

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058360.D
 Acq On : 25 Sep 2019 12:36
 Operator : JC/SP
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:19 PM

Quant Time: Sep 26 03:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	455459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	785313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314664	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.58	113	224601	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	10.08	98	861960	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.41	95	308489	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61778	16.512	ug/l	99
3) Chloromethane	2.04	50	53163	17.767	ug/l	97
4) Vinyl Chloride	2.17	62	56971	17.475	ug/l	99
5) Bromomethane	2.55	94	30375	18.654	ug/l	99
6) Chloroethane	2.69	64	39057	18.221	ug/l	97
7) Trichlorofluoromethane	3.00	101	86119	16.863	ug/l	98
8) Diethyl Ether	3.39	74	43011	18.381	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	64709	17.574	ug/l	98
10) Methyl Iodide	3.94	142	48783	15.811	ug/l	97
11) Tert butyl alcohol	4.76	59	85545	113.366	ug/l	99
12) 1,1-Dichloroethene	3.72	96	51197	18.095	ug/l	96
13) Acrolein	3.59	56	5450	48.736	ug/l	94
14) Allyl chloride	4.30	41	105620	17.530	ug/l	99
15) Acrylonitrile	4.97	53	208634	103.775	ug/l	98
16) Acetone	3.80	43	192036	89.183	ug/l	98
17) Carbon Disulfide	4.03	76	62827	16.158	ug/l	97
18) Methyl Acetate	4.30	43	112342	19.827	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	269082	19.376	ug/l	97
20) Methylene Chloride	4.53	84	74550	19.640	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	55820	18.075	ug/l	97
22) Diisopropyl ether	5.93	45	290838	19.003	ug/l	95
23) Vinyl Acetate	5.87	43	1034772	98.809	ug/l	100
24) 1,1-Dichloroethane	5.83	63	150469	18.421	ug/l	99
25) 2-Butanone	6.82	43	295000	100.559	ug/l	97
26) 2,2-Dichloropropane	6.81	77	115155	16.617	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85437	18.498	ug/l	99
28) Bromochloromethane	7.17	49	82822	21.433	ug/l	99
29) Tetrahydrofuran	7.19	42	181469	100.425	ug/l	100
30) Chloroform	7.36	83	162782	18.513	ug/l	100
31) Cyclohexane	7.64	56	100164	17.396	ug/l #	90
32) 1,1,1-Trichloroethane	7.55	97	125198	18.704	ug/l	99
36) 1,1-Dichloropropene	7.78	75	93299	16.474	ug/l	99
37) Ethyl Acetate	6.91	43	114532	19.487	ug/l	99
38) Carbon Tetrachloride	7.76	117	99170	17.420	ug/l	96

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 9/26/2019 1:00:19 PM

Quant Time: Sep 26 03:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	90933	16.654	ug/l	98
40) Benzene	8.03	78	299051	17.289	ug/l	99
41) Methacrylonitrile	7.16	41	59842m	20.754	ug/l	
42) 1,2-Dichloroethane	8.11	62	132093	18.199	ug/l	99
43) Isopropyl Acetate	8.15	43	199619	18.186	ug/l #	91
44) Trichloroethene	8.82	130	74571	17.617	ug/l	96
45) 1,2-Dichloropropane	9.11	63	96970	18.772	ug/l	98
46) Dibromomethane	9.20	93	56480	17.983	ug/l	99
47) Bromodichloromethane	9.39	83	122217	18.575	ug/l	98
48) Methyl methacrylate	9.19	41	94035	18.868	ug/l	98
49) 1,4-Dioxane	9.19	88	34384	420.221	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	641514	110.034	ug/l	99
52) Toluene	10.15	92	187240	17.272	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119182	17.683	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	131534	17.676	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92304	19.187	ug/l	98
56) Ethyl methacrylate	10.43	69	131913	19.005	ug/l	99
57) 1,3-Dichloropropane	10.71	76	154733	18.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	335408	101.447	ug/l	100
59) 2-Hexanone	10.75	43	454261	104.910	ug/l	99
60) Dibromochloromethane	10.90	129	85070	18.381	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83024	18.622	ug/l	99
64) Tetrachloroethene	10.63	164	56966	16.640	ug/l	96
65) Chlorobenzene	11.44	112	220381	17.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82154	18.342	ug/l	99
67) Ethyl Benzene	11.51	91	386282	18.250	ug/l	100
68) m/p-Xylenes	11.62	106	280637	35.204	ug/l	98
69) o-Xylene	11.95	106	143382	18.292	ug/l	97
70) Styrene	11.97	104	246924	18.283	ug/l	99
71) Bromoform	12.13	173	52346	18.225	ug/l	98
73) Isopropylbenzene	12.25	105	403394	19.835	ug/l	99
74) N-amyl acetate	12.07	43	172269	20.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	141311	20.749	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	122800m	21.119	ug/l	
77) Bromobenzene	12.53	156	95502	18.669	ug/l	99
78) n-propylbenzene	12.60	91	466436	20.183	ug/l	99
79) 2-Chlorotoluene	12.68	91	279717	19.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	338197	19.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31694	20.127	ug/l	95
82) 4-Chlorotoluene	12.78	91	286178	18.850	ug/l	99
83) tert-Butylbenzene	13.00	119	306922	20.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	338282	19.766	ug/l	100
85) sec-Butylbenzene	13.18	105	406931	20.291	ug/l	100
86) p-Isopropyltoluene	13.30	119	361027	20.249	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175226	18.754	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173517	18.190	ug/l	97
89) n-Butylbenzene	13.62	91	329746	19.508	ug/l	100
90) Hexachloroethane	13.88	117	55222	19.488	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179114	19.110	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25574	20.858	ug/l	91

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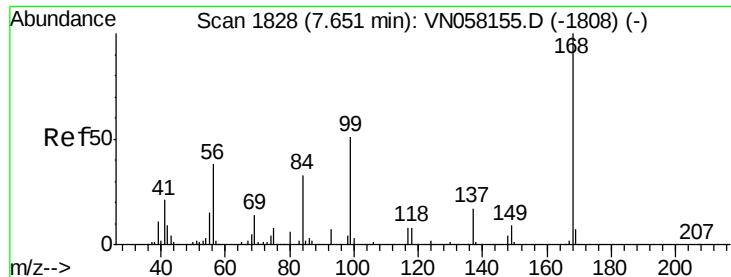
Manual Integrations
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9/26/2019 1:00:19 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110876	18.515	ug/l	98
94) Hexachlorobutadiene	15.02	225	53459	18.470	ug/l	99
95) Naphthalene	15.13	128	321262	20.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	106246	18.771	ug/l	98

(#) = 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: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:168 Resp: 455459

Ion Ratio Lower Upper

168 100

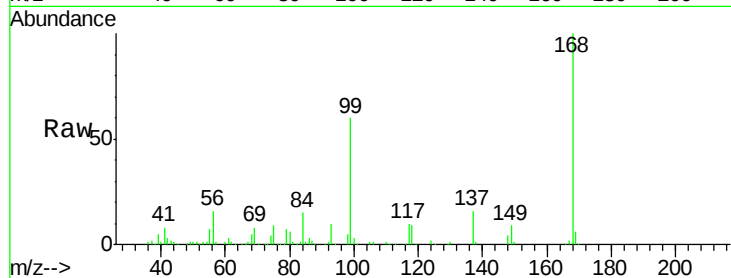
99 58.8 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

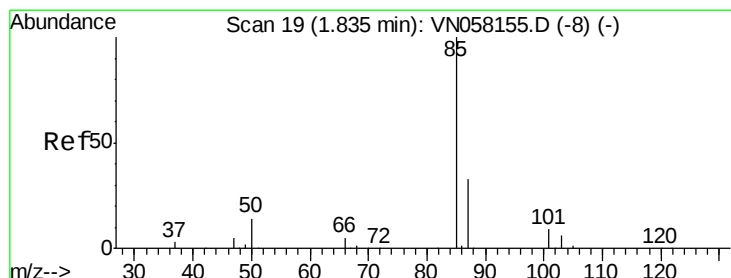
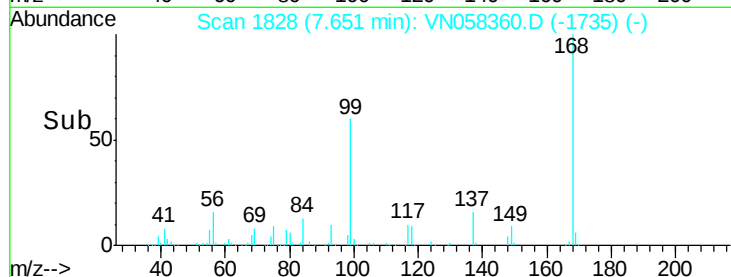
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.512 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058360.D

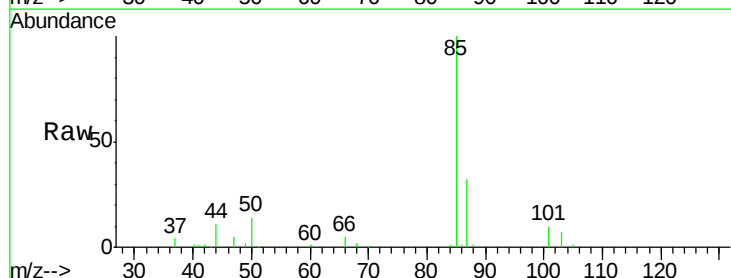
Acq: 25 Sep 2019 12:36

Tgt Ion: 85 Resp: 61778

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

20000

10000

0

1.75

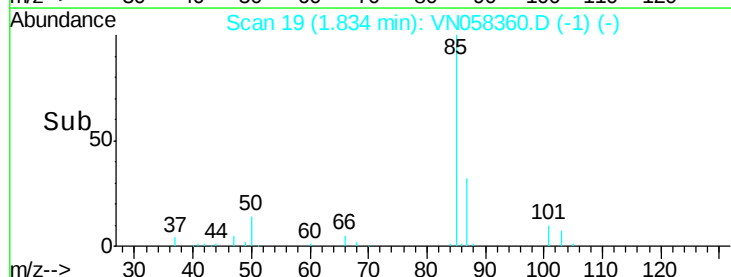
1.80

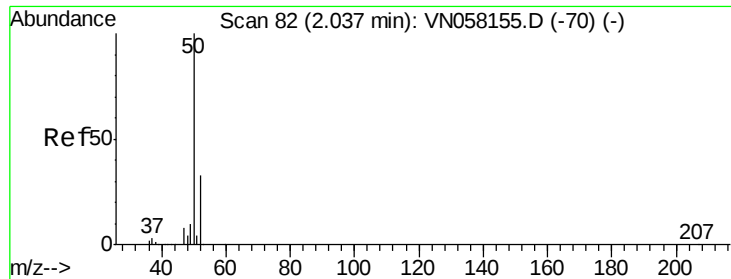
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 17.767 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tot Ion: 50 Resp: 53163

