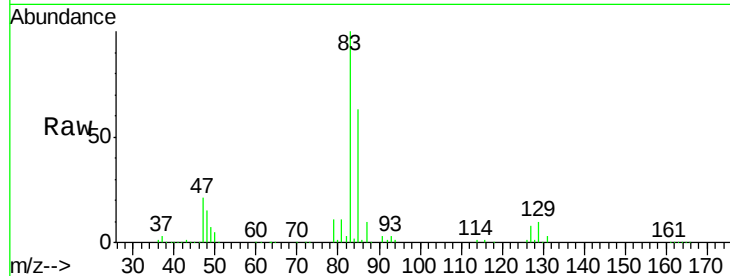
83 100

85 63.0 51.2 76.8

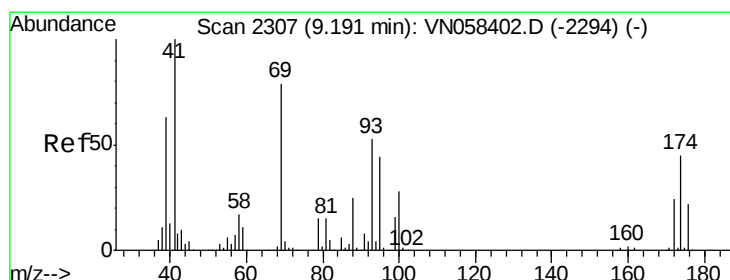
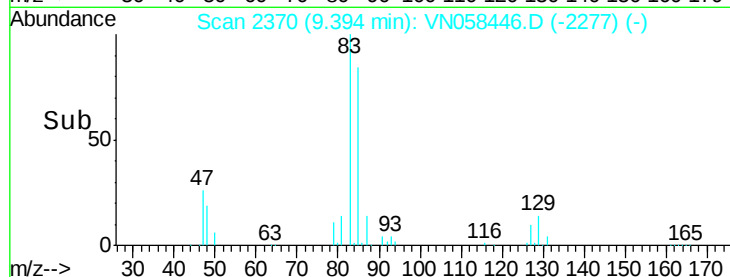
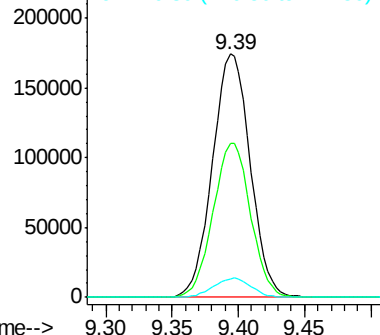
127 7.8 6.3 9.5

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.400 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

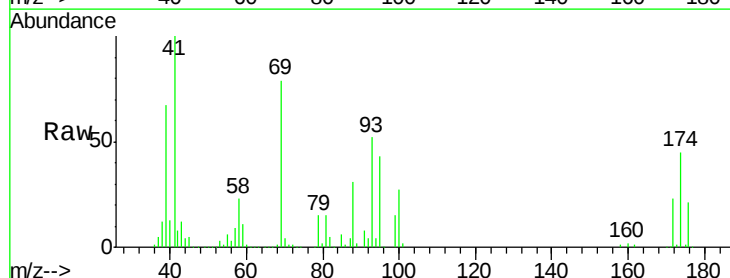
Tgt Ion: 41 Resp: 263298

Ion Ratio Lower Upper

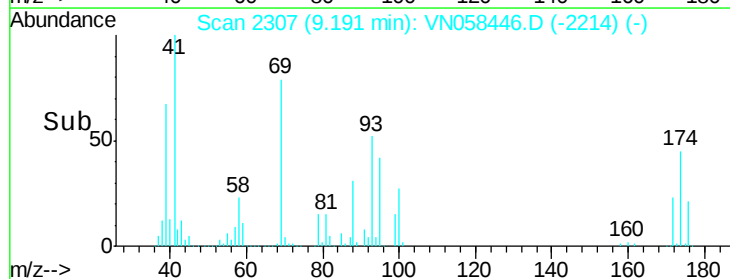
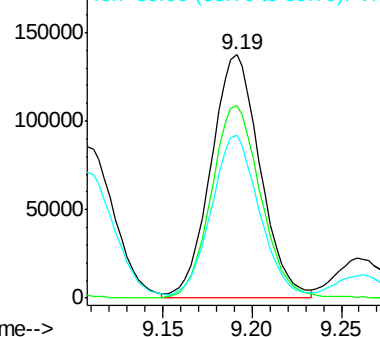
41 100

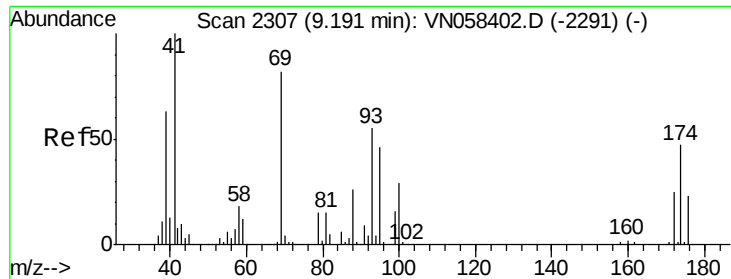
69 79.4 64.7 97.1

39 65.9 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





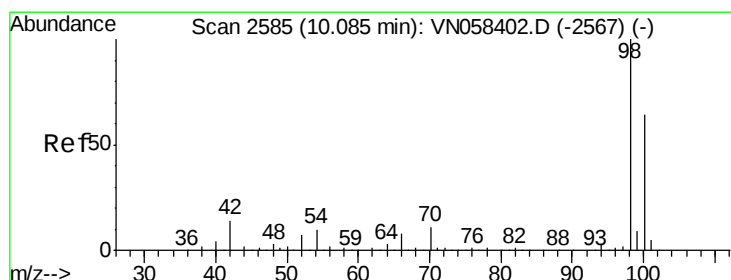
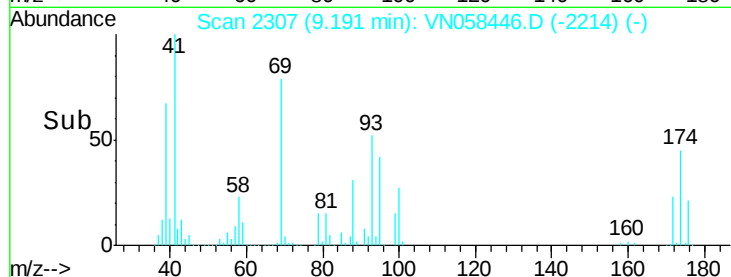
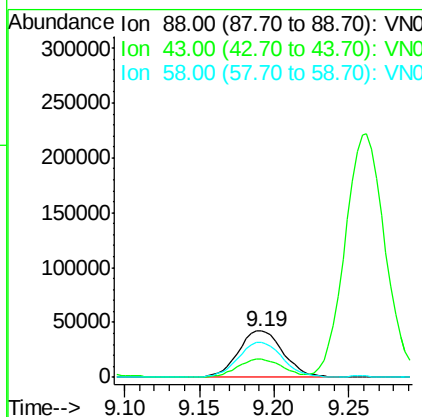
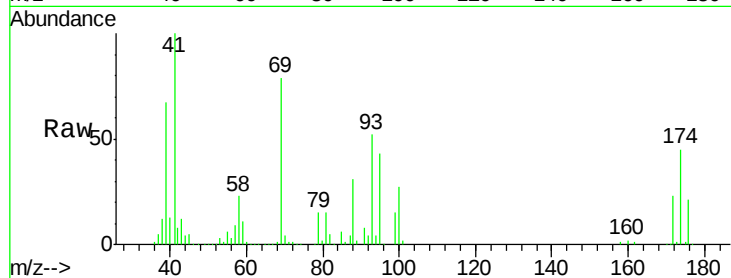
#49
1,4-Dioxane
Concen: 1346.743 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	31.1	46.7
58	74.4	58.1	87.1

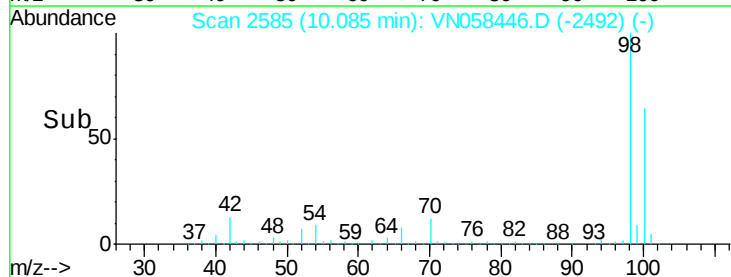
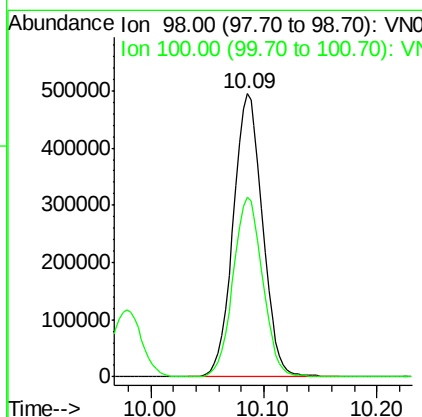
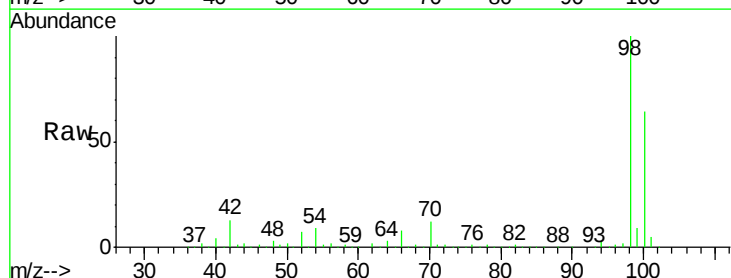
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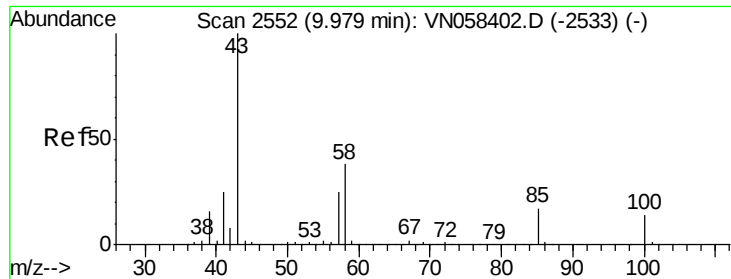
MMDadoda
10/2/2019 9:22:31 AM



#50
Toluene-d8
Concen: 52.533 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 285.212 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 43 Resp: 1586398

Ion Ratio Lower Upper

43 100

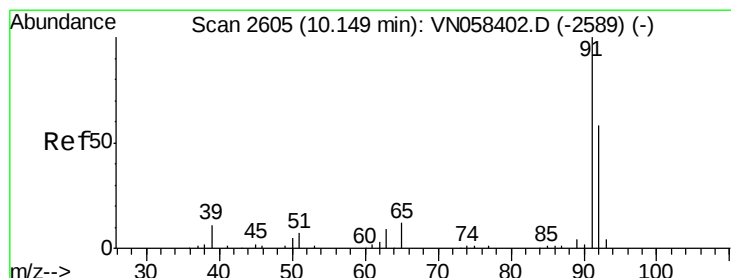
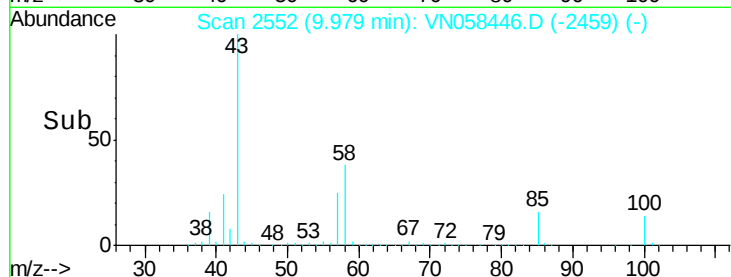
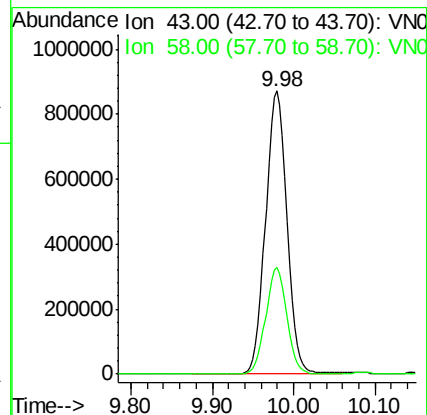
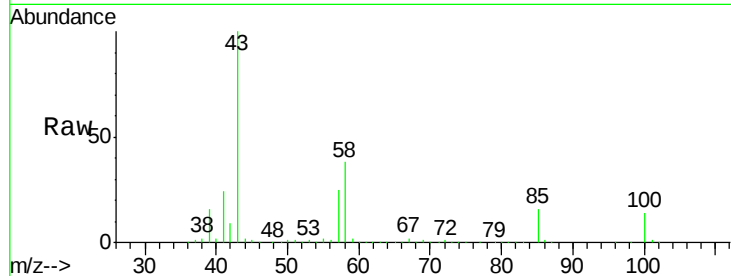
58 37.2 30.2 45.2

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MMDadoda

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#52

Toluene

Concen: 50.599 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058446.D

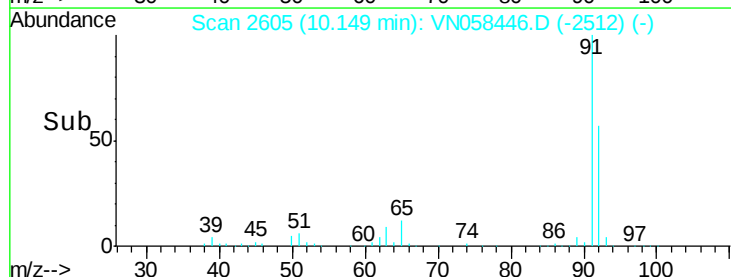
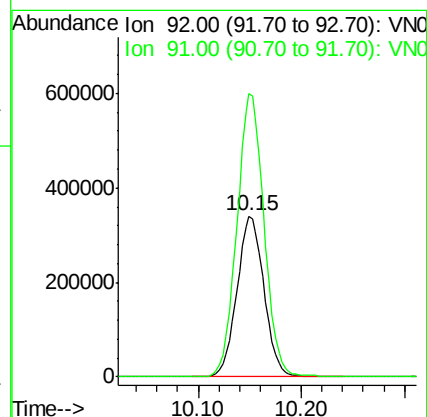
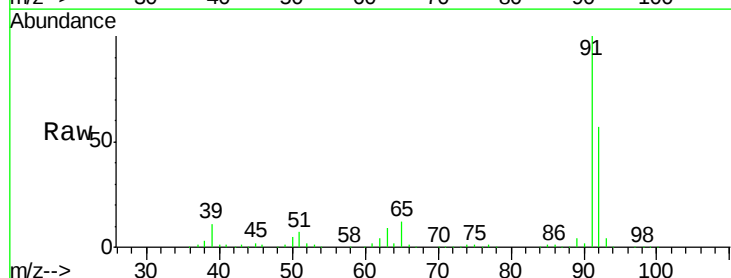
Acq: 30 Sep 2019 19:14