Ion Ratio Lower Upper

50 100

52 31.1 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

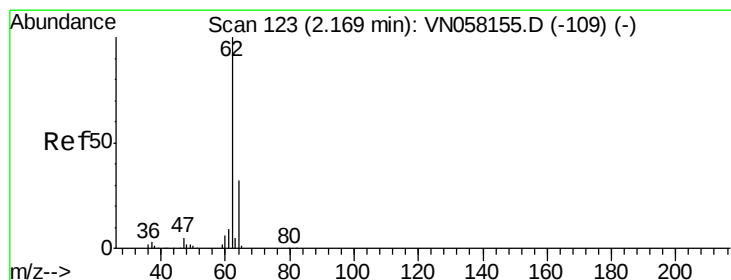
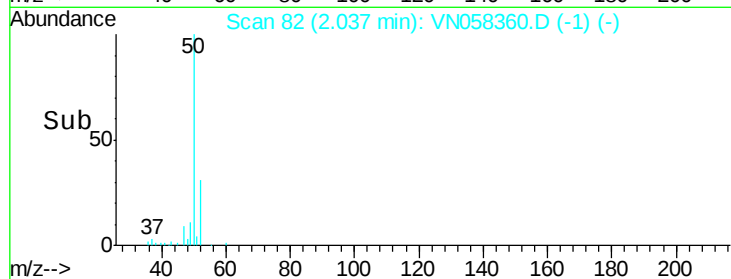
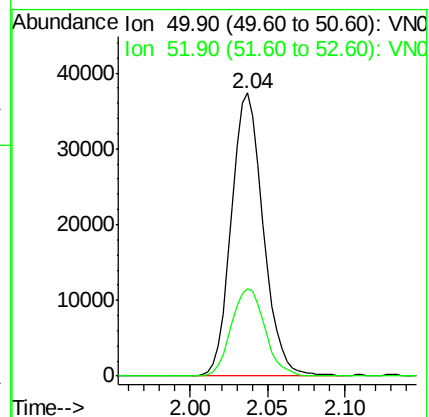
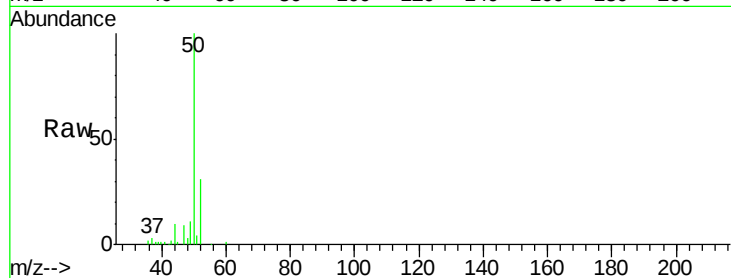
VN0925WBSD01

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.475 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058360.D

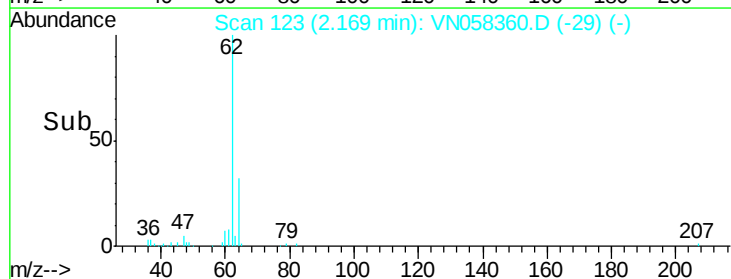
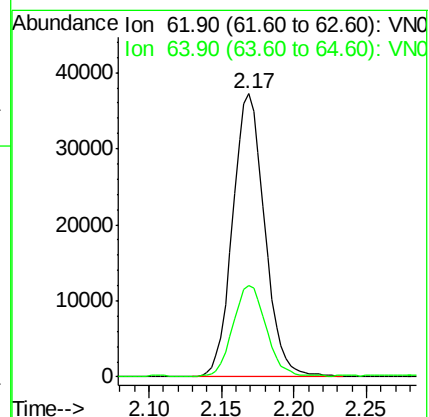
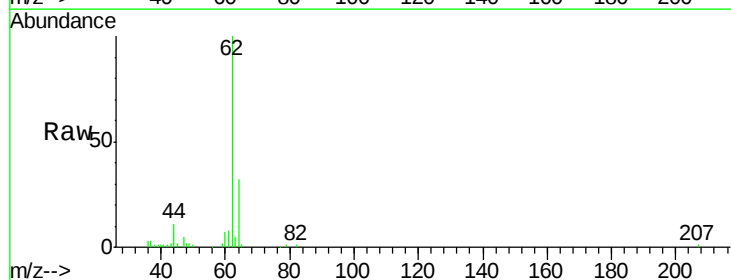
Acq: 25 Sep 2019 12:36

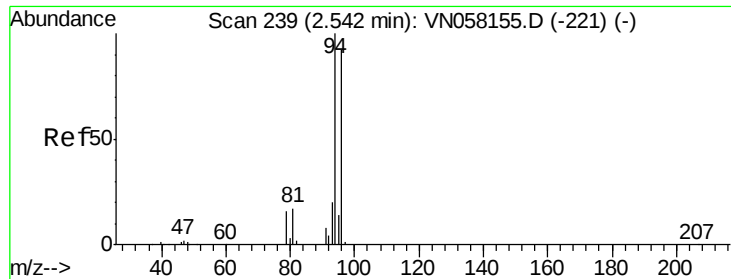
Tgt Ion: 62 Resp: 56971

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 18.654 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 94 Resp: 30375

Ion Ratio Lower Upper

94 100

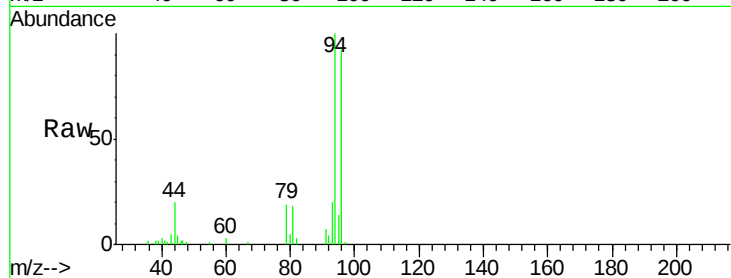
96 92.4 73.3 109.9

Manual Integrations

APPROVED

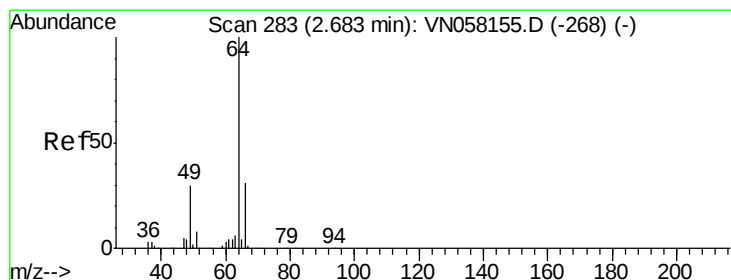
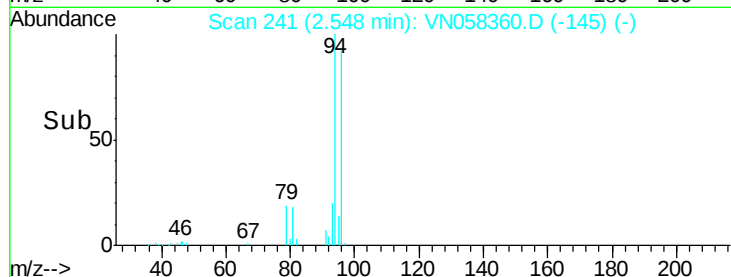
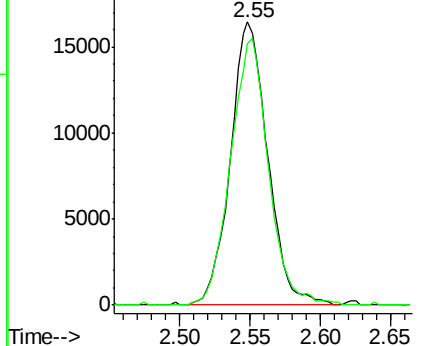
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.221 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058360.D

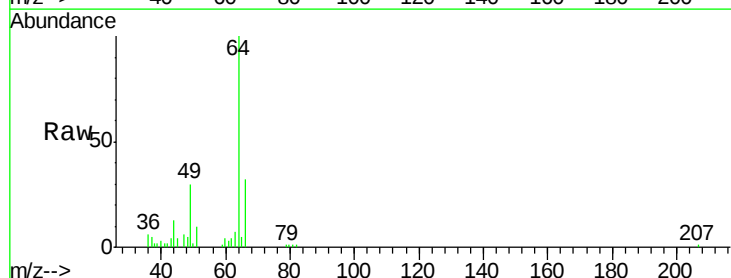
Acq: 25 Sep 2019 12:36

Tgt Ion: 64 Resp: 39057

Ion Ratio Lower Upper

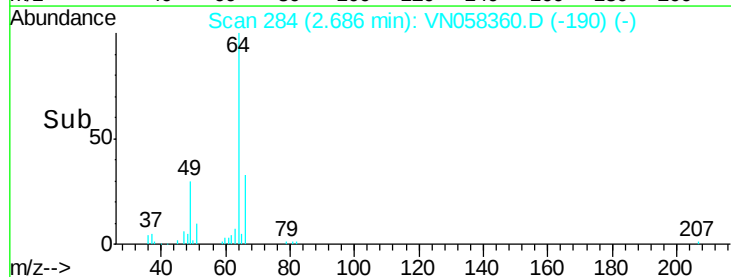
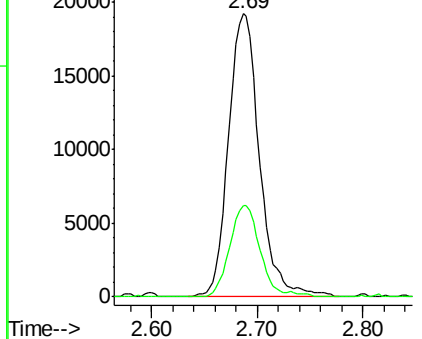
64 100

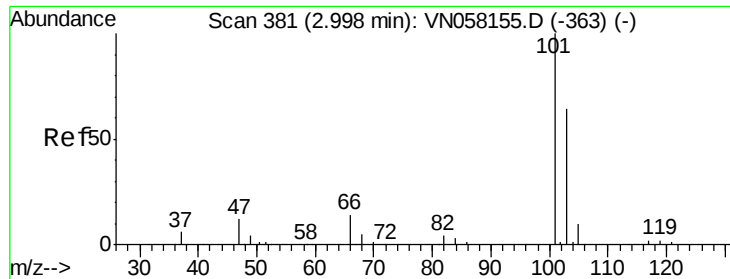
66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

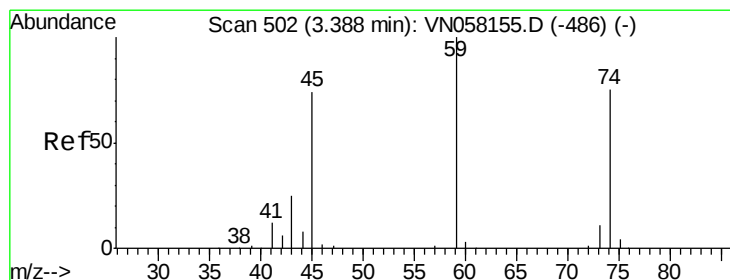
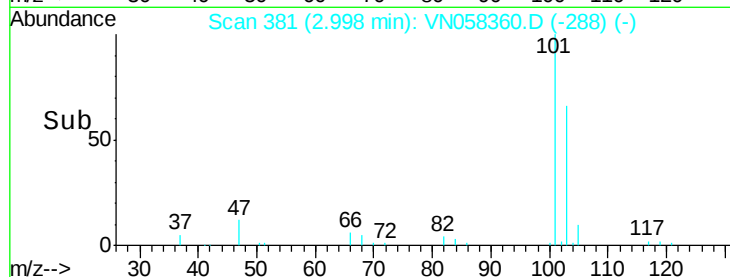
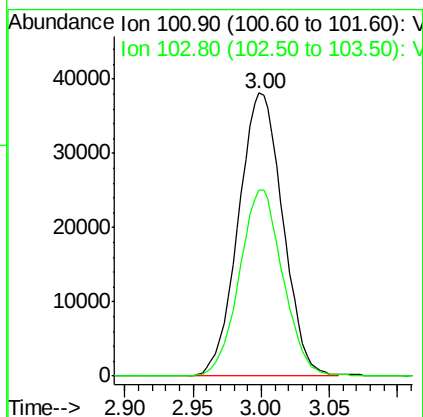
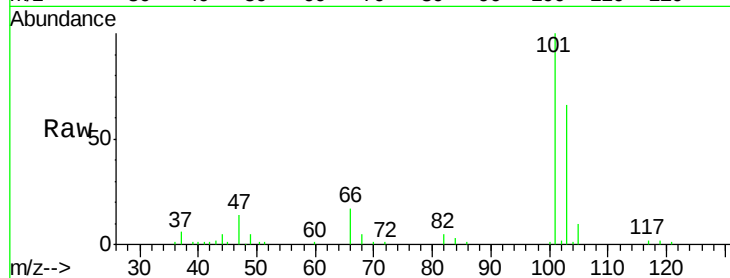
Trichlorofluoromethane
Concen: 16.863 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.0	76.6