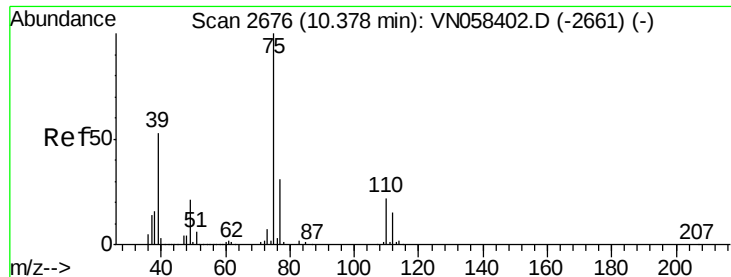
Tgt Ion: 92 Resp: 621776

Ion Ratio Lower Upper

92 100

91 177.0 140.2 210.4





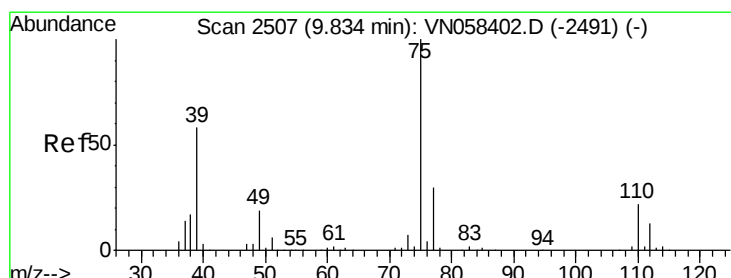
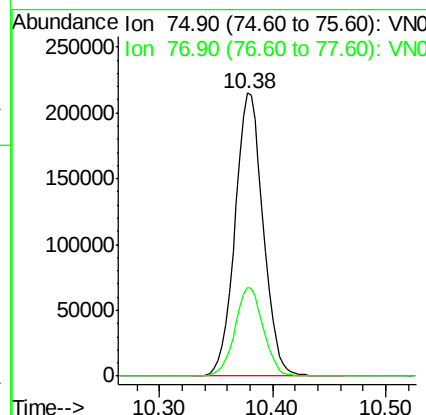
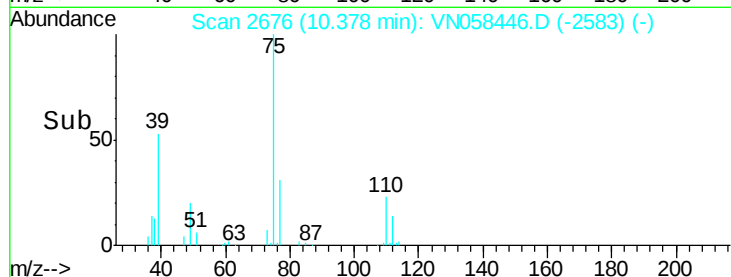
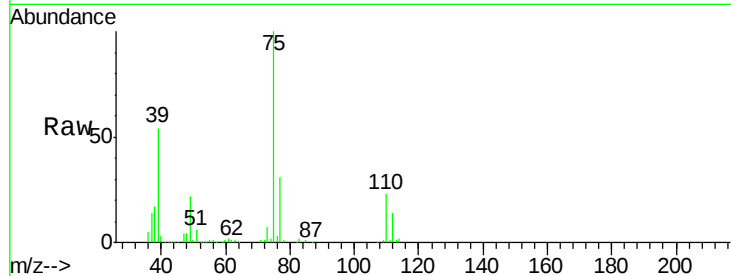
#53
 t-1,3-Dichloropropene
 Concen: 54.369 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion: 75 Resp: 371775
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8

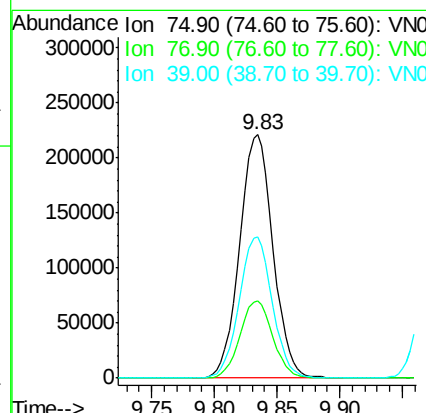
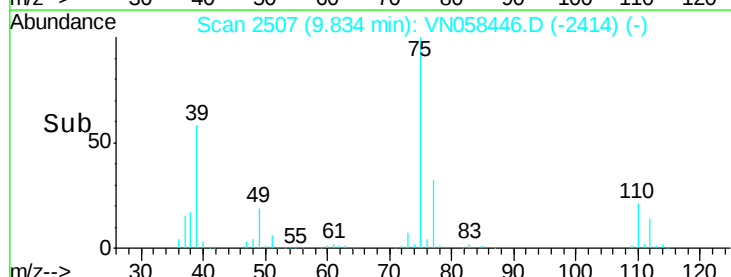
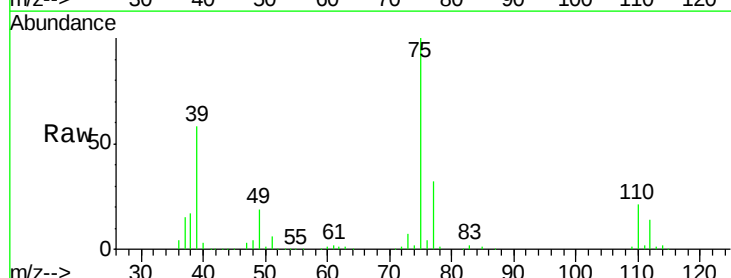
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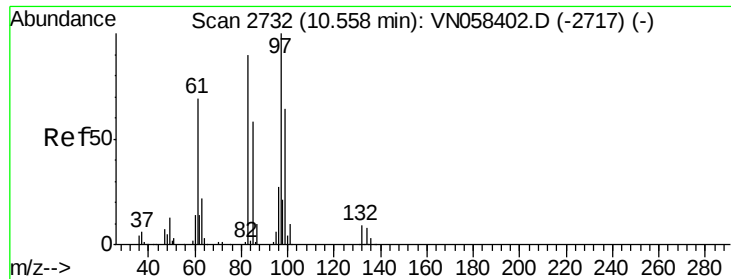
MMDadoda
 10/2/2019 9:22:31 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.735 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 75 Resp: 407873
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.2 36.4
 39 58.0 46.4 69.6





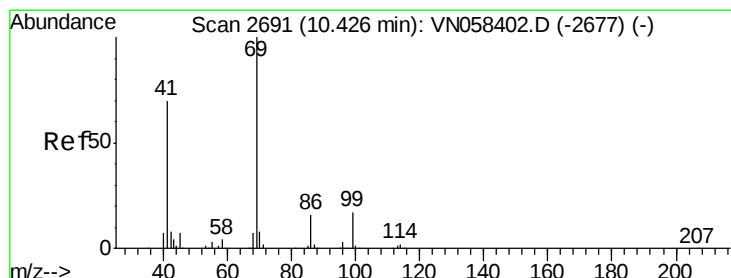
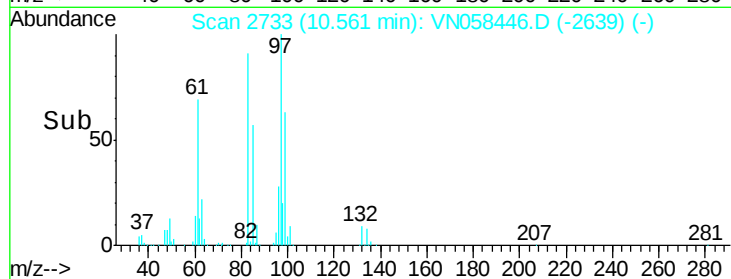
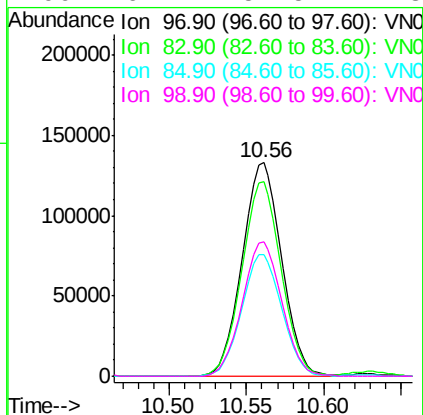
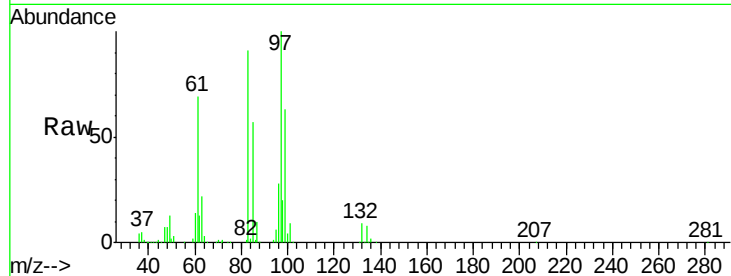
#55
 1,1,2-Trichloroethane
 Concen: 52.742 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		235987		
83	91.3	71.8	107.6		
85	57.2	46.6	69.8		
99	62.7	51.5	77.3		

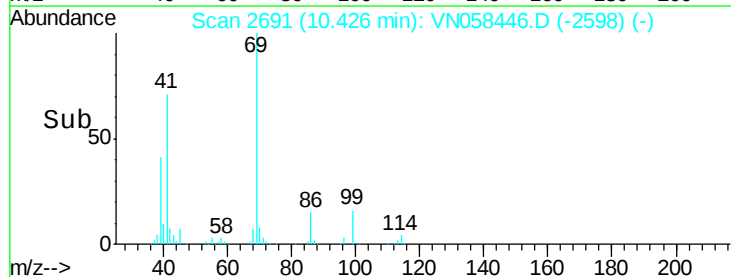
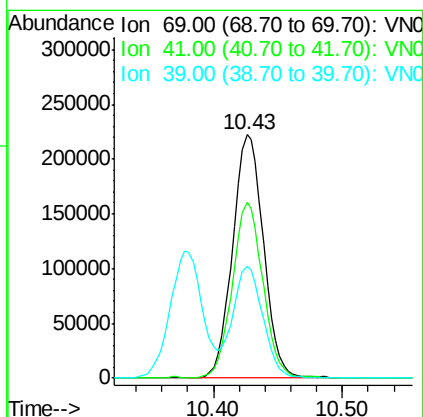
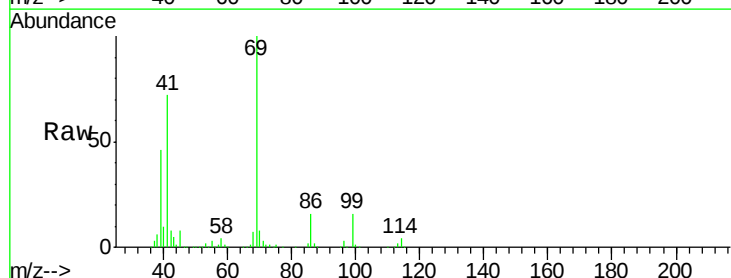
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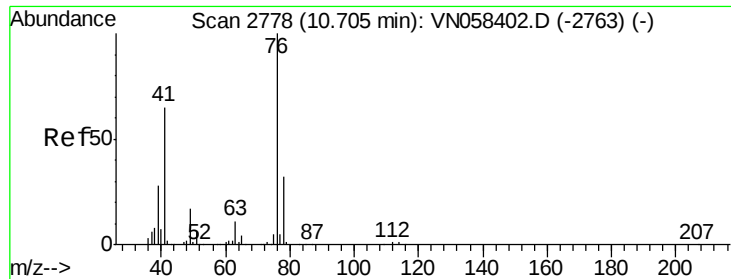
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 10/2/2019 9:22:31 AM



#56
 Ethyl methacrylate
 Concen: 54.550 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		370368		
41	70.5	56.3	84.5		
39	44.7	35.8	53.6		





#57

1,3-Dichloropropane

Concen: 53.184 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 76 Resp: 424460

Ion Ratio Lower Upper

76 100

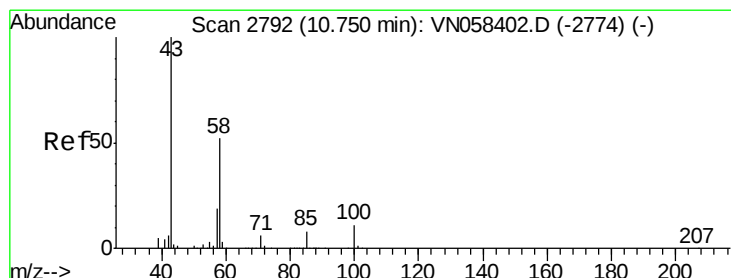
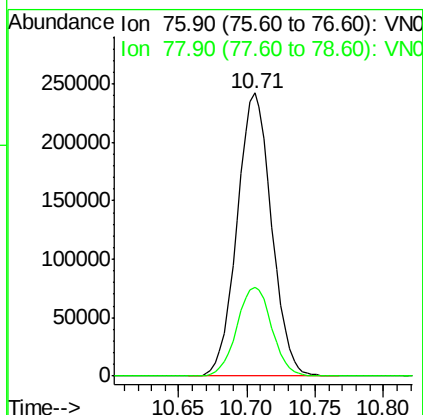
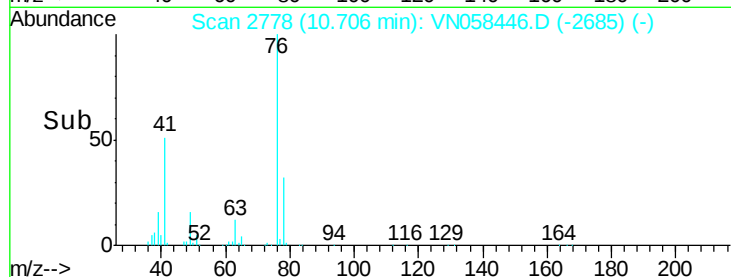
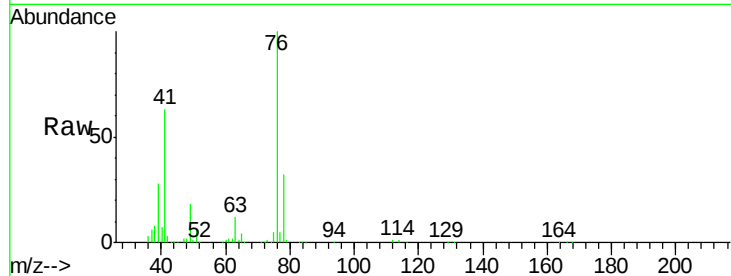
78 32.1 25.7 38.5

Manual Integrations

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MMDadoda

10/2/2019 9:22:31 AM



#59

2-Hexanone

Concen: 285.254 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058446.D

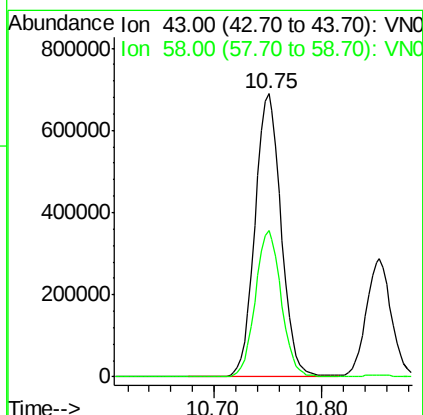
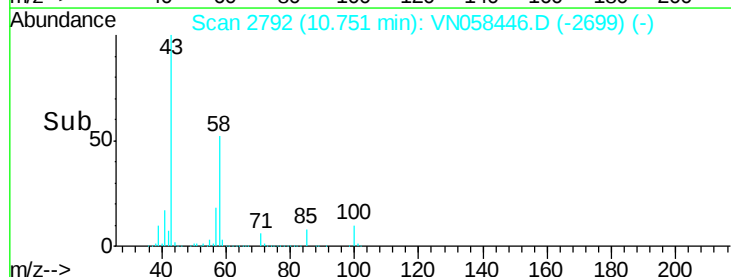
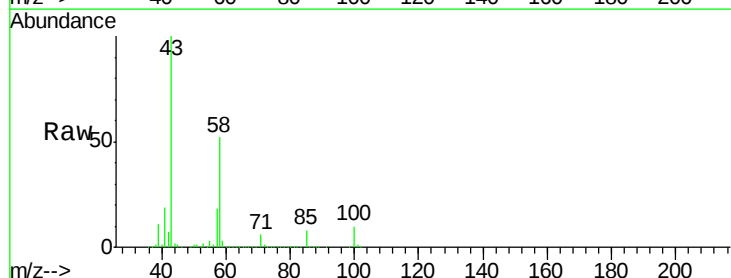
Acq: 30 Sep 2019 19:14

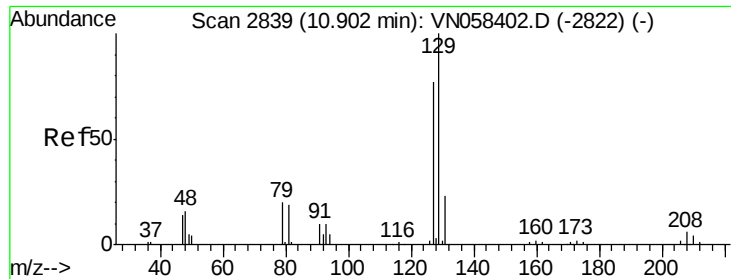
Tgt Ion: 43 Resp: 1155307

Ion Ratio Lower Upper

43 100

58 51.2 25.8 77.3





#60

Dibromochloromethane

Concen: 53.237 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:129 Resp: 246504