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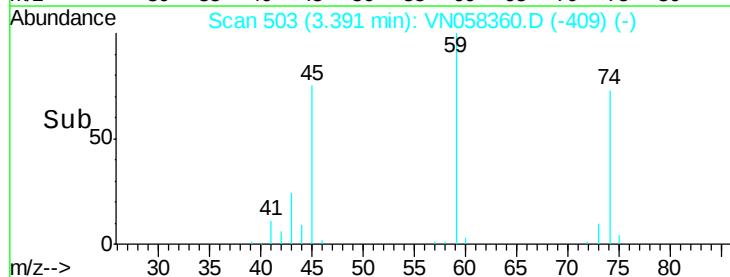
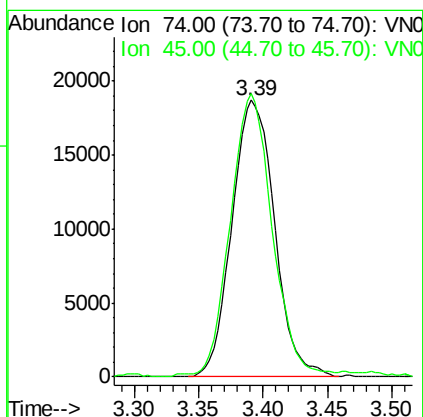
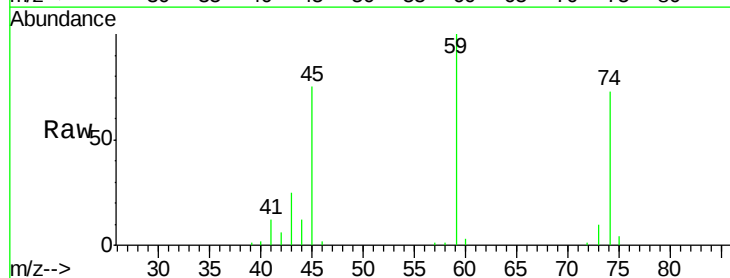
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9/26/2019 1:00:19 PM



#8

Diethyl Ether
Concen: 18.381 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.5	145.5





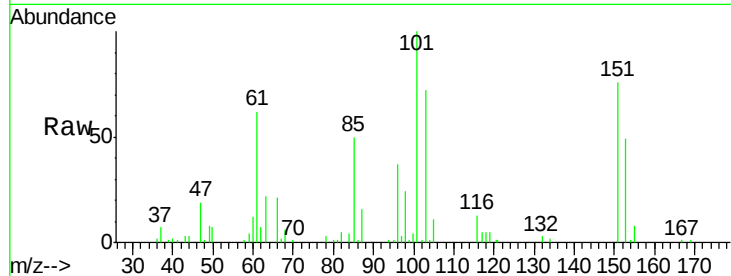
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.574 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

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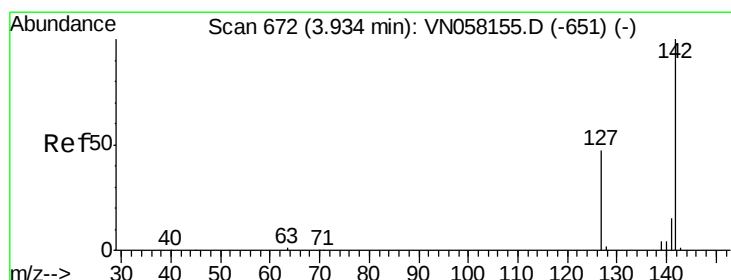
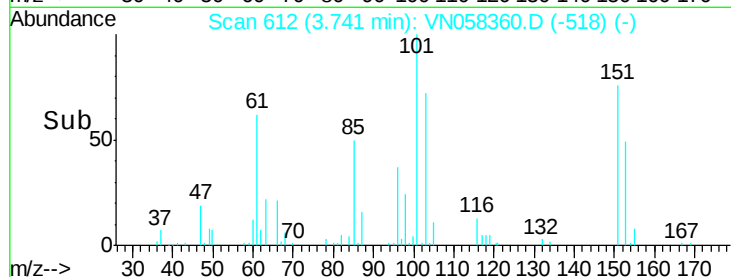
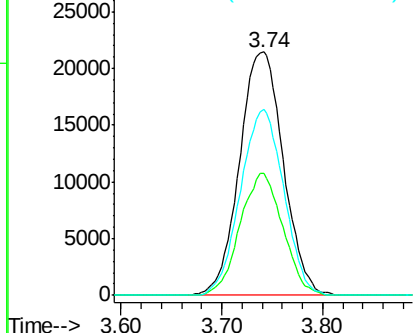
Tot Ion	Ratio	Lower	Upper
101	100		
85	48.9	37.3	55.9
151	75.4	59.6	89.4

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:19 PM

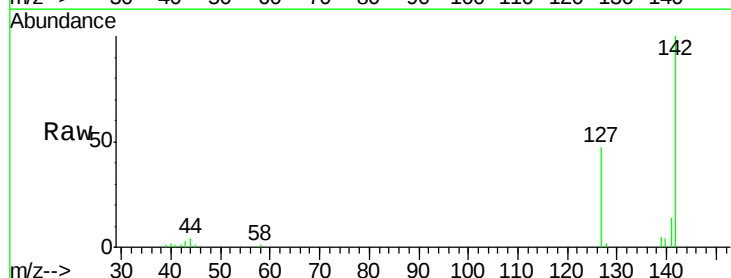


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

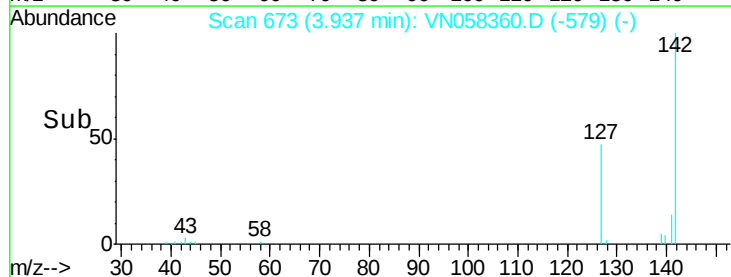
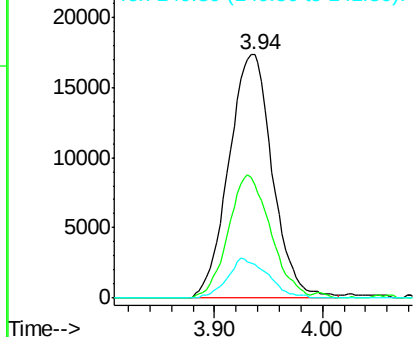


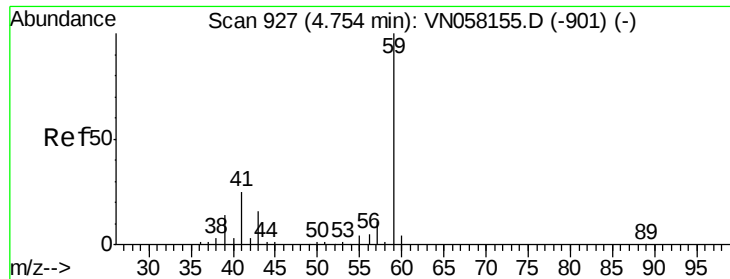
#10
Methyl Iodide
Concen: 15.811 ug/l
RT: 3.94 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.9	37.5	56.3
141	15.2	11.4	17.2



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





#11

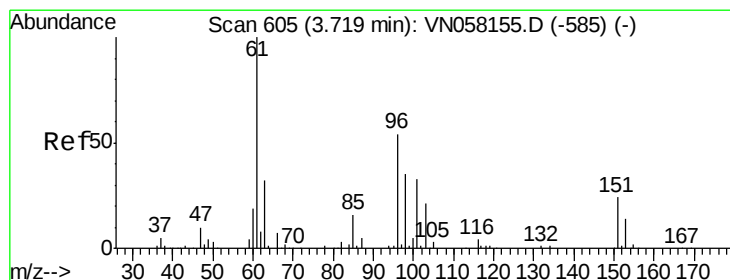
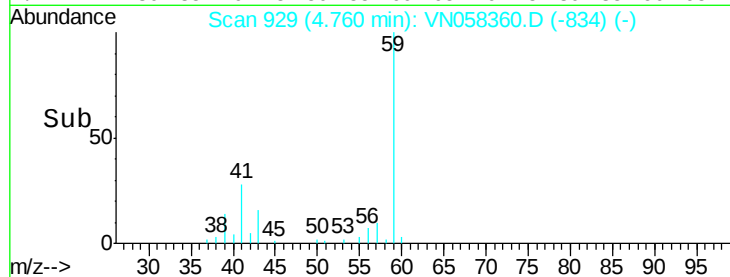
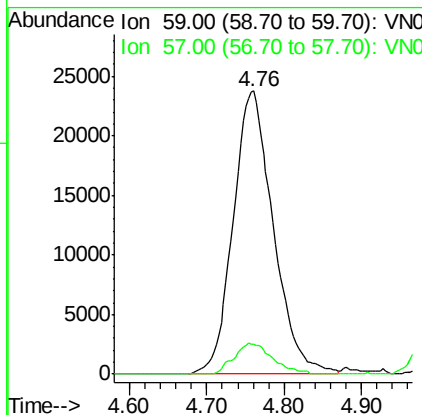
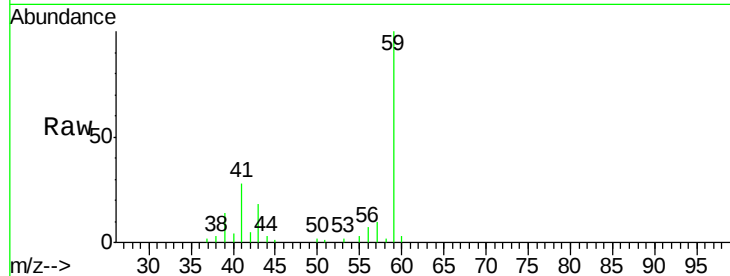
Tert butyl alcohol
 Concen: 113.366 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	10.2		8.6	13.0