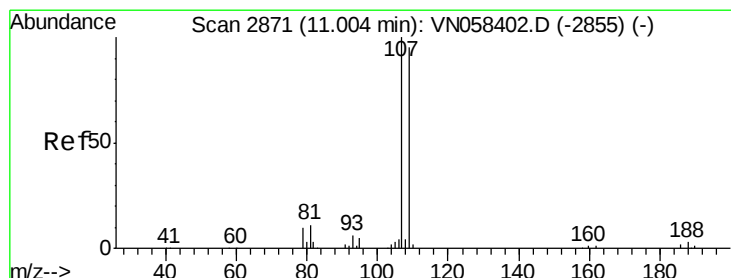
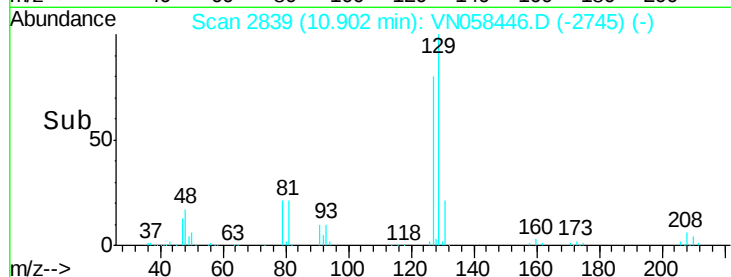
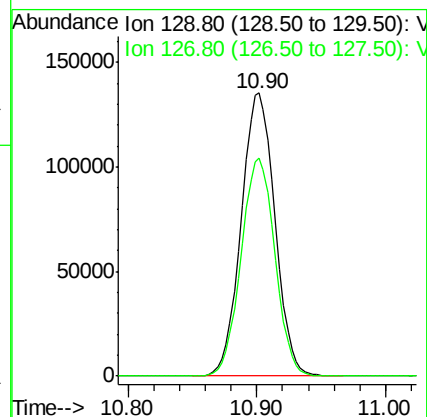
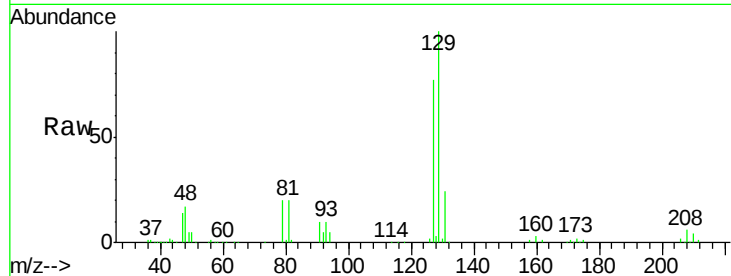
Ion Ratio Lower Upper

129 100

127 77.0 38.3 114.8

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#61

1,2-Dibromoethane

Concen: 53.721 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058446.D

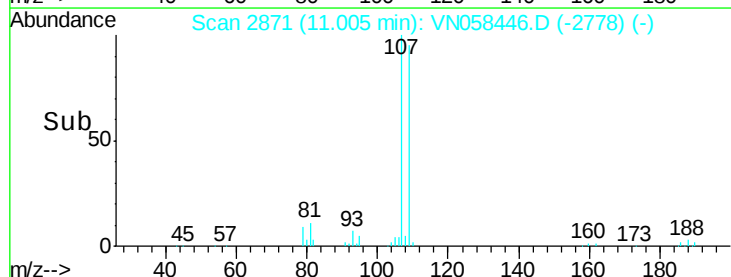
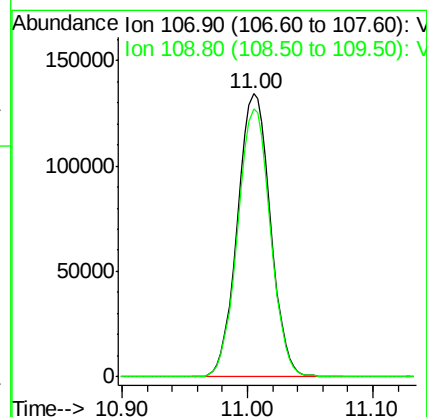
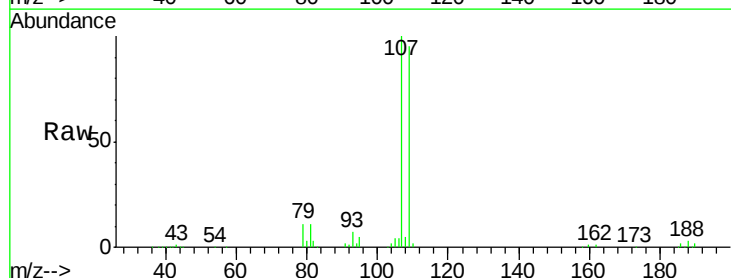
Acq: 30 Sep 2019 19:14

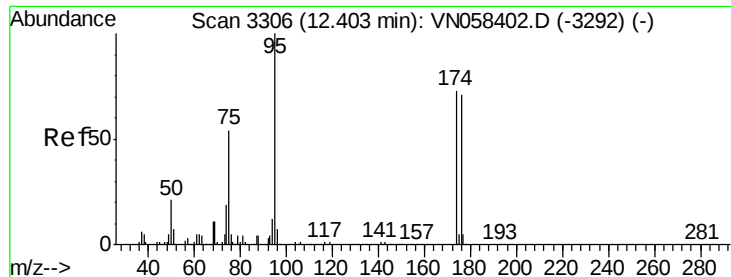
Tgt Ion:107 Resp: 245609

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9





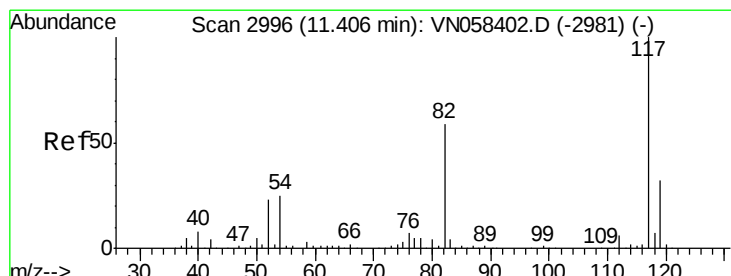
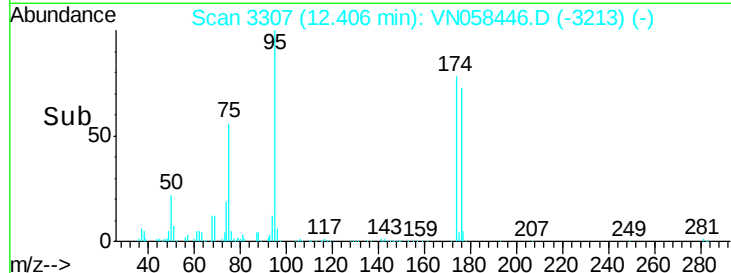
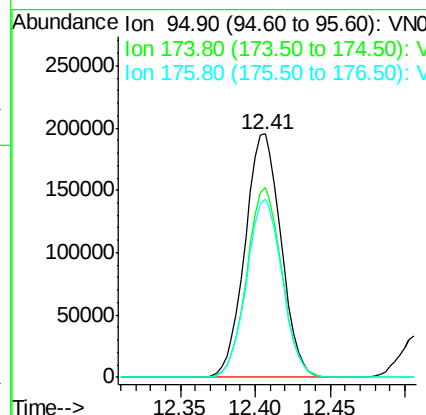
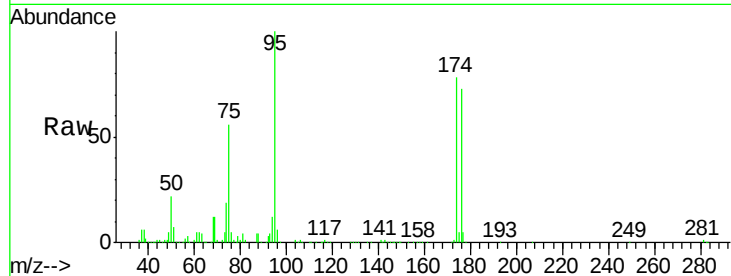
#62
4-Bromofluorobenzene
Concen: 53.122 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	327571		
174	75.8	0.0	150.6	
176	72.4	0.0	146.2	

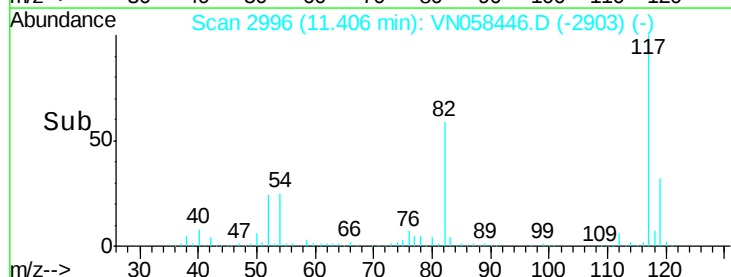
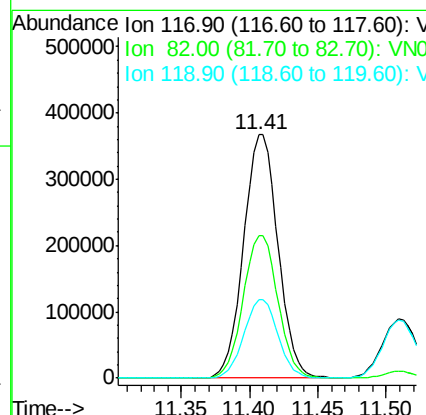
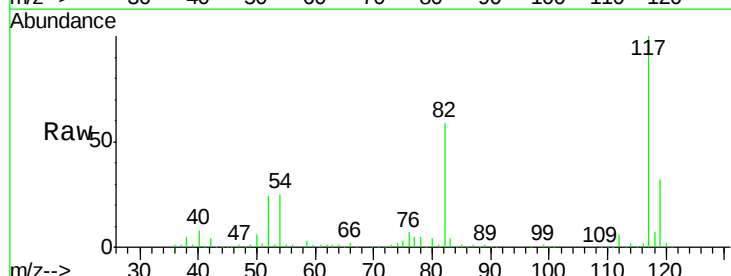
Manual Integrations
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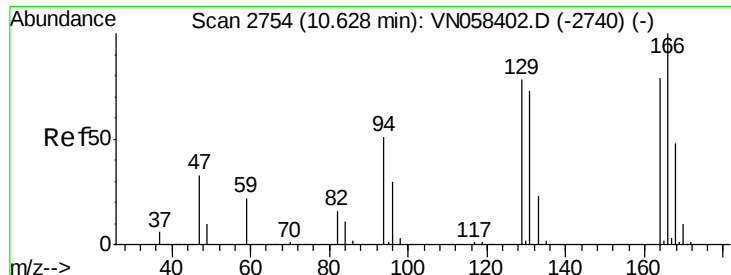
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10/2/2019 9:22:31 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	643726		
82	58.6	47.4	71.0	
119	32.2	25.5	38.3	





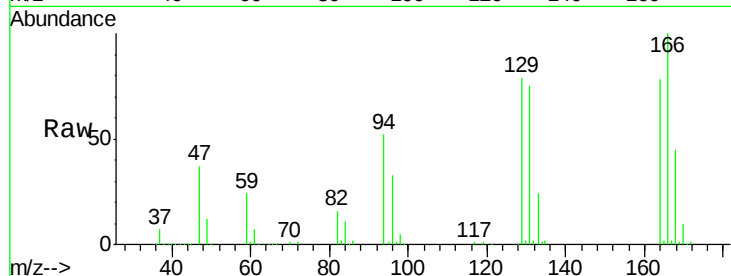
#64
Tetrachloroethene
Concen: 48.369 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

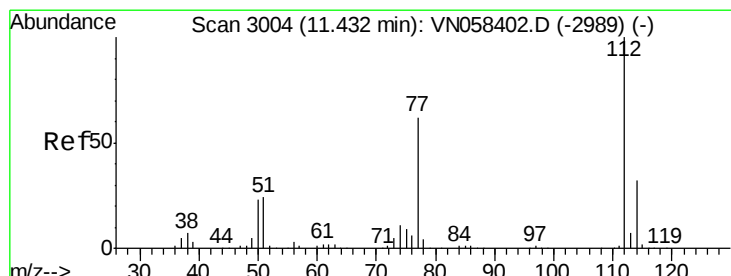
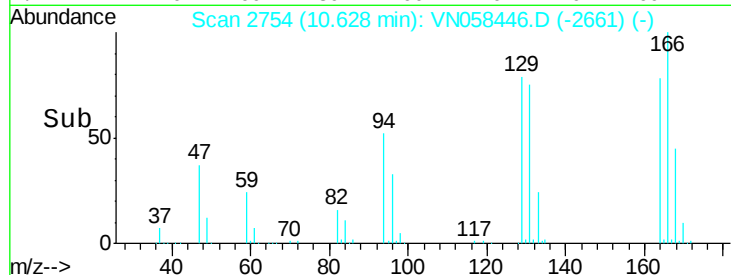
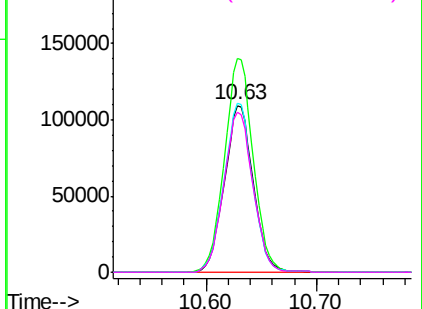
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.1	151.7
129	101.6	79.2	118.8
131	96.3	74.1	111.1

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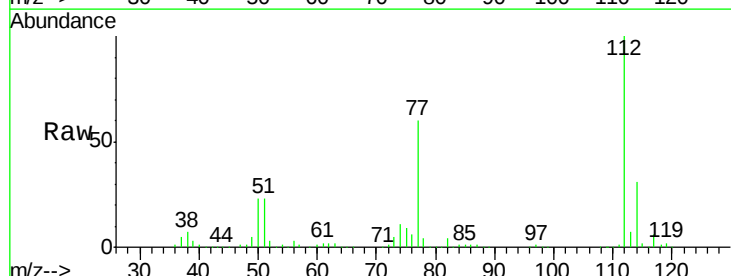


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

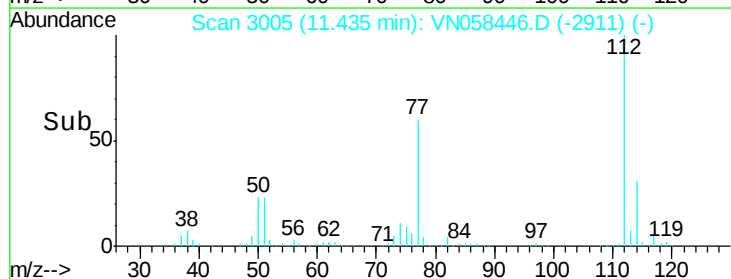
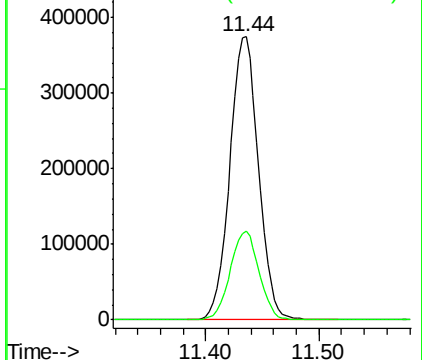


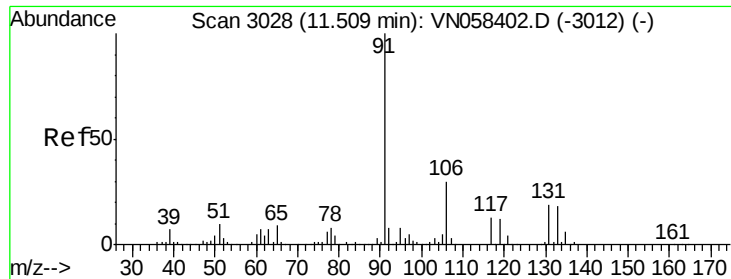
#65
Chlorobenzene
Concen: 51.462 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





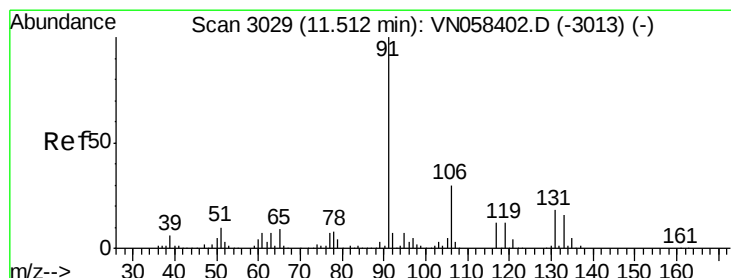
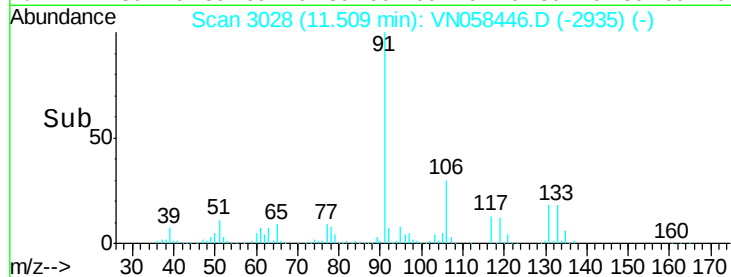
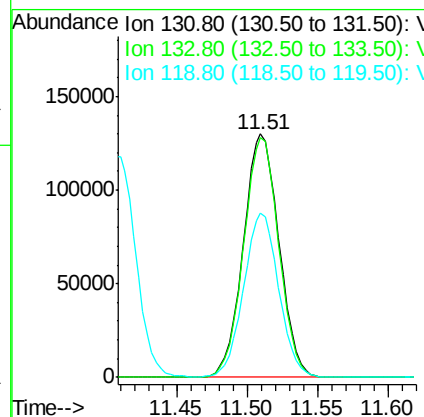
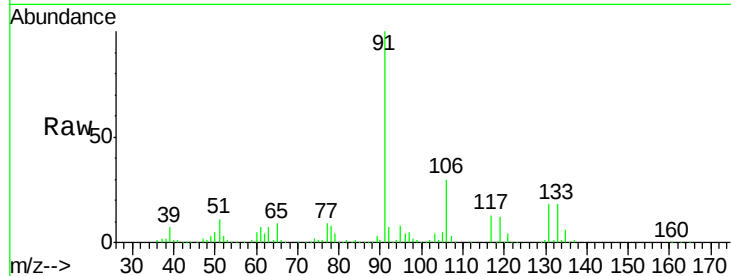
#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.430 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.8	143.3
119	66.4	33.0	99.0

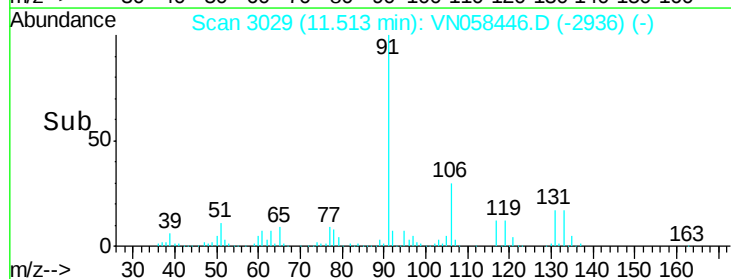
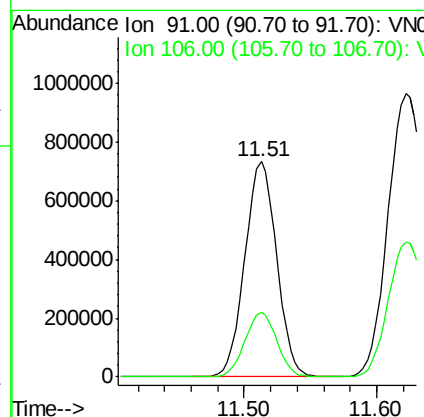
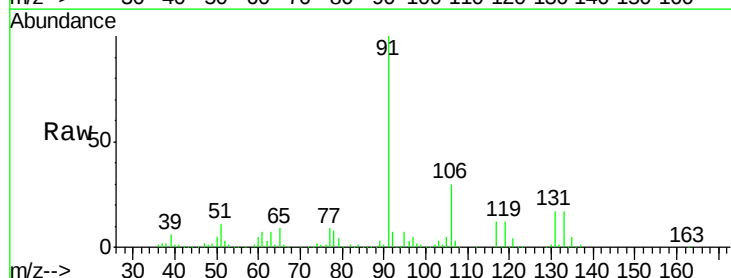
Manual Integrations
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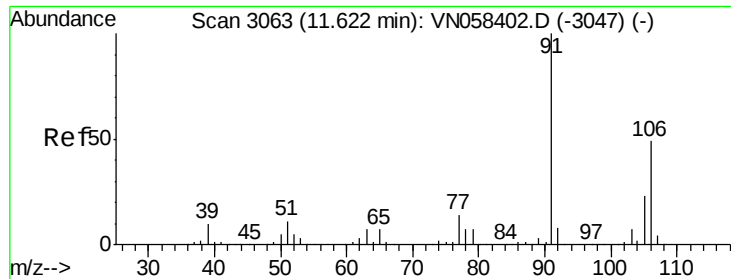
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#67
 Ethyl Benzene
 Concen: 52.715 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5





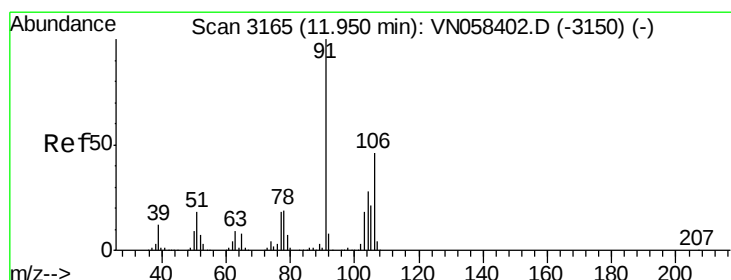
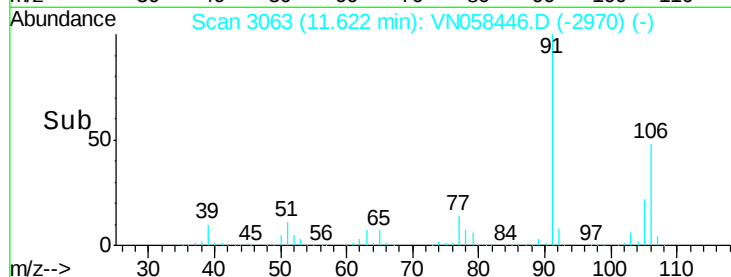
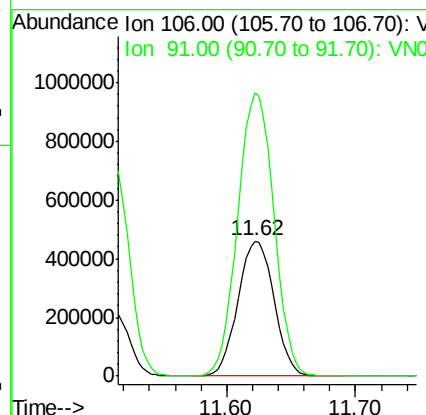
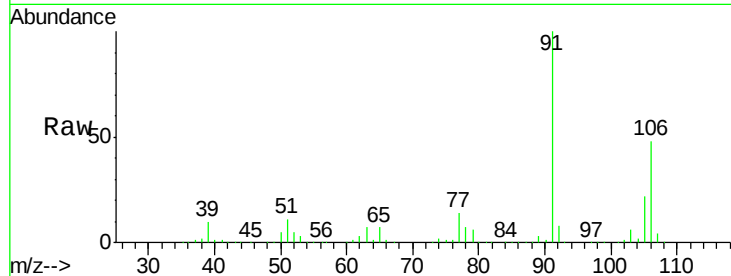
#68
m/p-Xylenes
Concen: 102.588 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion:106 Resp: 894580
Ion Ratio Lower Upper
106 100
91 210.7 165.0 247.4

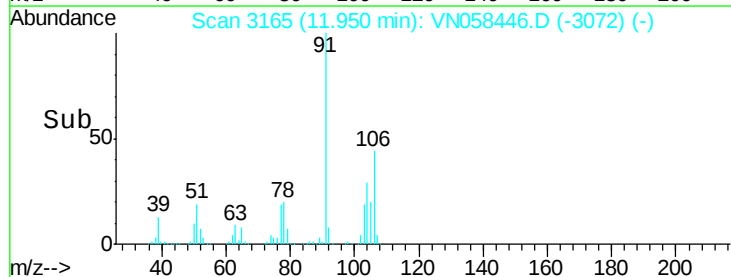
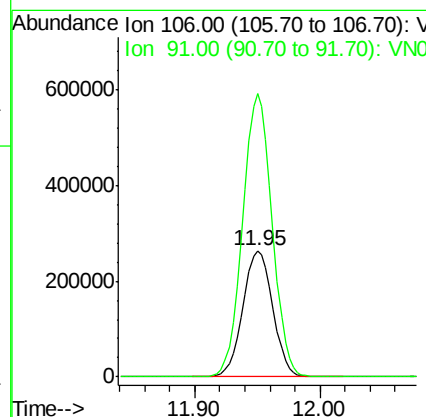
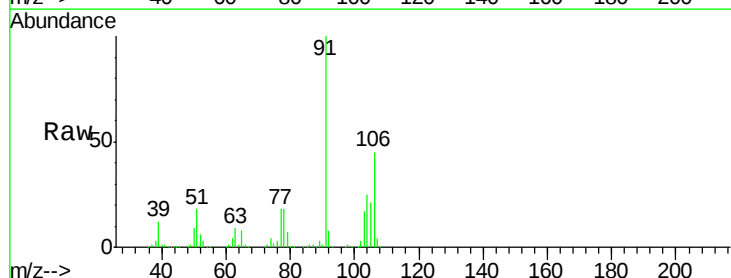
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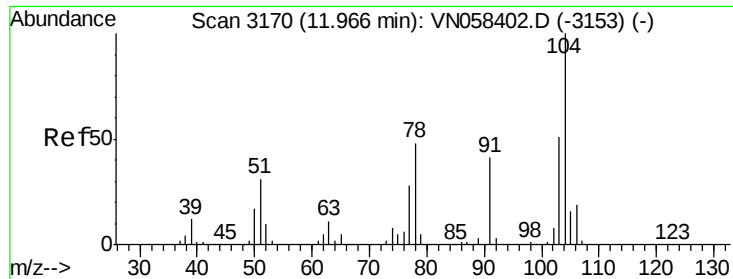
MMDadoda
10/2/2019 9:22:31 AM



#69
o-Xylene
Concen: 51.768 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:106 Resp: 434556
Ion Ratio Lower Upper
106 100
91 221.1 109.1 327.4





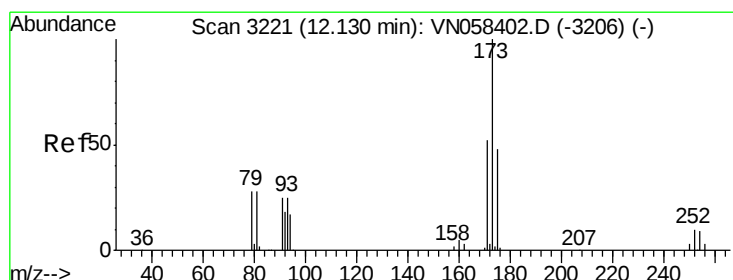
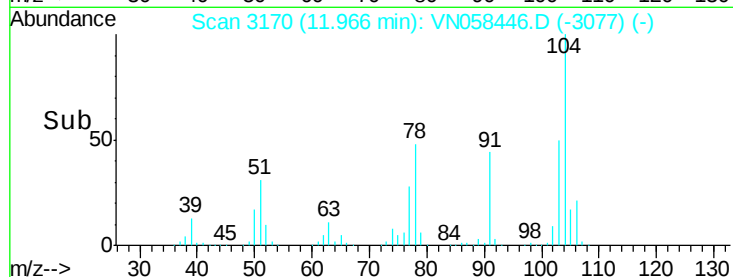
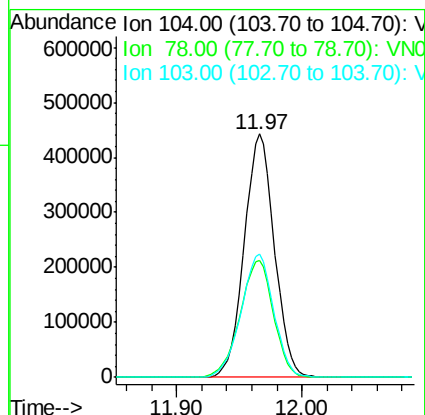
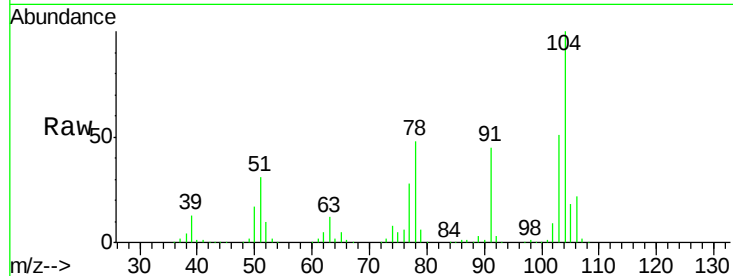
#70
Stvrene
Concen: 54.255 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.8	64.2
103	54.7	43.7	65.5

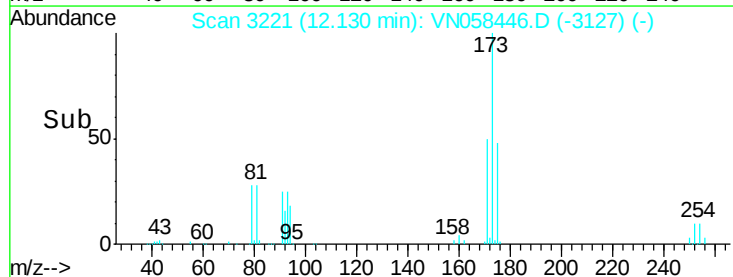
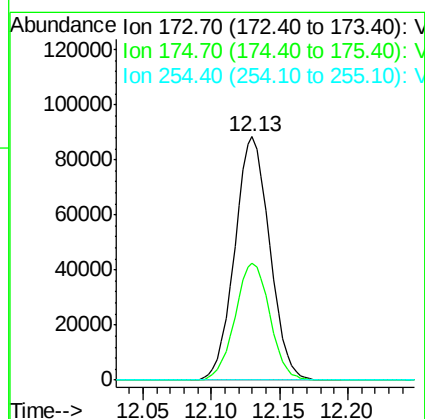
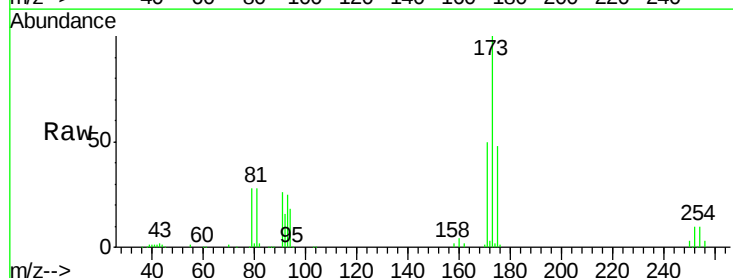
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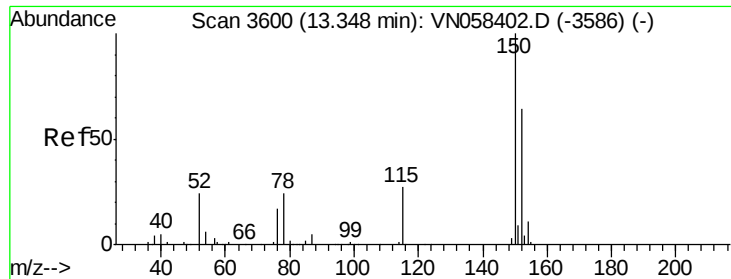
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#71
Bromoform
Concen: 52.663 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	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: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:152 Resp: 317370