Manual Integrations
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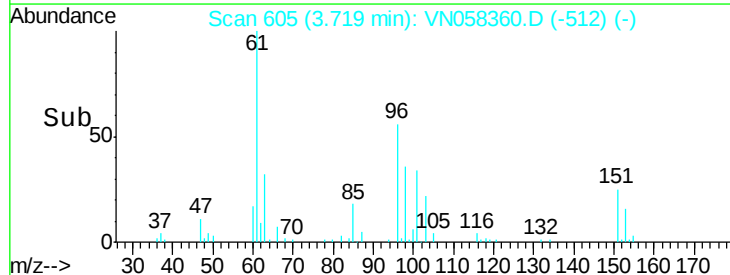
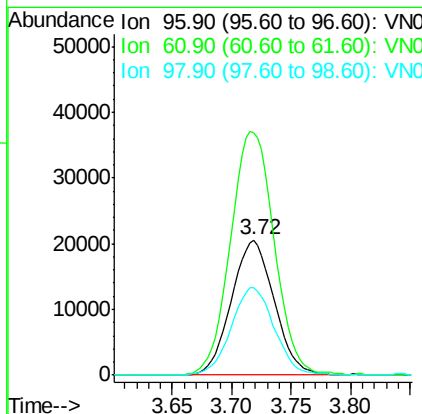
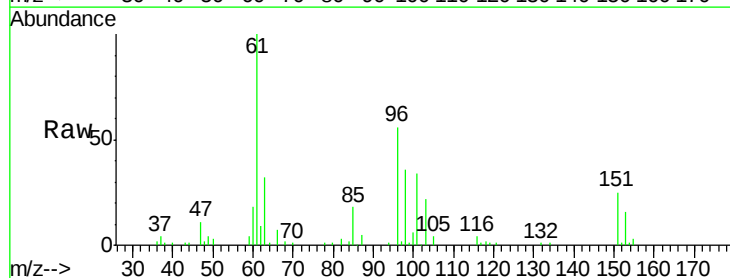
MMDadoda
 9/26/2019 1:00:19 PM

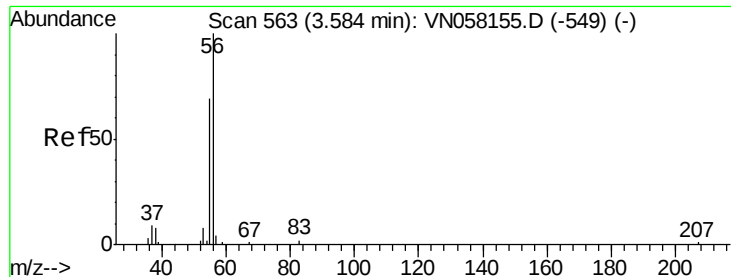


#12

1,1-Dichloroethene
 Concen: 18.095 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	178.9		149.5	224.3
98	64.8		52.4	78.6





#13

Acrolein

Concen: 48.736 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion: 56 Resp: 5450

Ion Ratio Lower Upper

56 100

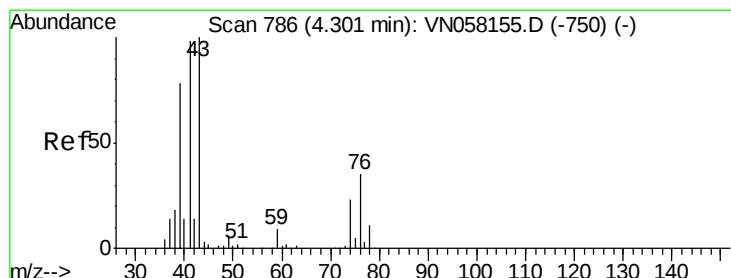
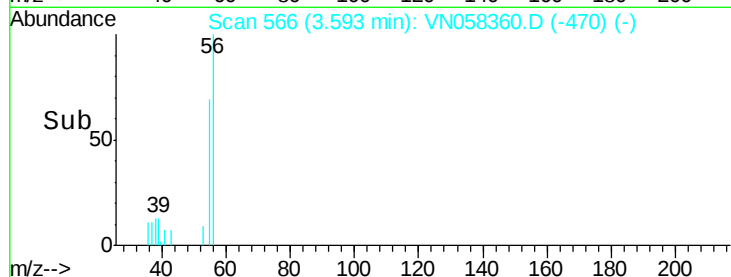
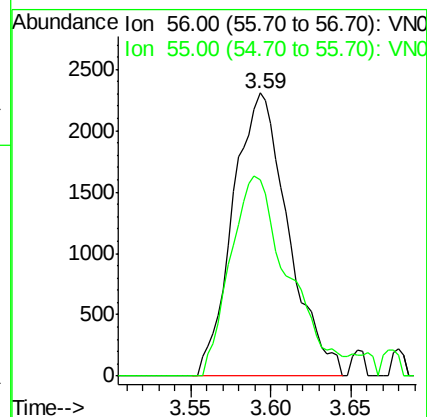
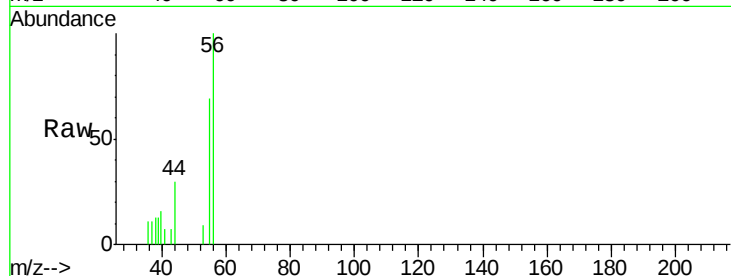
55 75.4 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.530 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

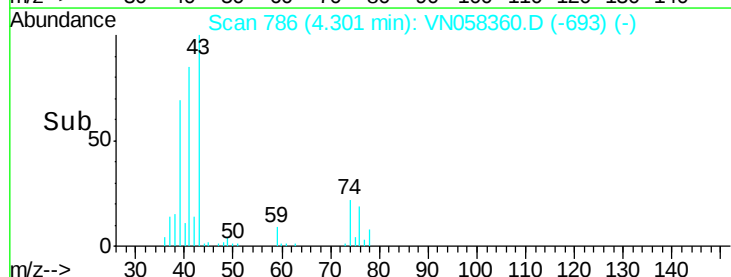
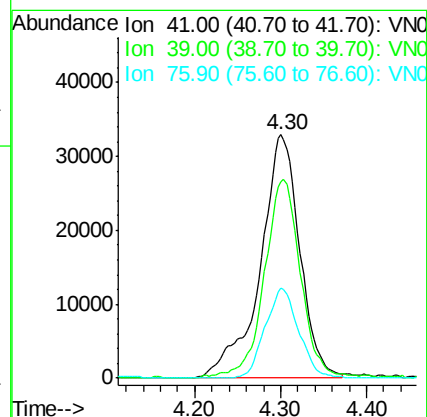
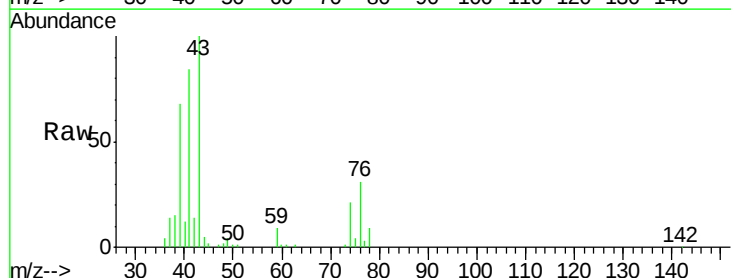
Tgt Ion: 41 Resp: 105620

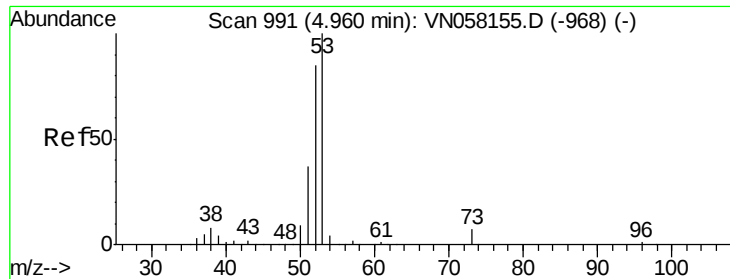
Ion Ratio Lower Upper

41 100

39 74.7 59.1 88.7

76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 103.775 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

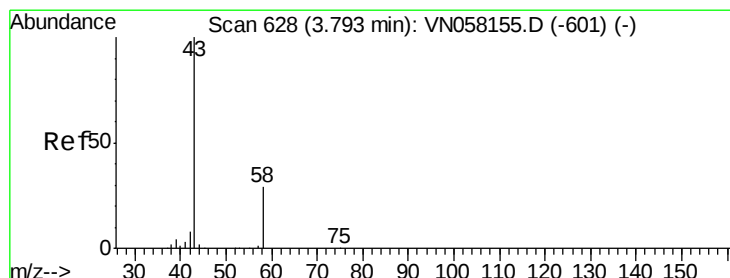
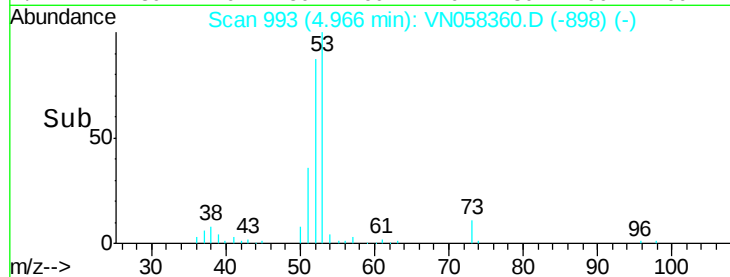
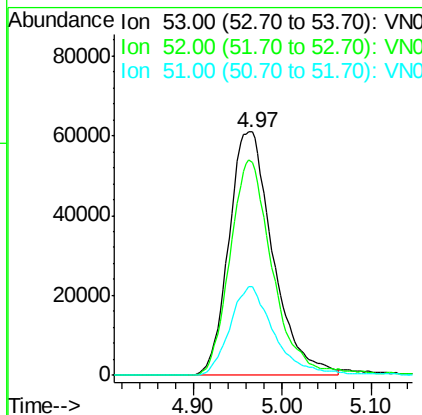
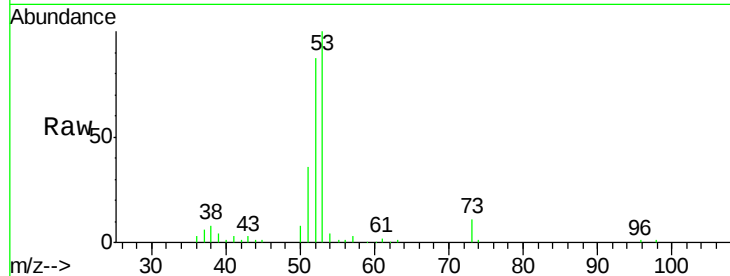
ClientSampleId :

VN0925WBSD01

Tot Ion:	53	Resp:	208634
Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.6	100.0
51	36.6	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 89.183 ug/l

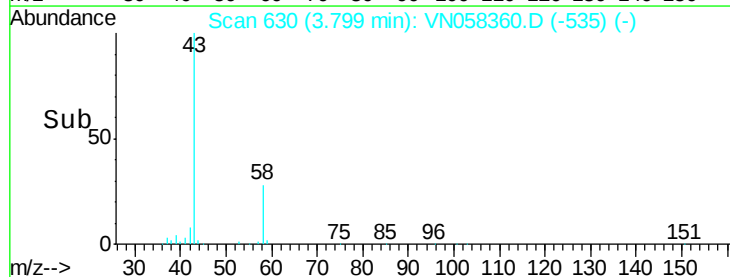
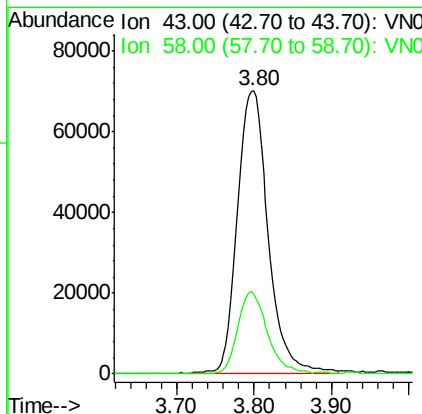
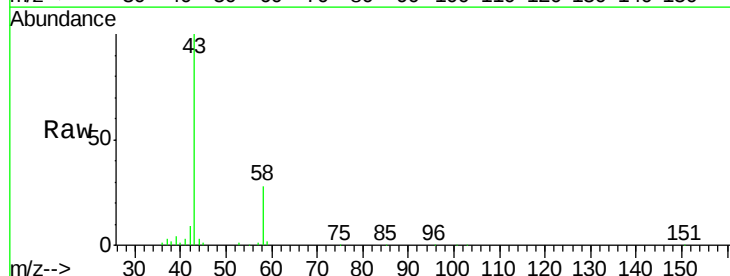
RT: 3.80 min Scan# 630

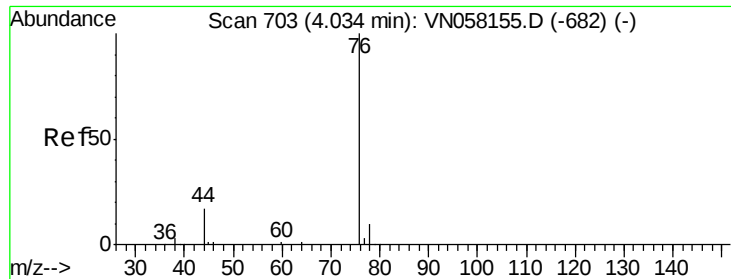
Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion:	43	Resp:	192036
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.4	35.2





#17

Carbon Disulfide

Concen: 16.158 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 76 Resp: 62827

Ion Ratio Lower Upper

76 100

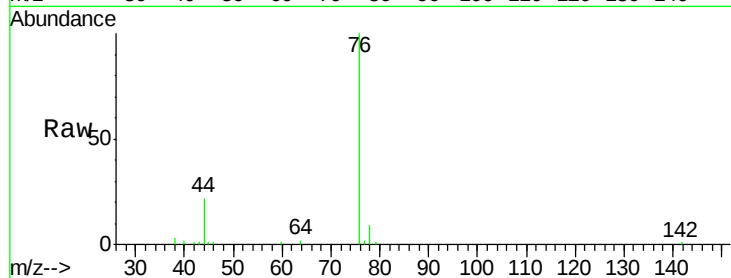
78 8.6 7.7 11.5

Manual Integrations

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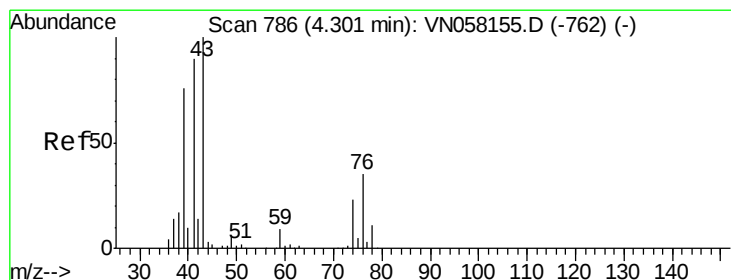
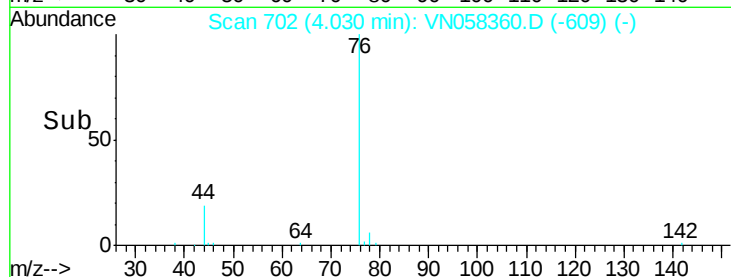
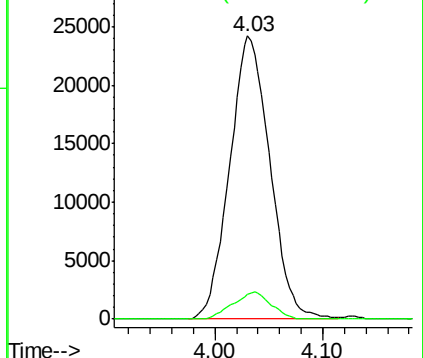
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.827 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058360.D

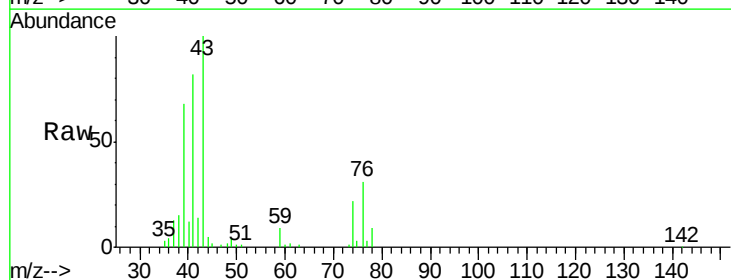
Acq: 25 Sep 2019 12:36

Tgt Ion: 43 Resp: 112342

Ion Ratio Lower Upper

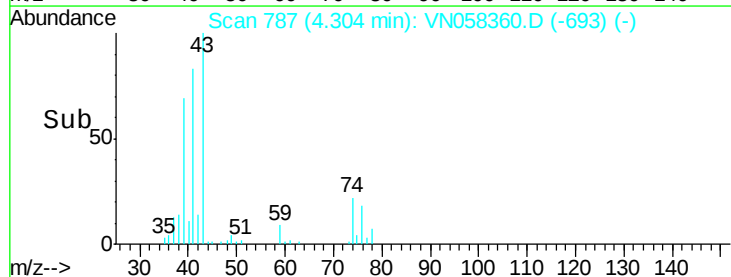
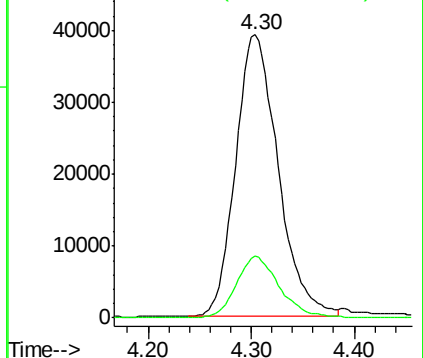
43 100

74 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





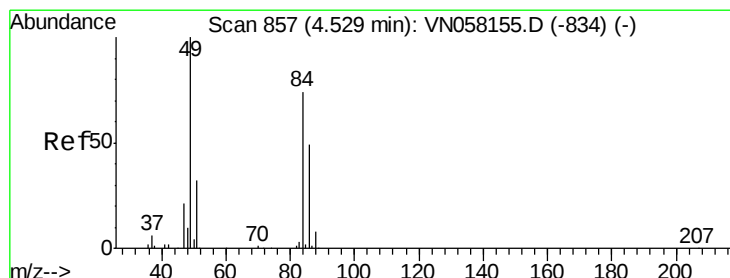
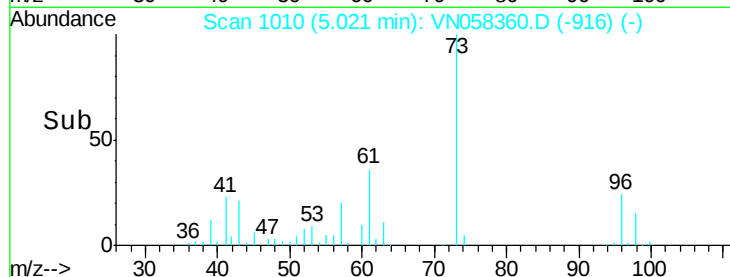
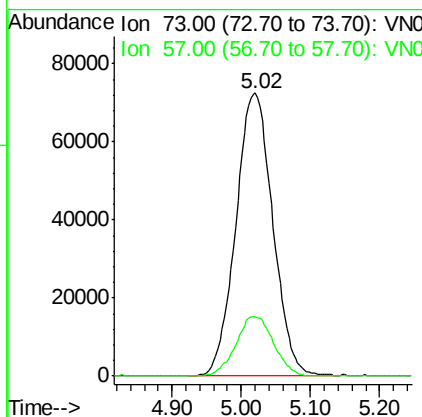
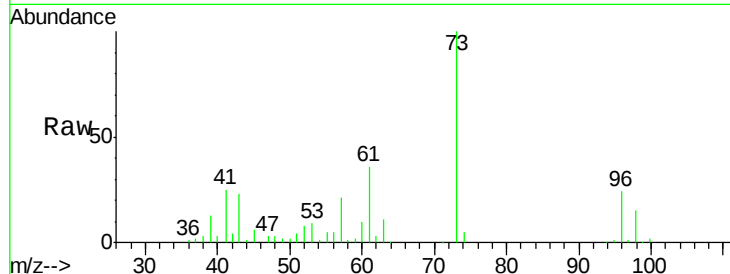
#19
Methvl tert-butvl Ether
Concen: 19.376 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion: 73 Resp: 269082
Ion Ratio Lower Upper
73 100
57 21.0 18.1 27.1

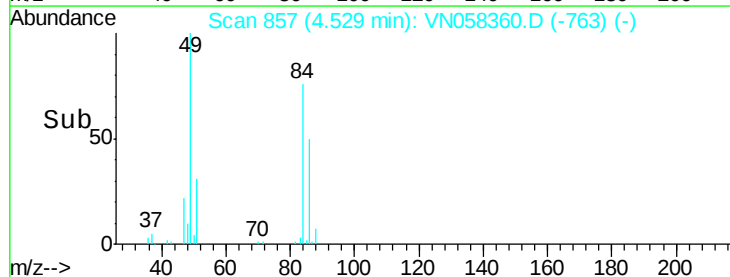
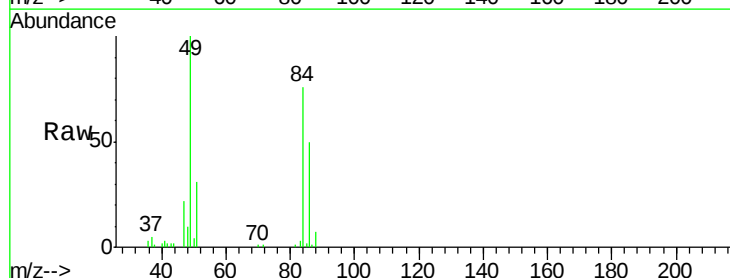
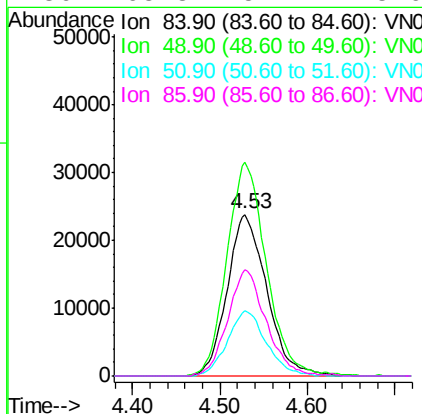
Manual Integrations
APPROVED

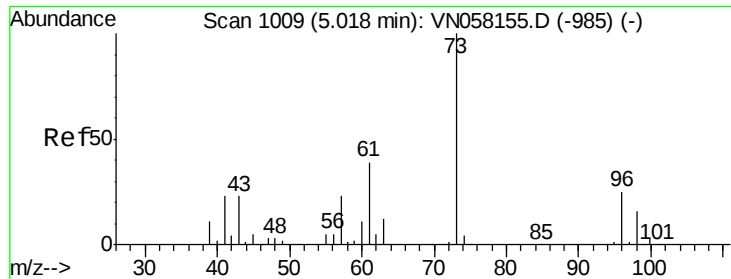
MMDadoda
9/26/2019 1:00:19 PM



#20
Methylene Chloride
Concen: 19.640 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 84 Resp: 74550
Ion Ratio Lower Upper
84 100
49 131.8 107.5 161.3
51 40.4 33.9 50.9
86 65.8 52.4 78.6