Ion Ratio Lower Upper

152 100

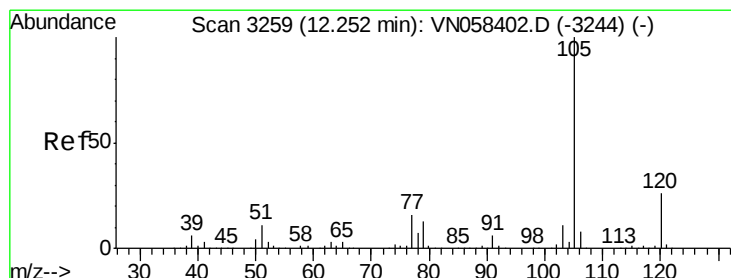
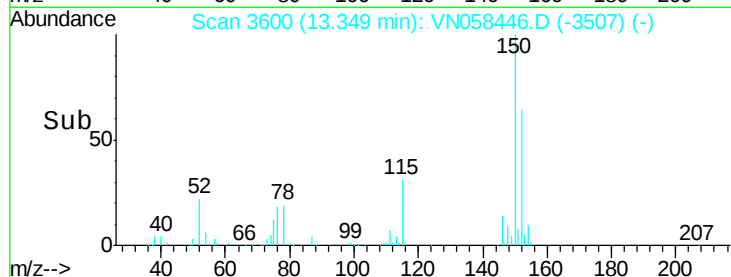
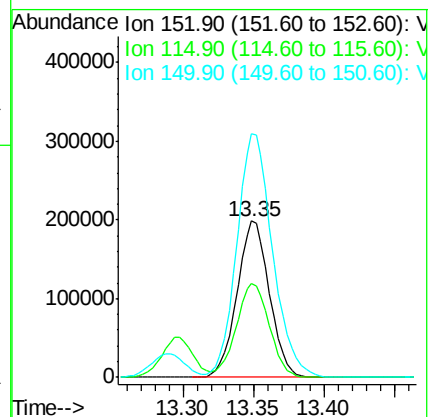
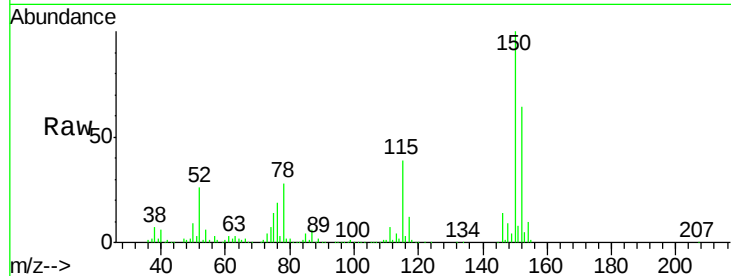
115 61.5 30.0 90.0

150 172.9 0.0 348.2

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#73

Isopropylbenzene

Concen: 50.884 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058446.D

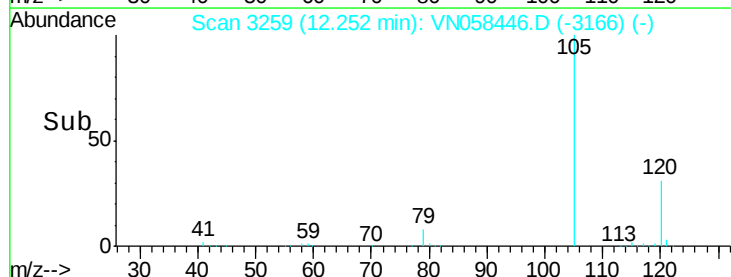
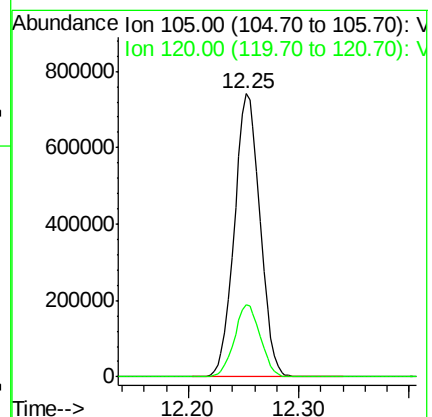
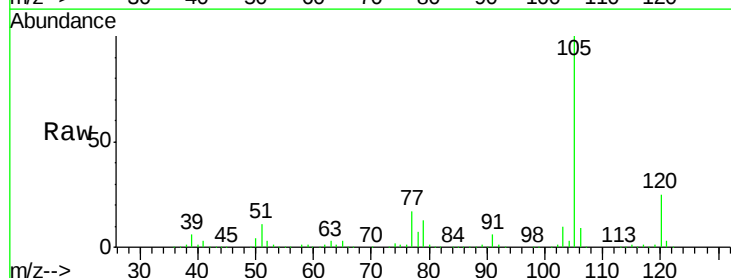
Acq: 30 Sep 2019 19:14

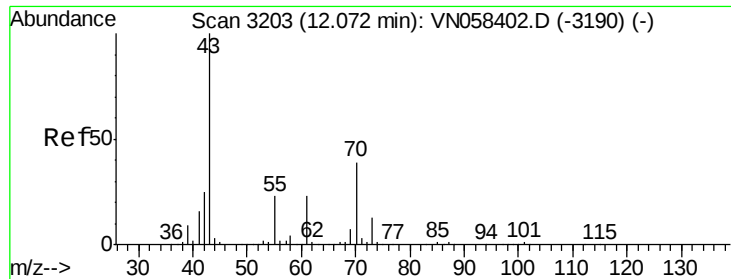
Tgt Ion:105 Resp: 1193448

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4





#74

N-amyl acetate

Concen: 50.987 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

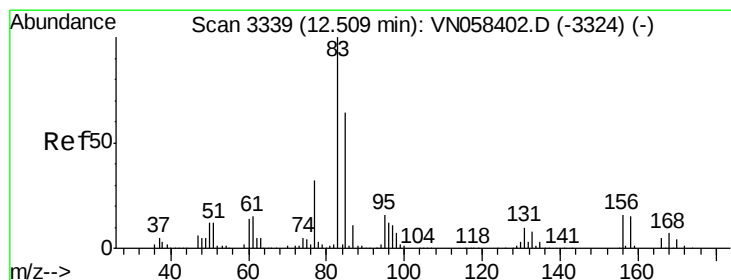
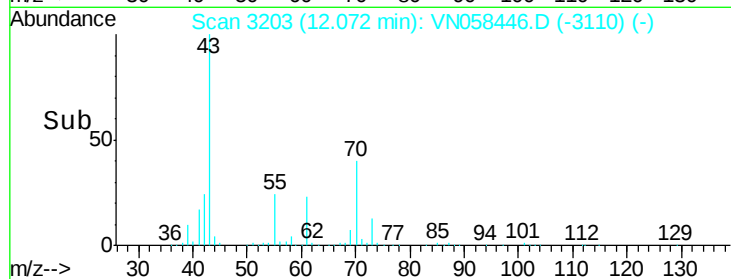
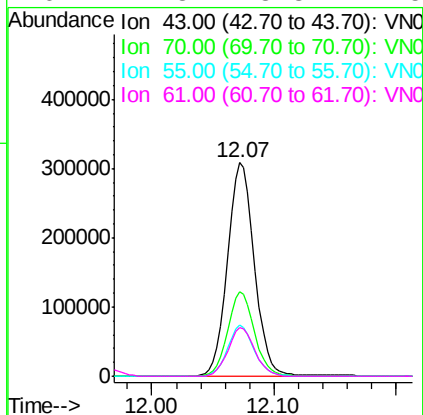
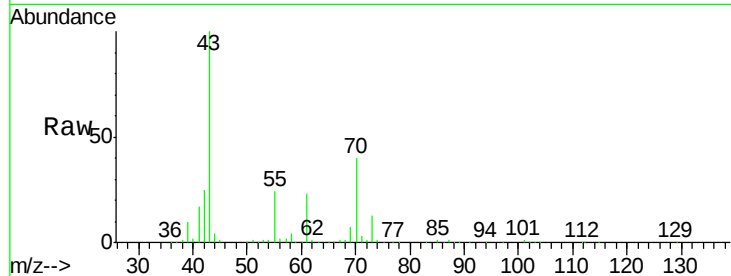
ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	39.1	31.4	47.2	
55	23.7	18.2	27.4	
61	22.8	18.3	27.5	

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.237 ug/l

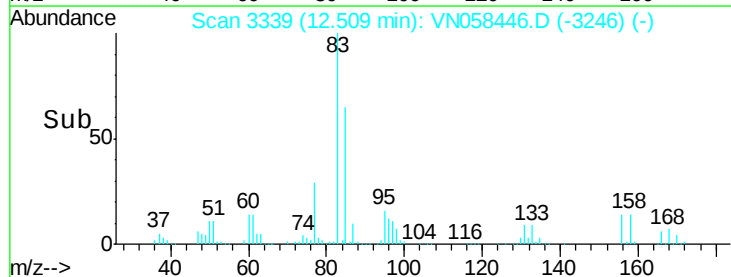
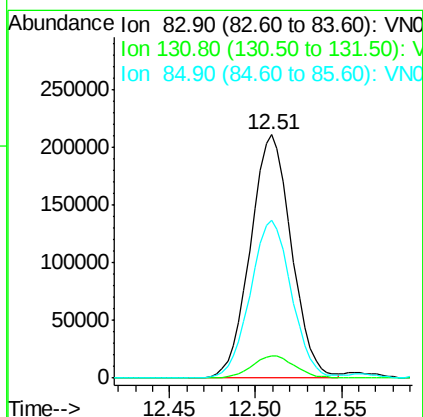
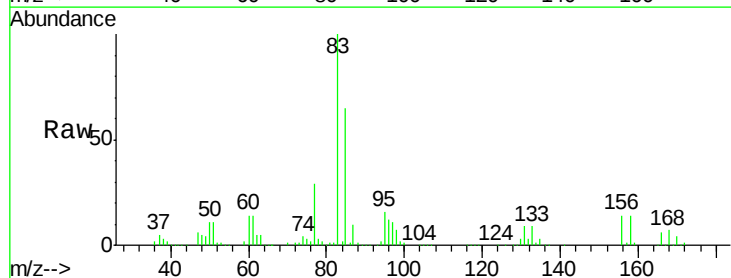
RT: 12.51 min Scan# 3339

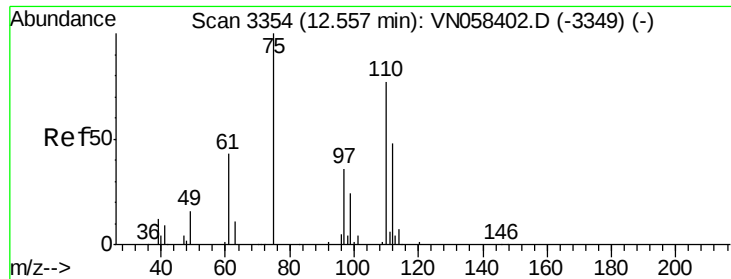
Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	9.7	4.9	14.7	
85	65.2	32.0	96.0	





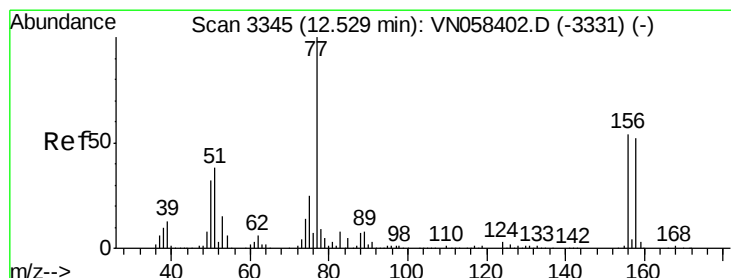
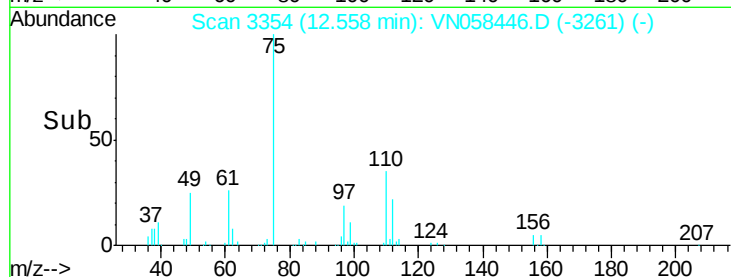
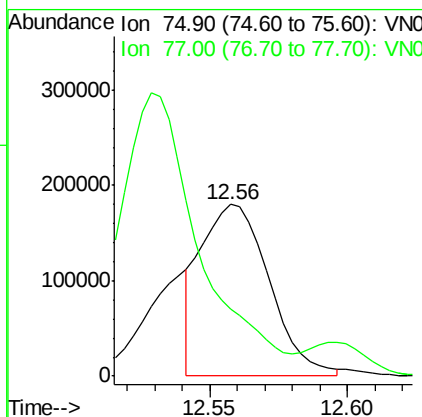
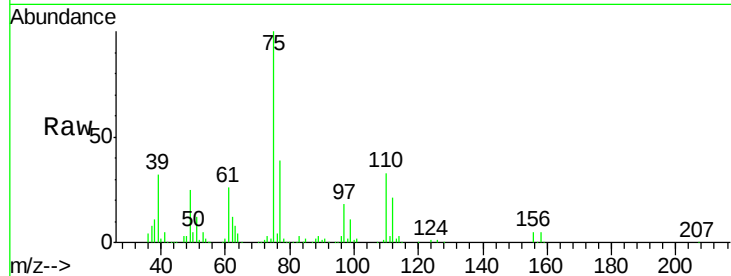
#76
 1,2,3-Trichloropropane
 Concen: 53.179 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion: 75 Resp: 308270
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

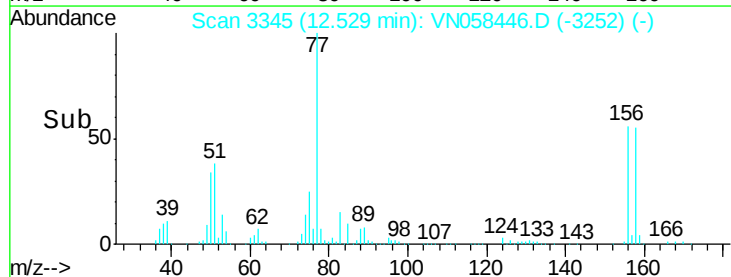
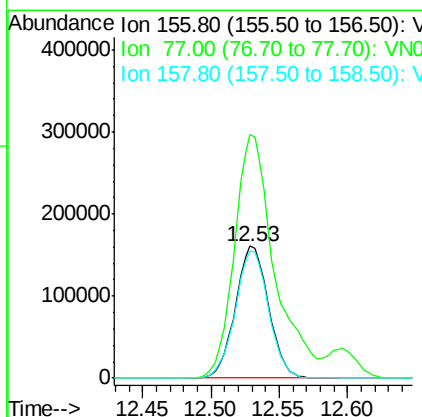
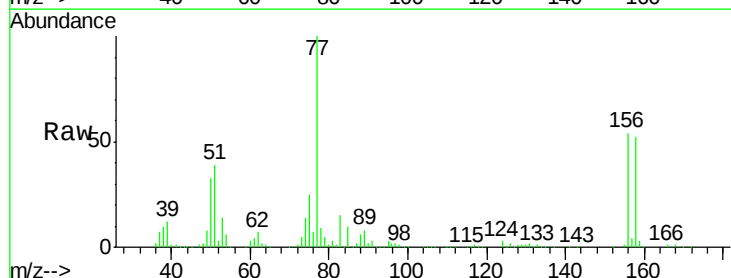
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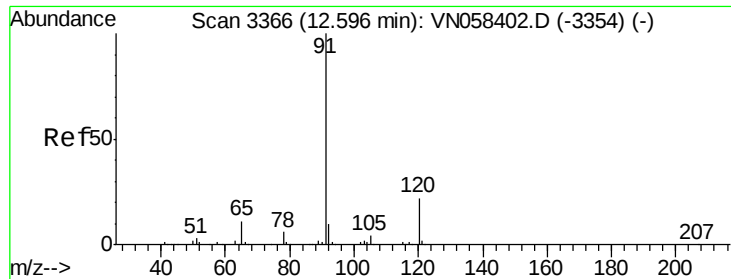
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#77
 Bromobenzene
 Concen: 49.273 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 156 Resp: 270981
 Ion Ratio Lower Upper
 156 100
 77 223.3 110.0 330.0
 158 96.9 47.9 143.8





#78

n-propylbenzene

Concen: 53.070 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion: 91 Resp: 1402320