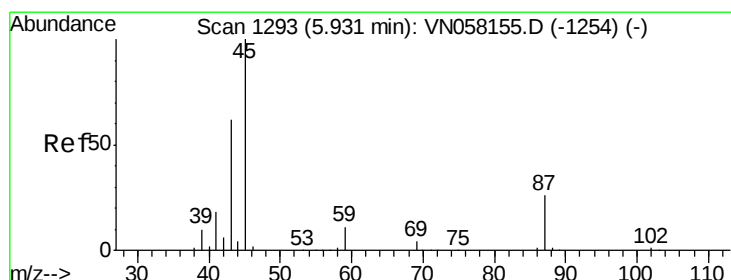
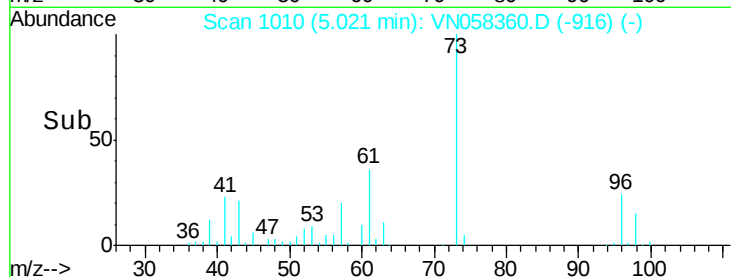
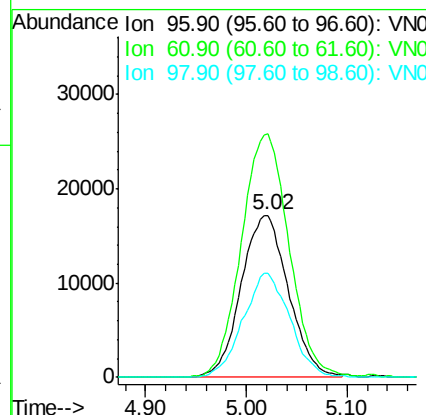
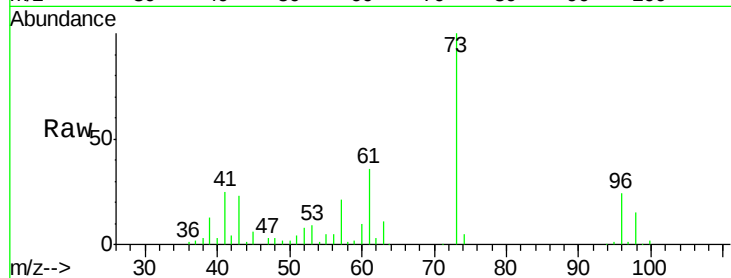
#21
trans-1,2-Dichloroethene
Concen: 18.075 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	122.2	183.4
98	64.6	49.9	74.9

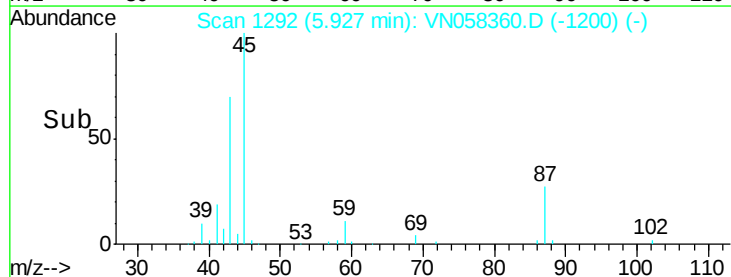
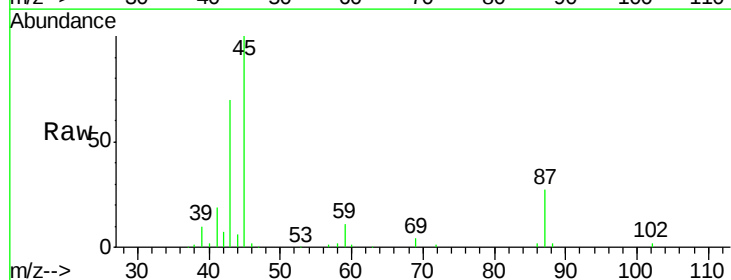
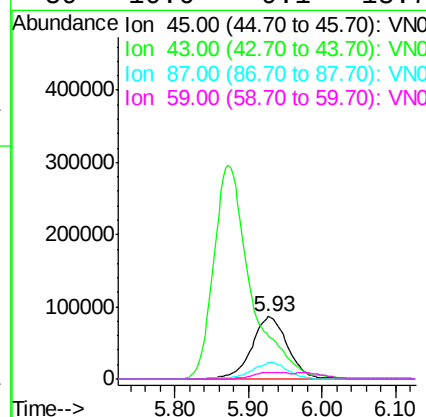
Manual Integrations
APPROVED

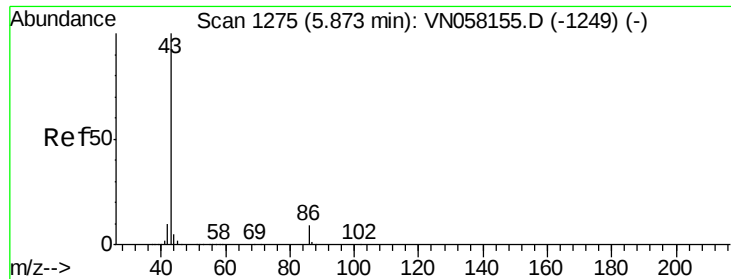
MMDadoda
9/26/2019 1:00:19 PM



#22
Diisopropyl ether
Concen: 19.003 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	49.7	74.5
87	26.5	20.7	31.1
59	10.6	9.1	13.7





#23

Vinyl Acetate

Concen: 98.809 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 43 Resp: 1034772

Ion Ratio Lower Upper

43 100

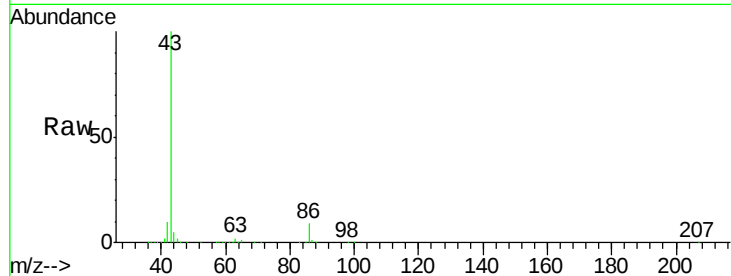
86 9.1 7.4 11.2

Manual Integrations

APPROVED

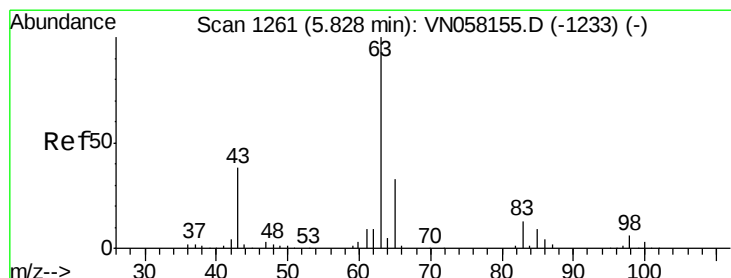
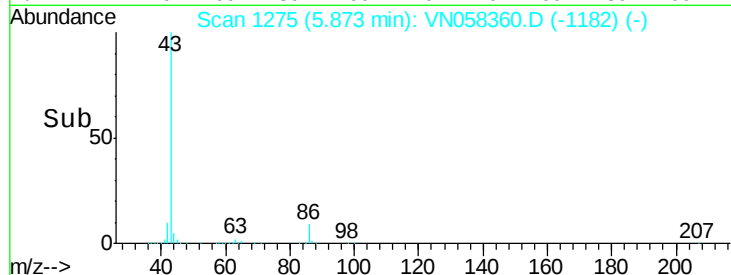
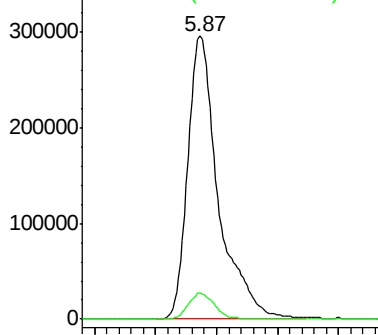
MMDadoda

9/26/2019 1:00:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.421 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

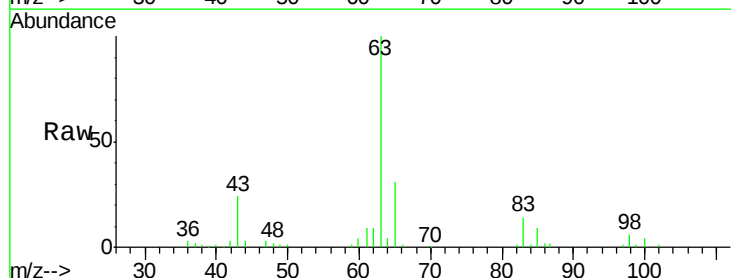
Tgt Ion: 63 Resp: 150469

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

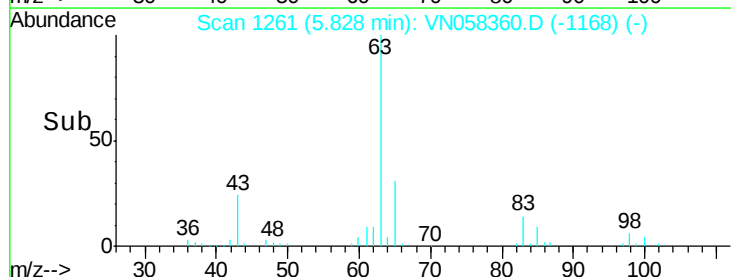
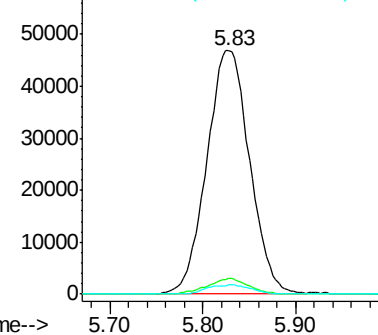
100 3.8 1.8 5.3

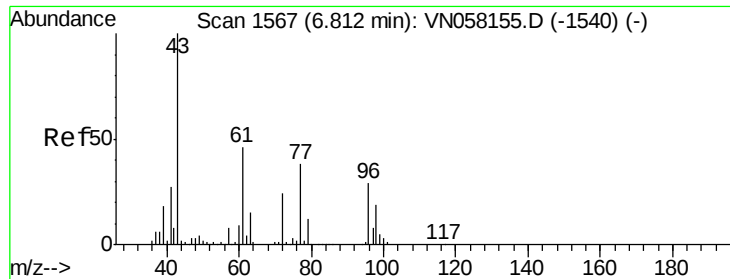


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.559 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 43 Resp: 295000