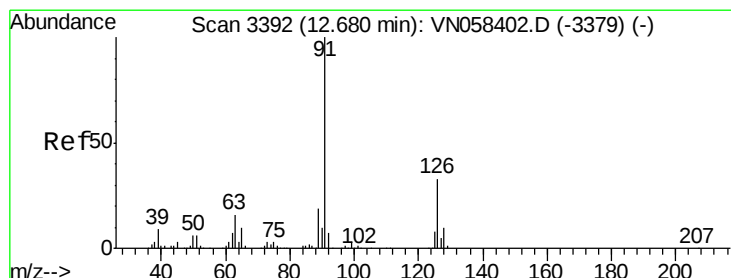
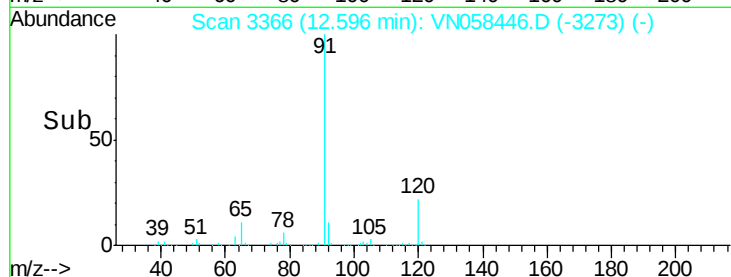
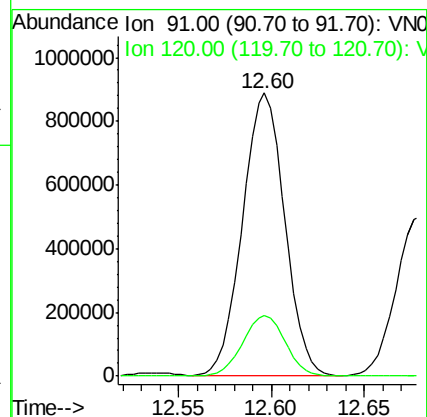
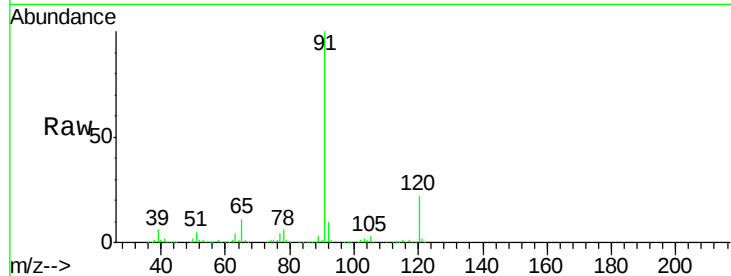
Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.9

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#79

2-Chlorotoluene

Concen: 50.403 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058446.D

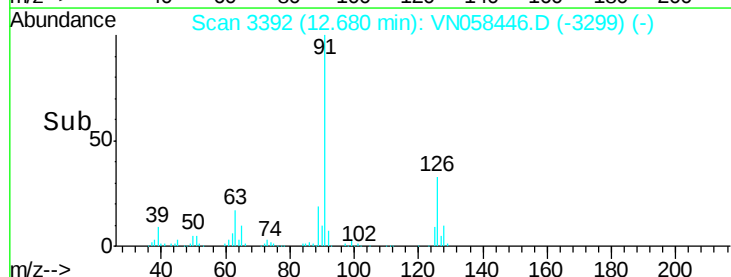
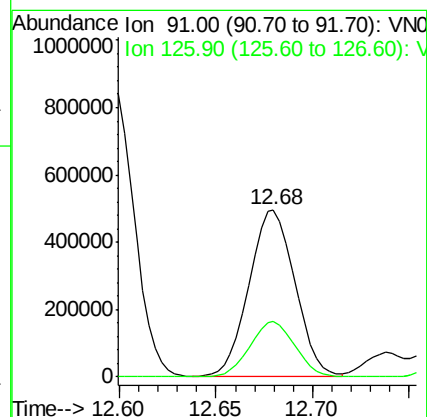
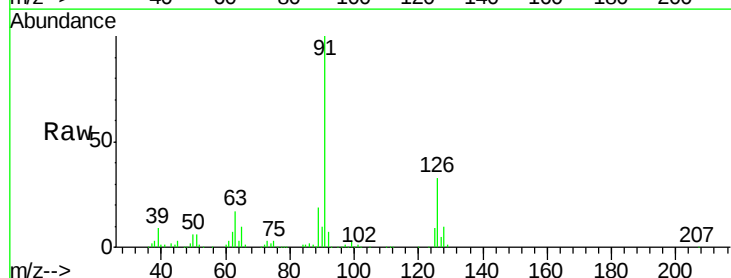
Acq: 30 Sep 2019 19:14

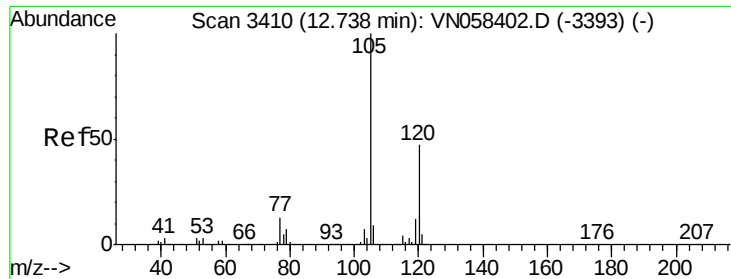
Tgt Ion: 91 Resp: 822061

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6





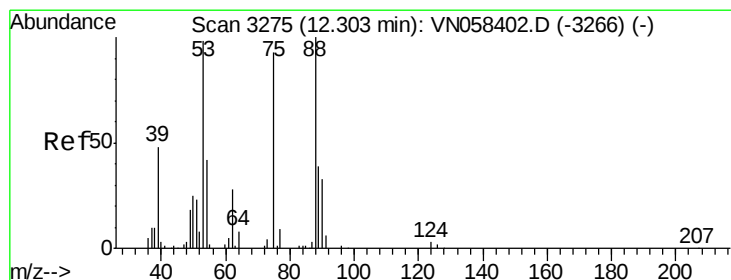
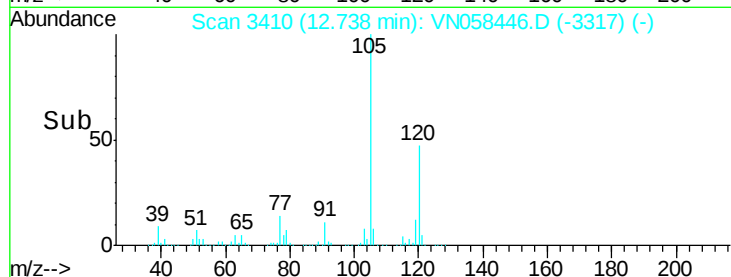
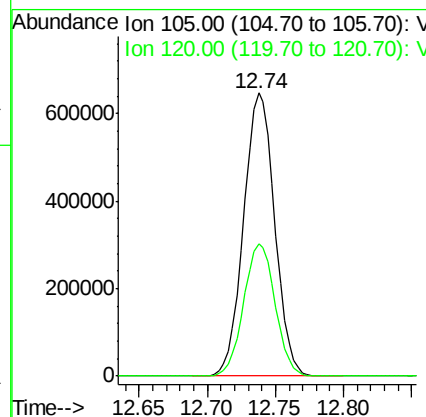
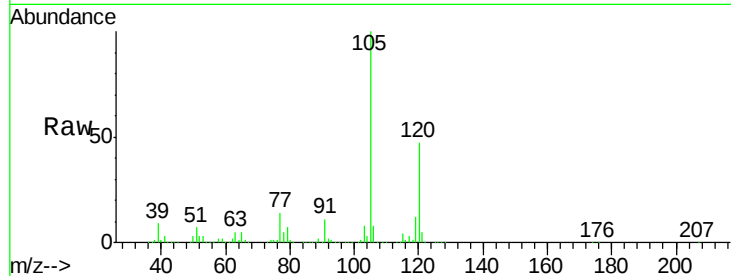
#80
 1,3,5-Trimethylbenzene
 Concen: 51.885 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion:105 Resp: 1018695
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.5 70.6

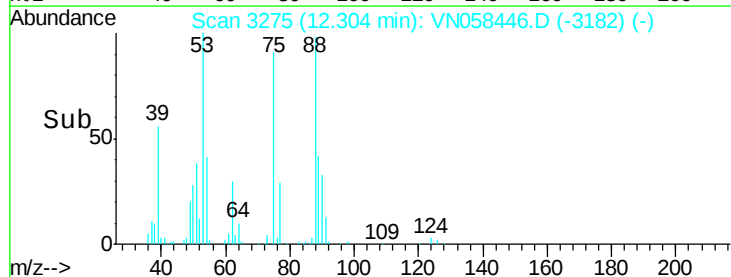
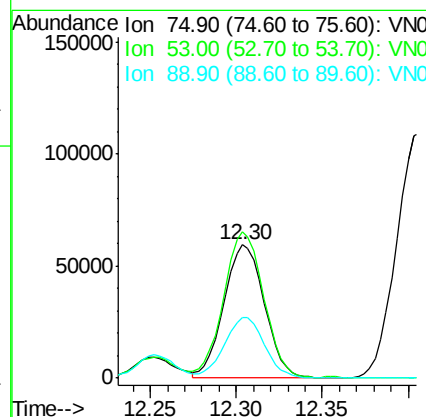
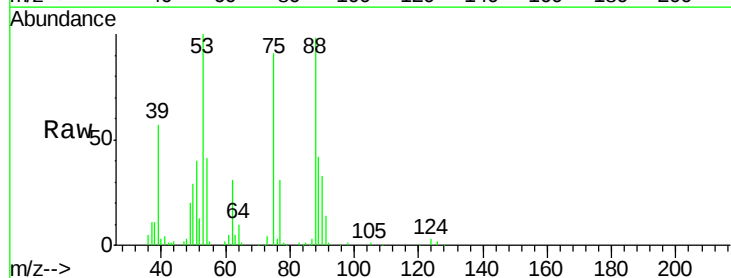
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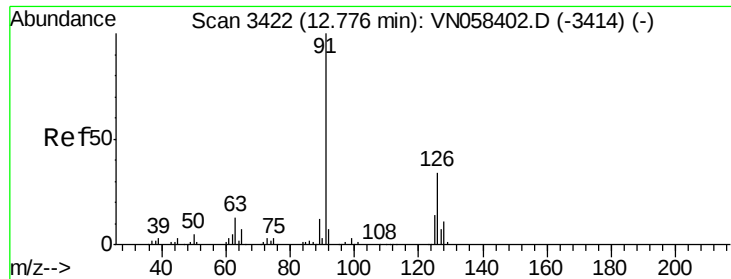
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.363 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion: 75 Resp: 98033
 Ion Ratio Lower Upper
 75 100
 53 107.5 85.4 128.0
 89 44.9 35.0 52.4





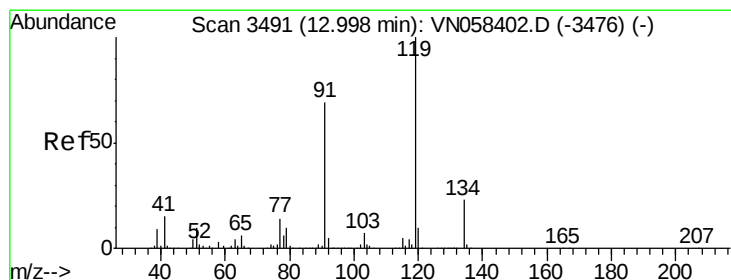
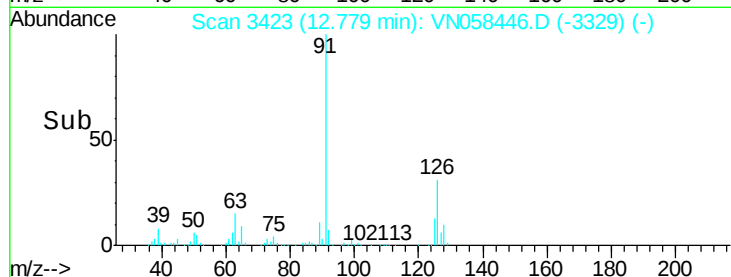
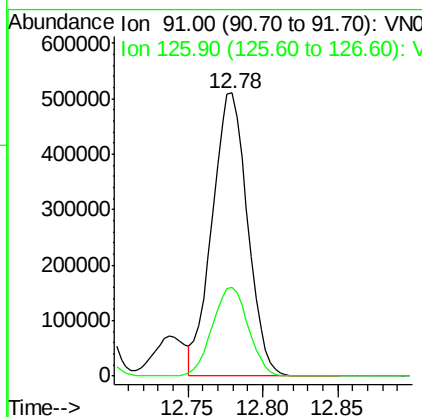
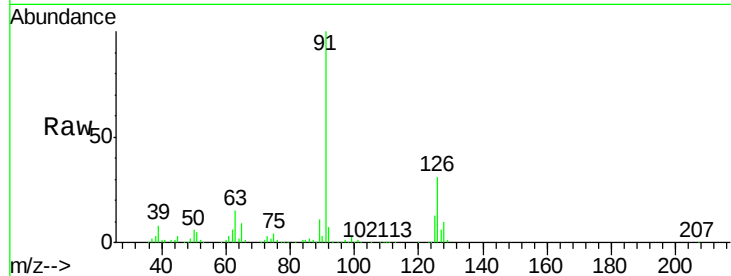
#82
4-Chlorotoluene
Concen: 50.428 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.7

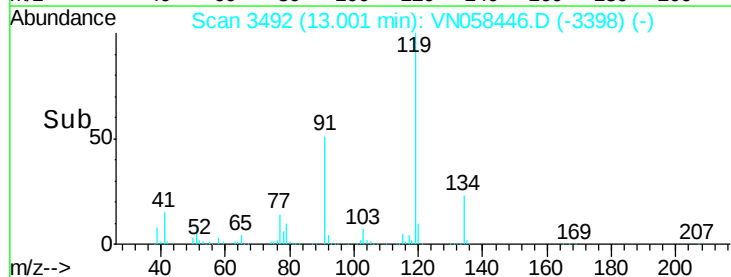
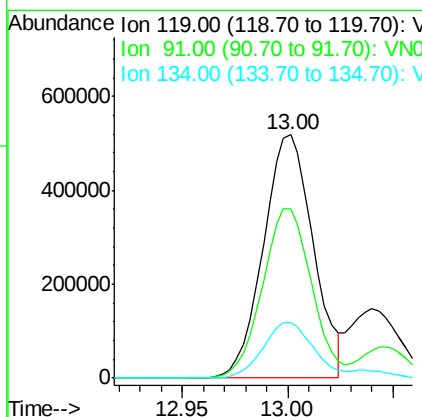
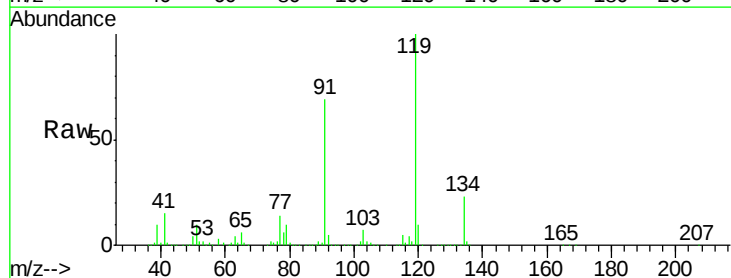
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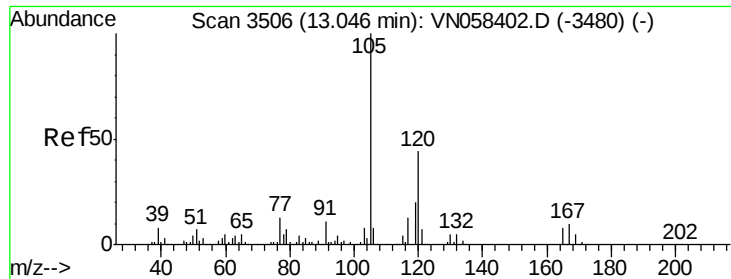
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#83
tert-Butylbenzene
Concen: 51.350 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.2	102.6
134	23.5	11.6	34.8





#84

1,2,4-Trimethylbenzene

Concen: 52.062 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:105 Resp: 1024111

Ion Ratio Lower Upper

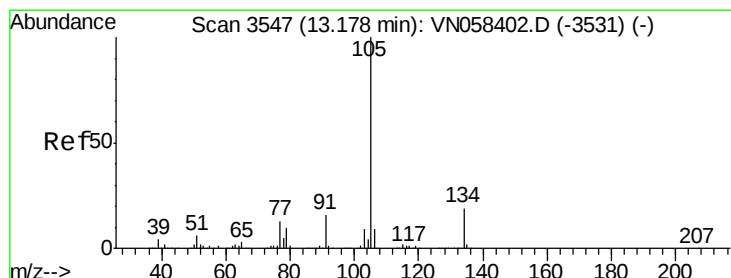
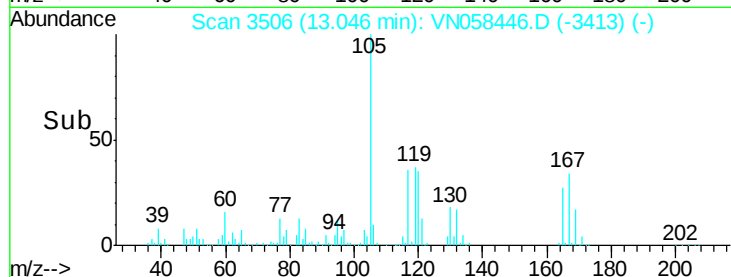
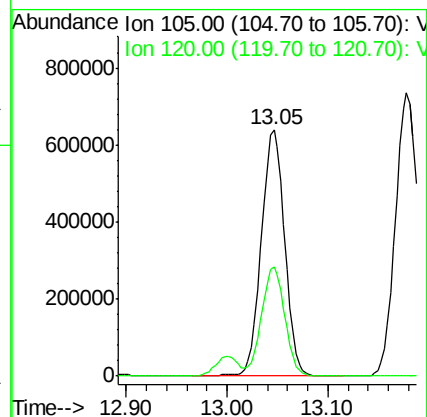
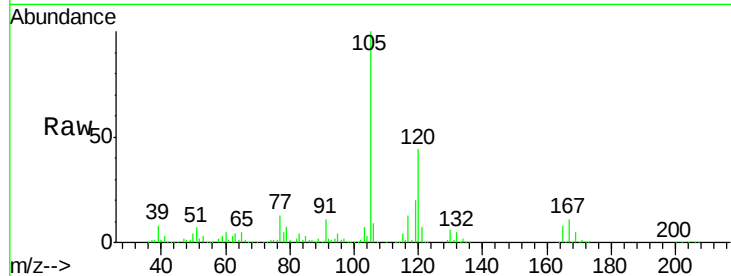
105 100

120 43.8 21.7 65.1

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#85

sec-Butylbenzene

Concen: 53.347 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058446.D

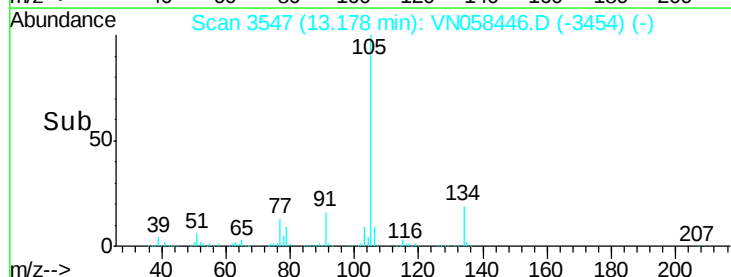
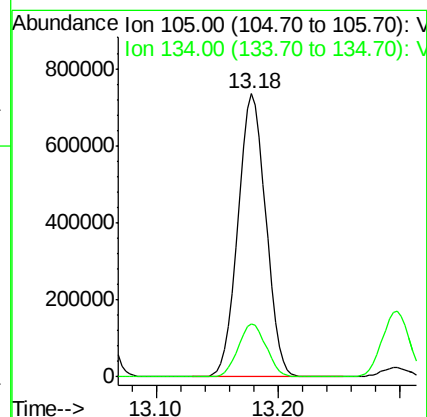
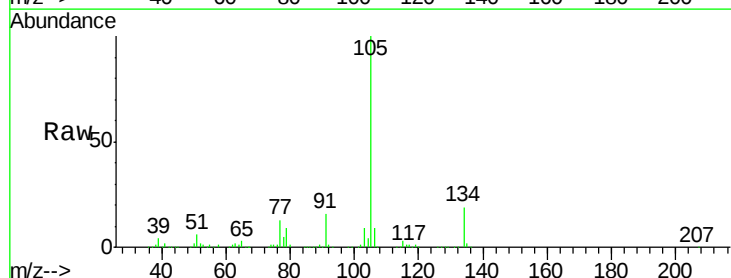
Acq: 30 Sep 2019 19:14

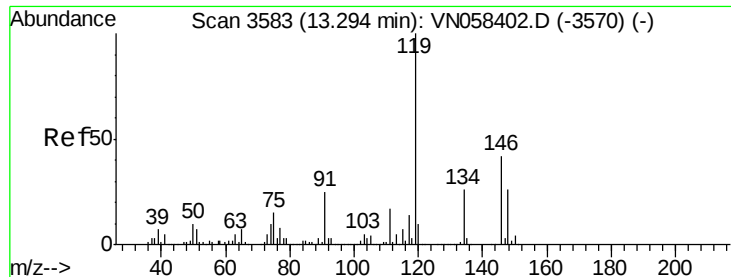
Tgt Ion:105 Resp: 1163277

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2





#86

p-Isopropyltoluene

Concen: 54.168 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:119 Resp: 1039731

Ion Ratio Lower Upper

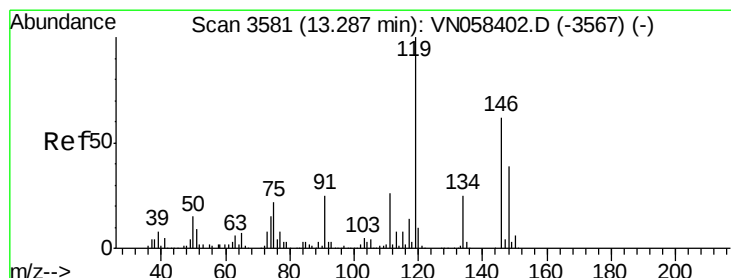
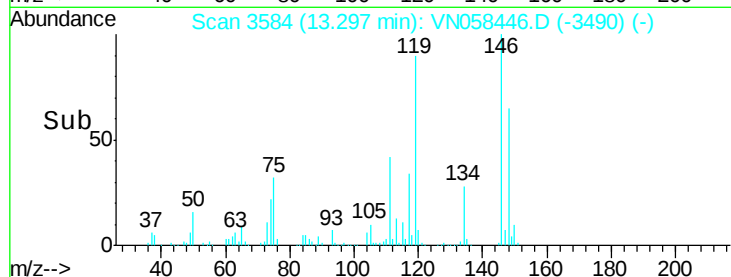
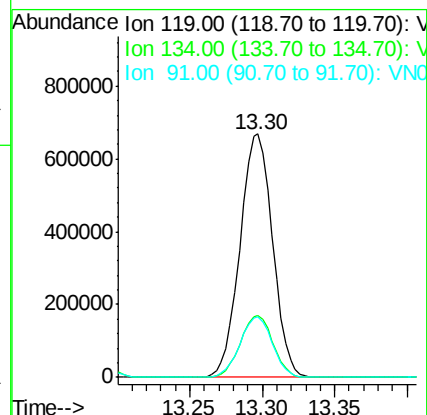
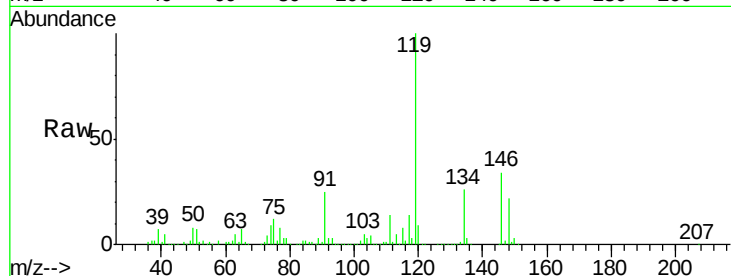
119 100

134 25.5 13.0 39.0

91 24.7 12.4 37.0

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#87

1,3-Dichlorobenzene

Concen: 49.898 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

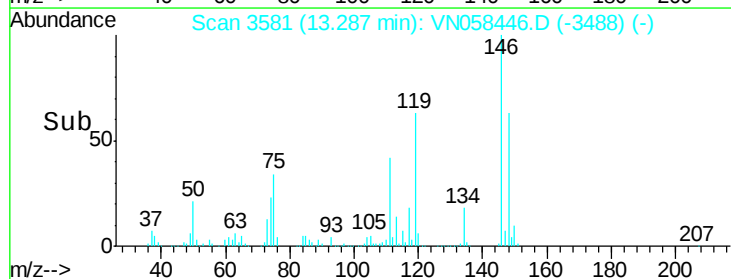
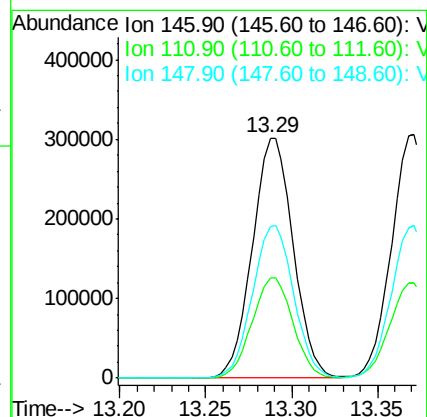
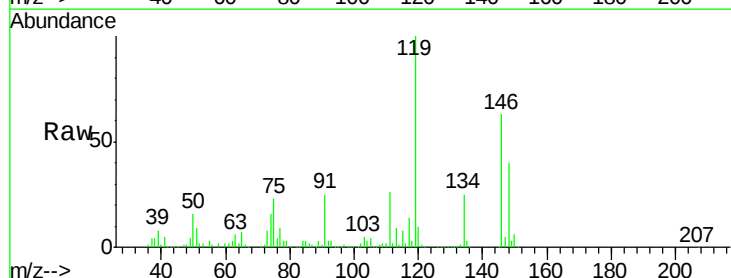
Tgt Ion:146 Resp: 497588

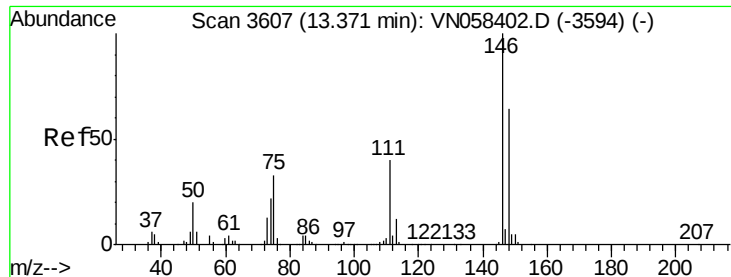
Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.4

148 64.1 31.4 94.3





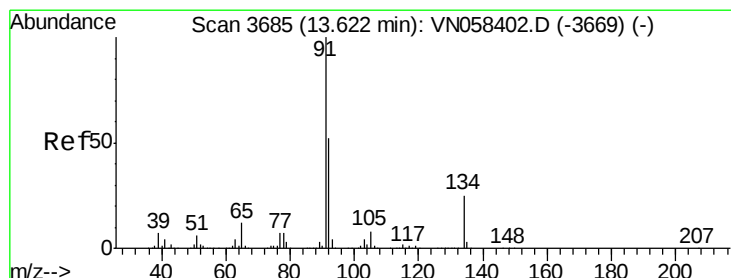
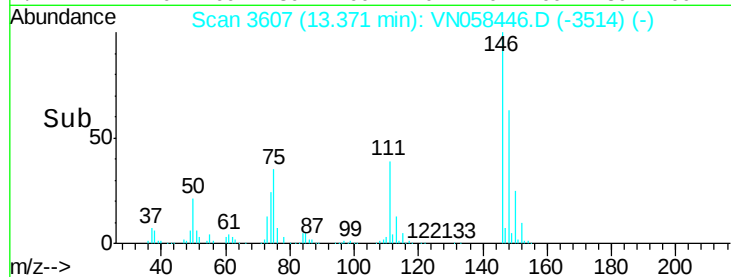
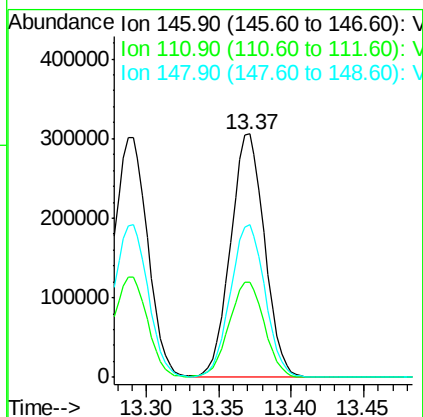
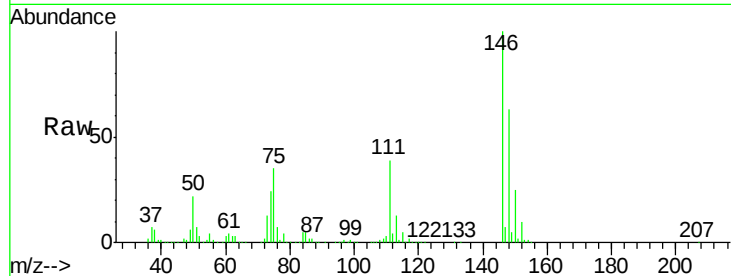
#88
 1,4-Dichlorobenzene
 Concen: 50.165 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.6
148	63.7	31.5	94.5

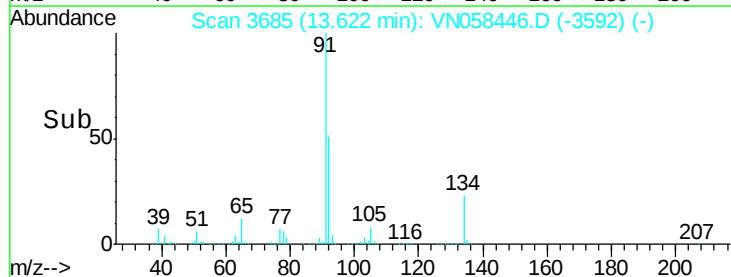
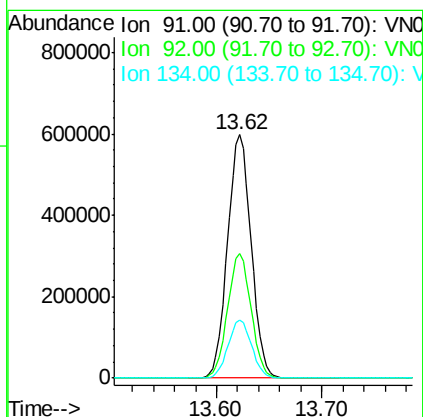
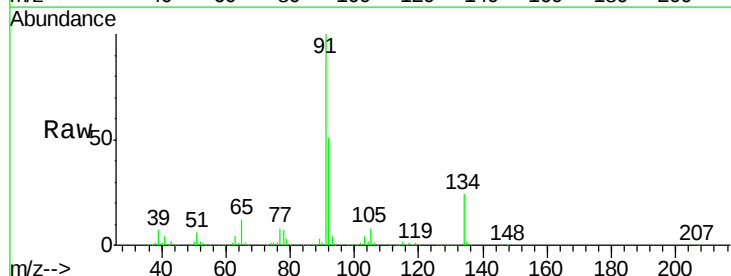
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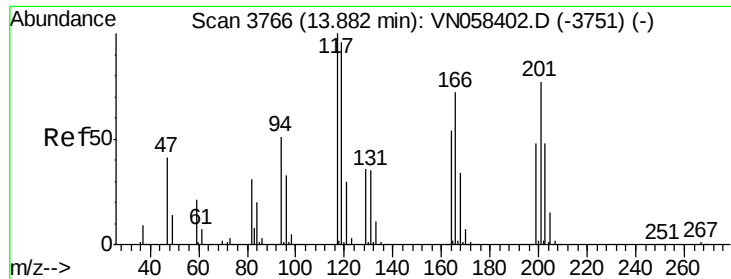
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#89
 n-Butylbenzene
 Concen: 53.125 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.1
134	24.0	12.2	36.6