Ion Ratio Lower Upper

43 100

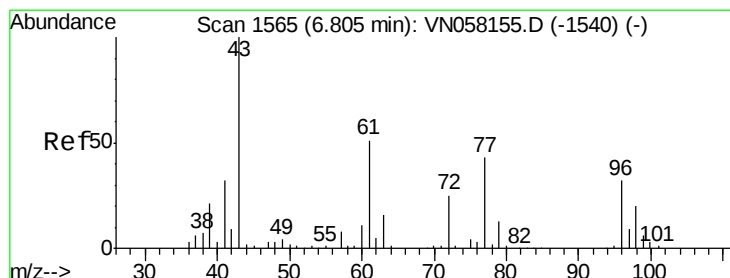
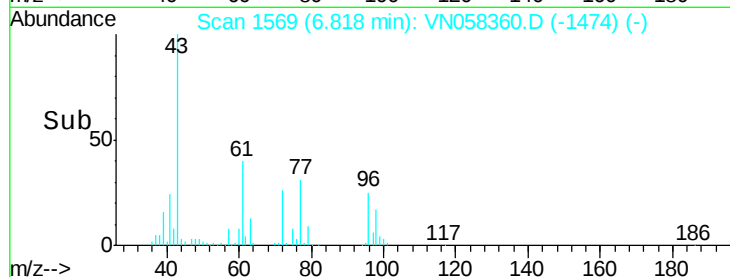
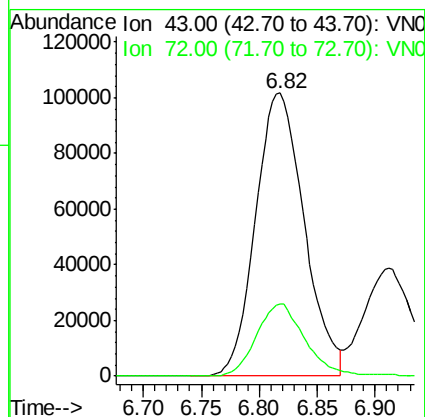
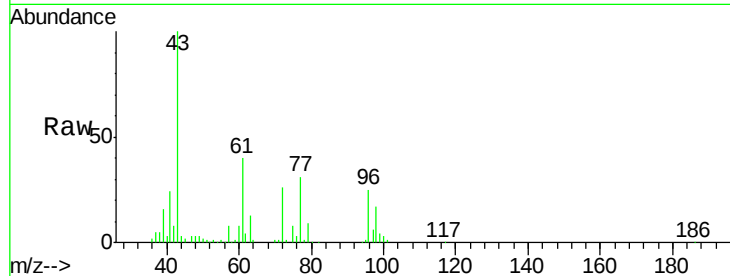
72 25.8 19.5 29.3

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:00:19 PM



#26

2,2-Dichloropropane

Concen: 16.617 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058360.D

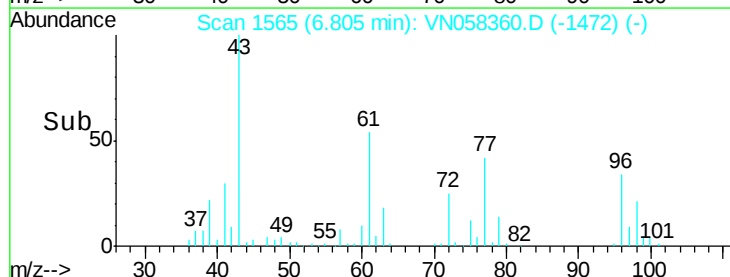
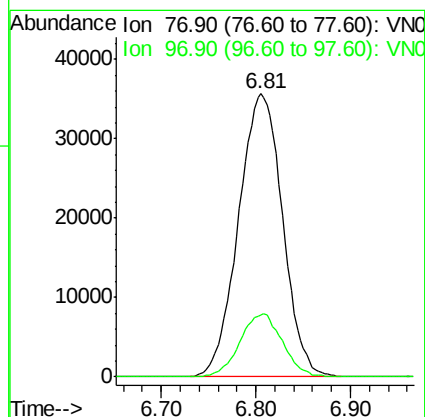
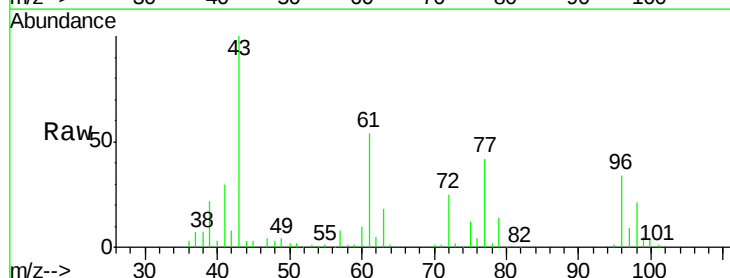
Acq: 25 Sep 2019 12:36

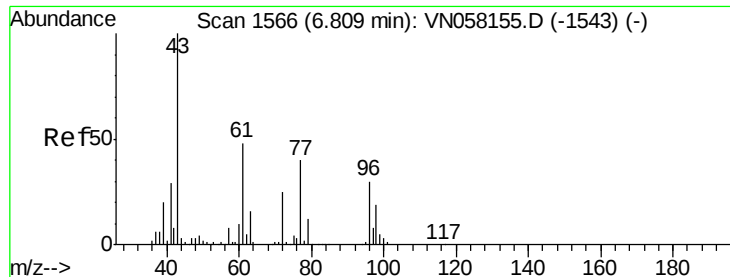
Tgt Ion: 77 Resp: 115155

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.498 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

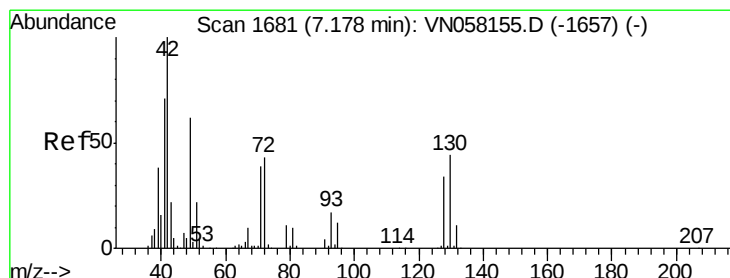
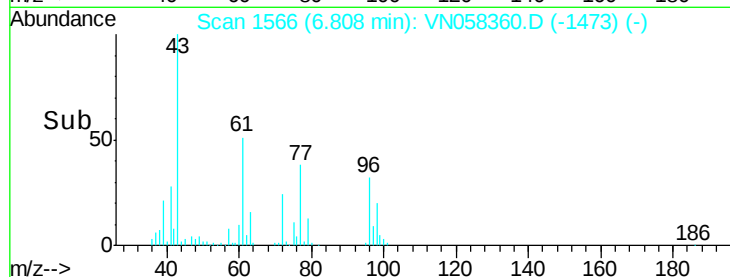
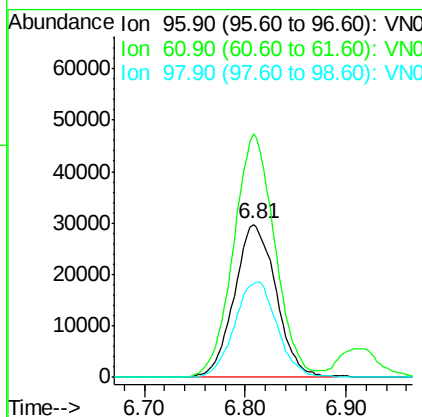
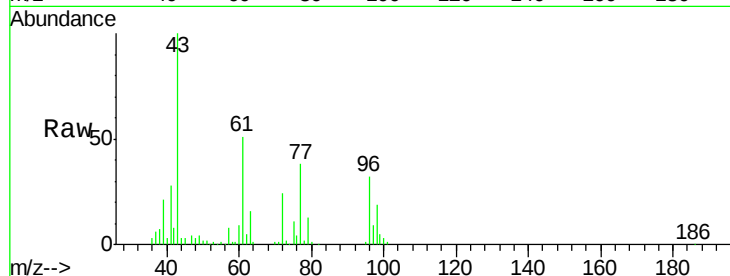
ClientSampleId :

VN0925WBSD01

Tot Ion:	96	Resp:	85437
Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	319.0
98	63.4	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.433 ug/l

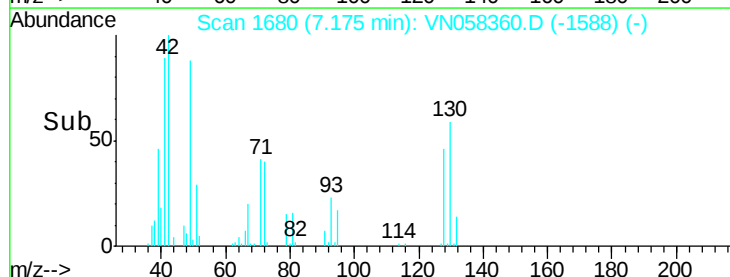
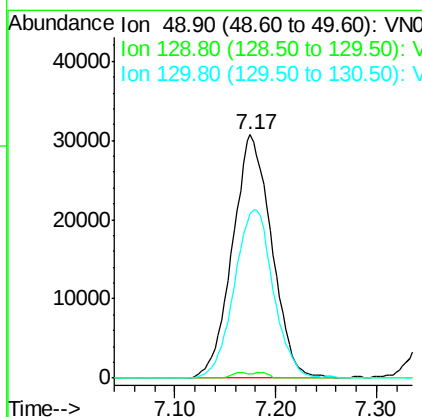
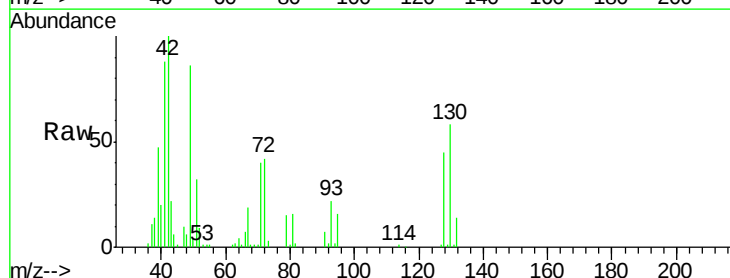
RT: 7.17 min Scan# 1680

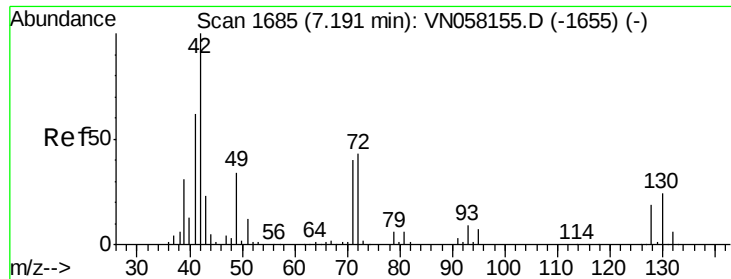
Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion:	49	Resp:	82822
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.8
130	68.7	55.4	83.2





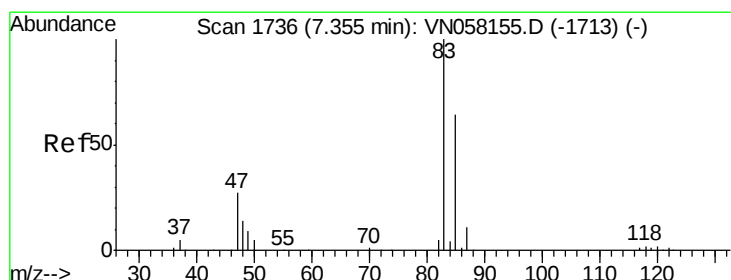
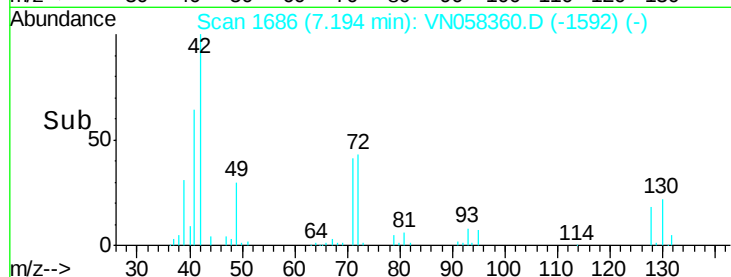
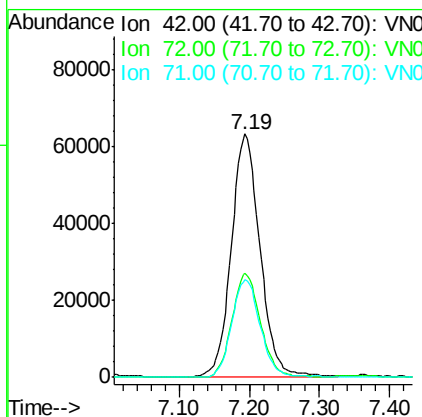
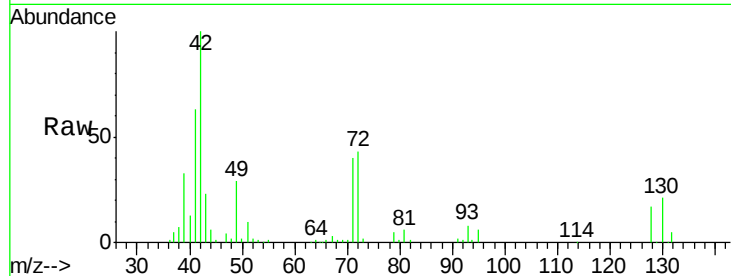
#29
Tetrahydrofuran
Concen: 100.425 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.6	31.4	47.0