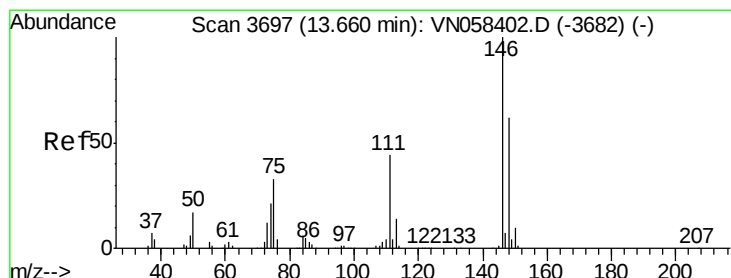
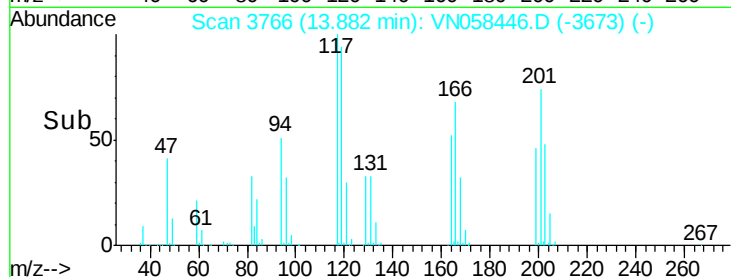
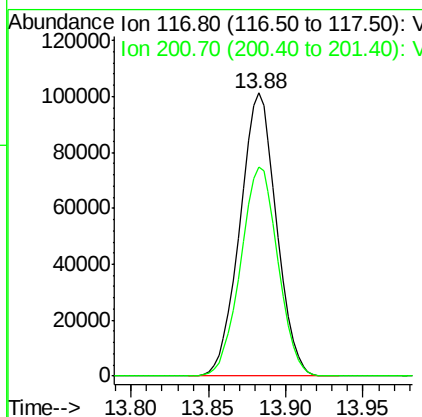
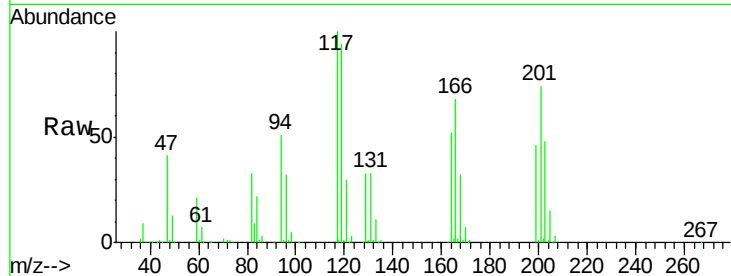
#90
Hexachloroethane
Concen: 57.657 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MSD

Tot Ion:117 Resp: 166278
Ion Ratio Lower Upper
117 100
201 75.4 38.6 116.0

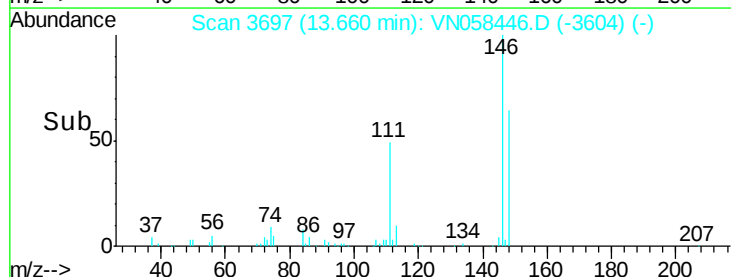
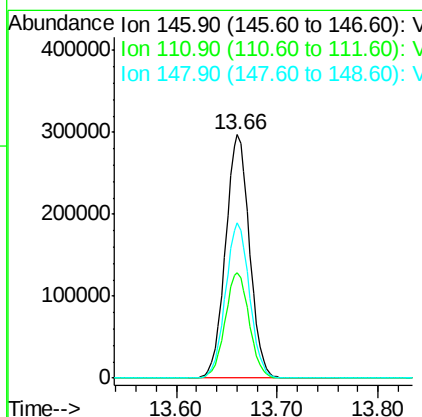
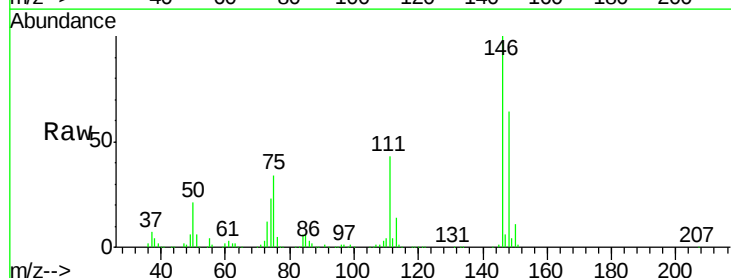
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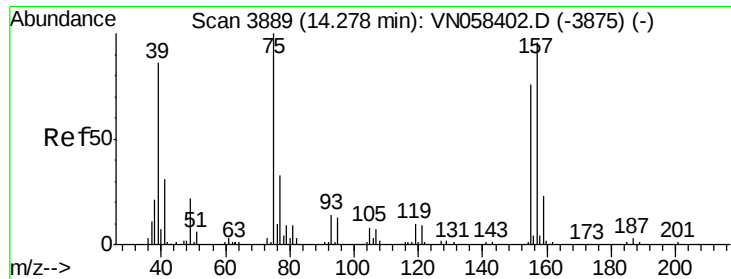
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#91
1,2-Dichlorobenzene
Concen: 51.433 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058446.D
Acq: 30 Sep 2019 19:14

Tgt Ion:146 Resp: 492809
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.3
148 63.8 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.155 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

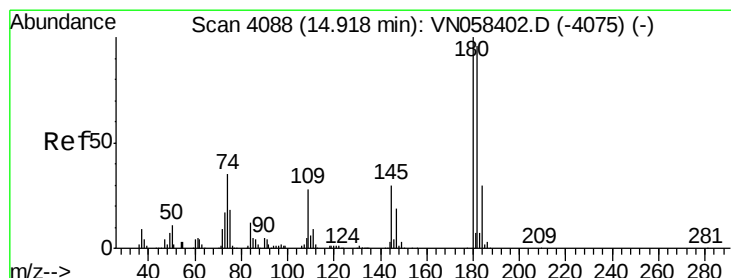
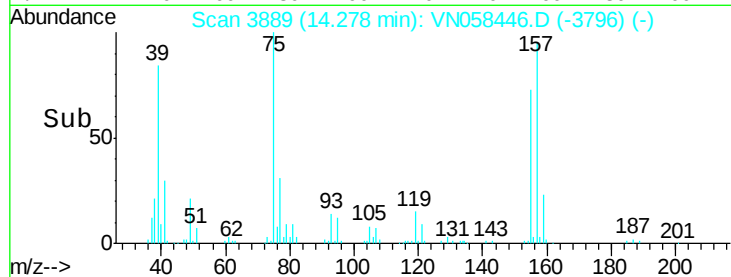
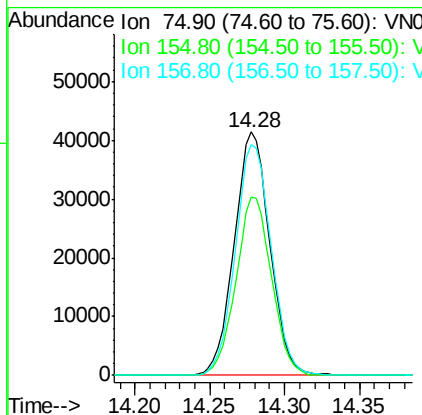
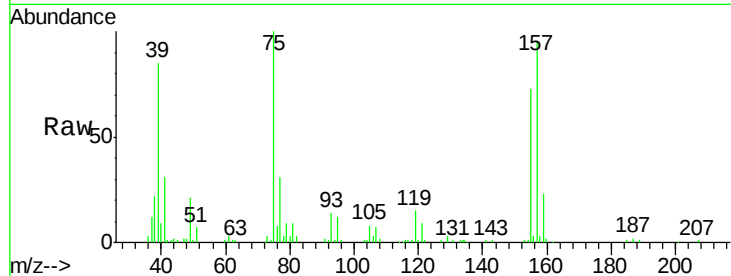
ClientSampleId :

SA-MW184S-20190924MSD

Tot Ion:	75	Resp:	68680
Ion Ratio	Lower	Upper	
75	100		
155	72.9	39.2	117.6
157	95.4	48.7	146.1

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#93

1,2,4-Trichlorobenzene

Concen: 54.618 ug/l

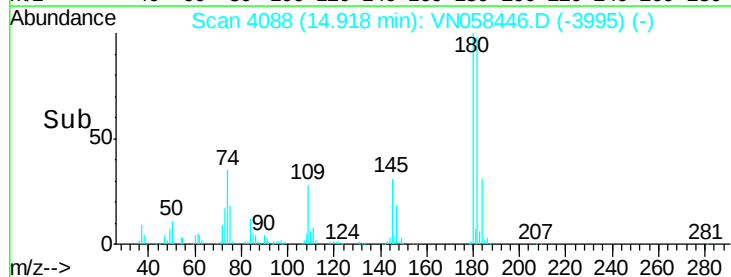
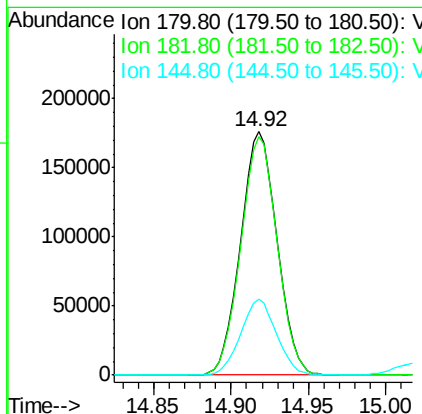
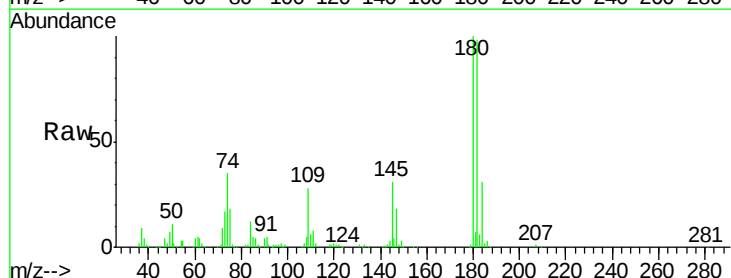
RT: 14.92 min Scan# 4088

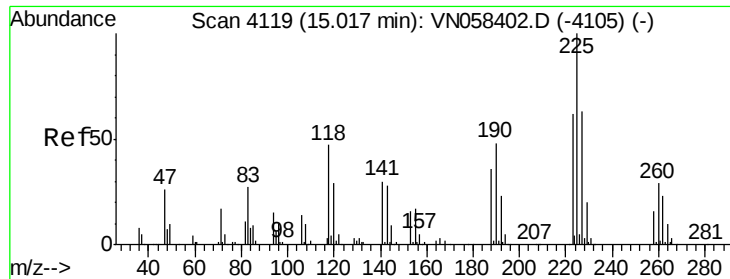
Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Tgt Ion:	180	Resp:	289189
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.4	142.3
145	30.4	15.3	45.9





#94

Hexachlorobutadiene

Concen: 50.232 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058446.D

Acq: 30 Sep 2019 19:14

Instrument :

MSVOA_N

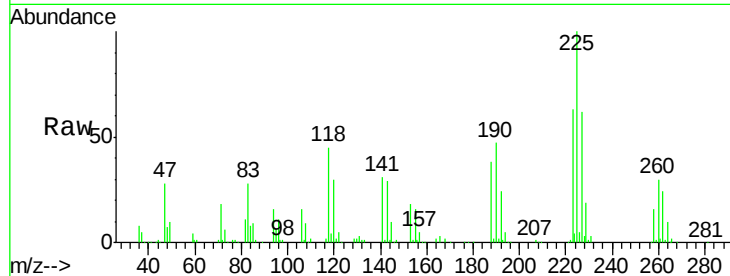
ClientSampleId :

SA-MW184S-20190924MSD

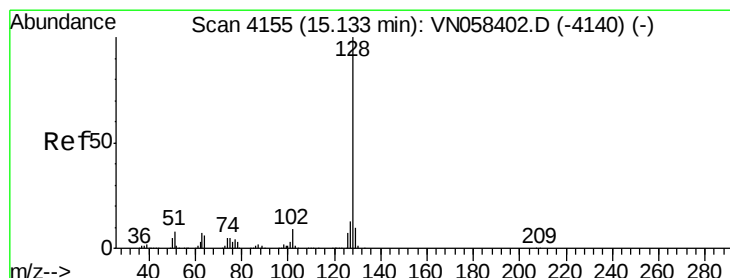
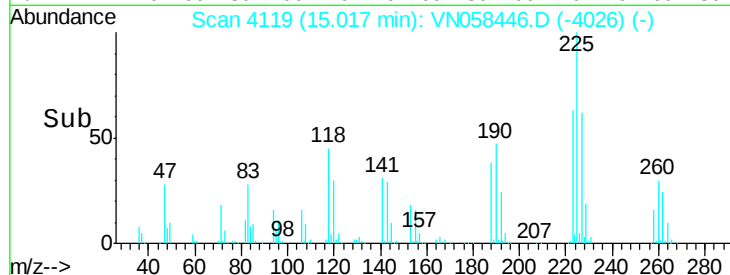
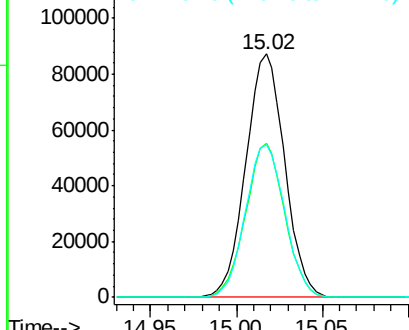
Tot Ion:	225	Resp:	136701
Ion Ratio		Lower	Upper
225	100		
223	63.4	31.1	93.5
227	63.6	31.4	94.2

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:31 AM



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: 52.405 ug/l

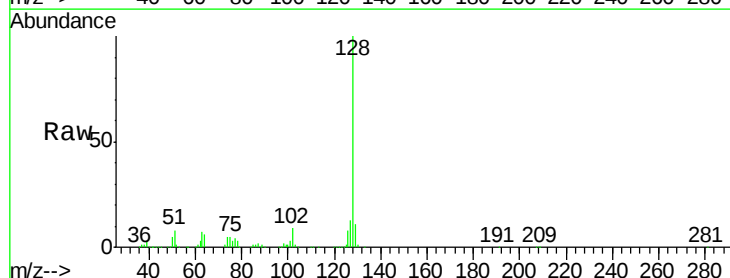
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

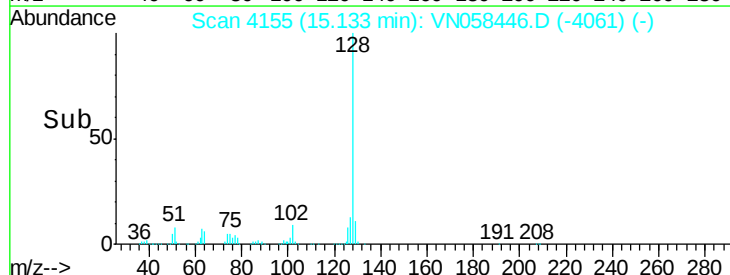
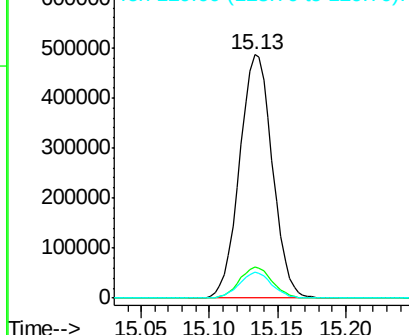
Lab File: VN058446.D

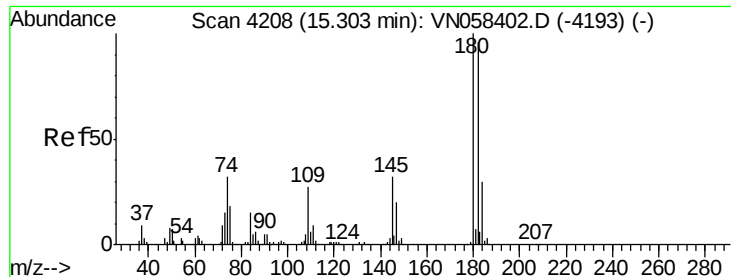
Acq: 30 Sep 2019 19:14

Tgt Ion:	128	Resp:	812557
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.5	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: 52.691 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058446.D
 Acq: 30 Sep 2019 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.5	48.3	144.9
145	32.8	16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:31 AM