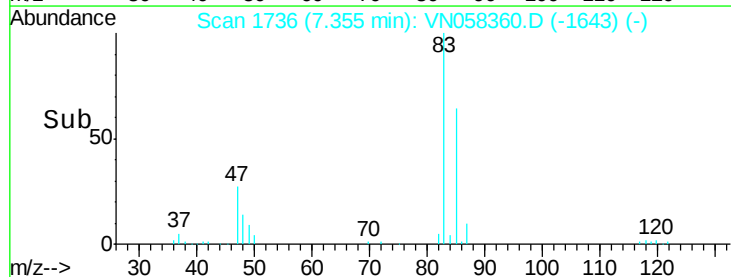
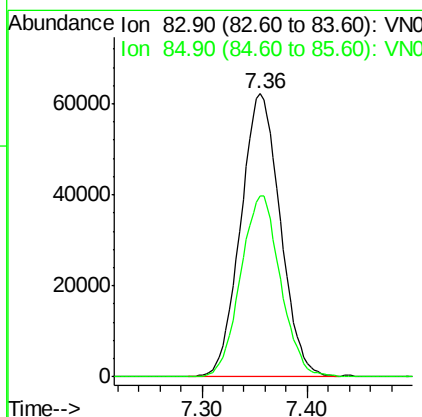
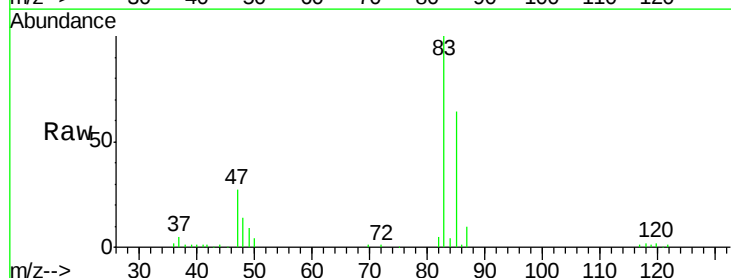
Manual Integrations
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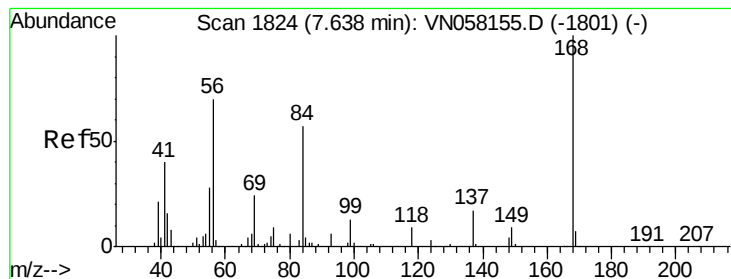
MMDadoda
9/26/2019 1:00:19 PM



#30
Chloroform
Concen: 18.513 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2





#31

Cyclohexane

Concen: 17.396 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

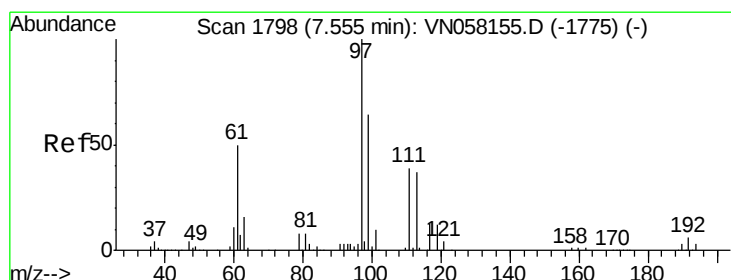
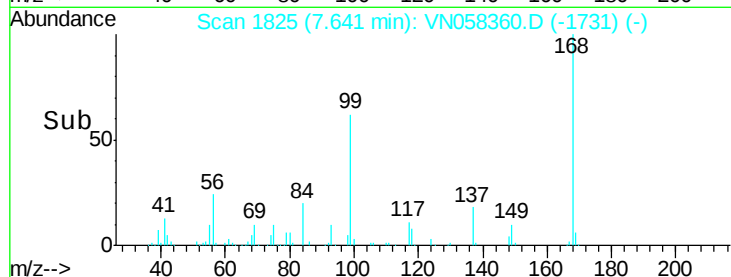
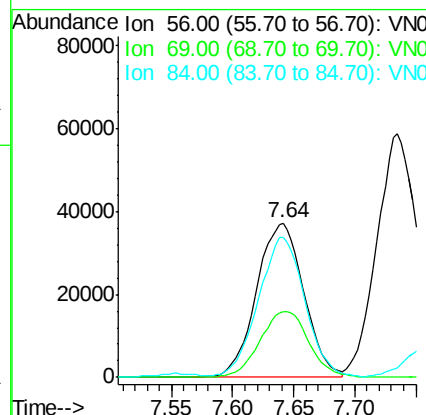
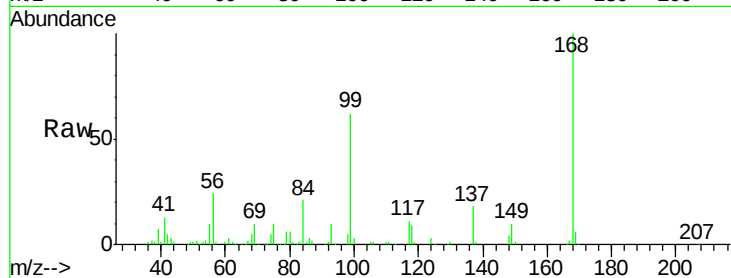
ClientSampleId :

VN0925WBSD01

Tot Ion	56	Resp	100164
Ion Ratio	Lower	Upper	
56	100		
69	42.2	27.3	40.9#
84	88.6	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.704 ug/l

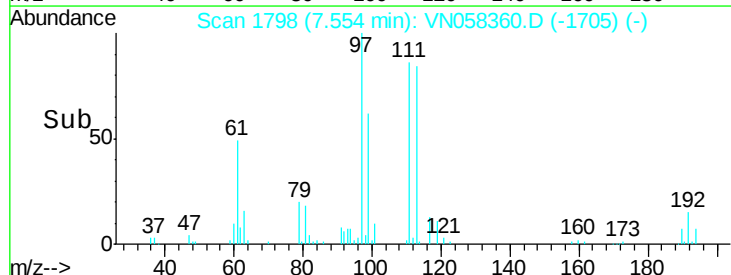
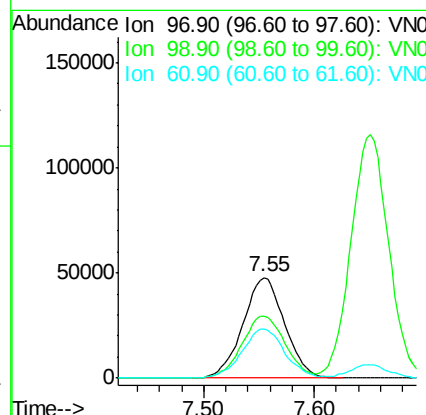
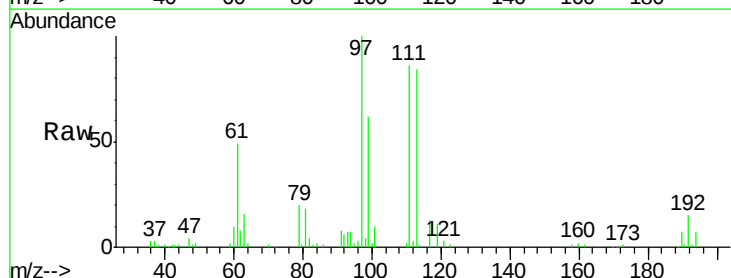
RT: 7.55 min Scan# 1798

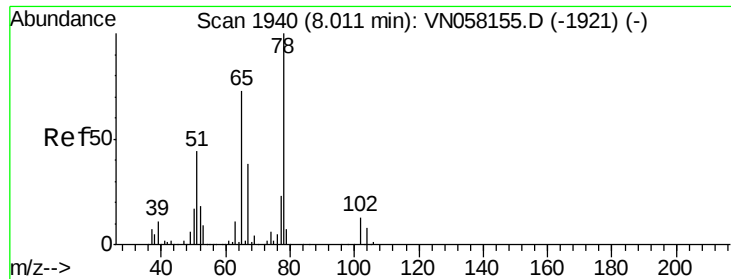
Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion	97	Resp	125198
Ion Ratio	Lower	Upper	
97	100		
99	64.0	50.9	76.3
61	50.2	39.2	58.8





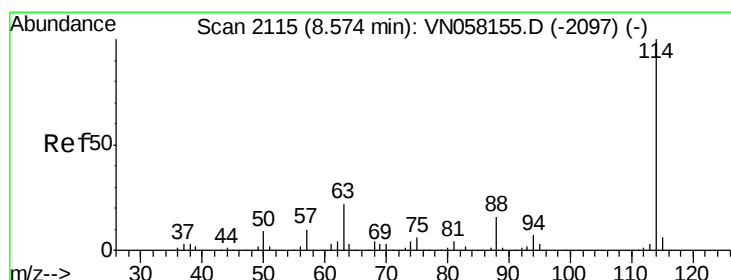
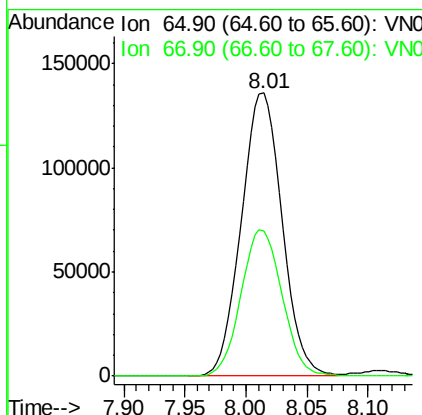
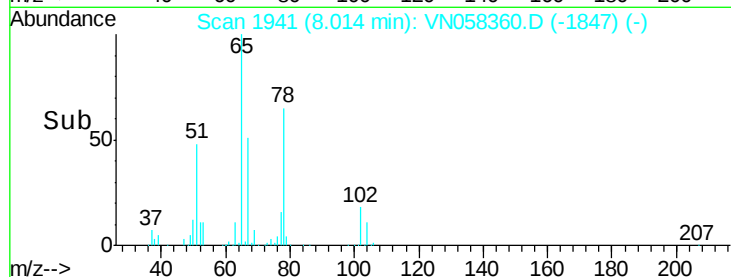
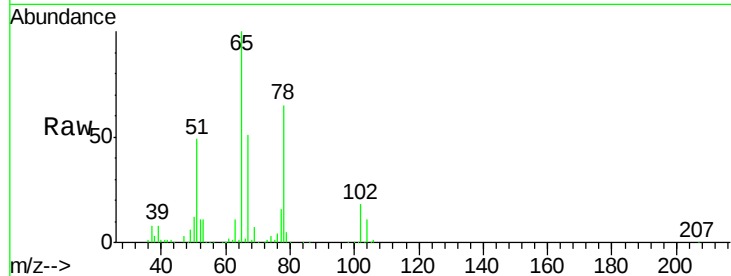
#33
 1,2-Dichloroethane-d4
 Concen: 49.603 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.4	

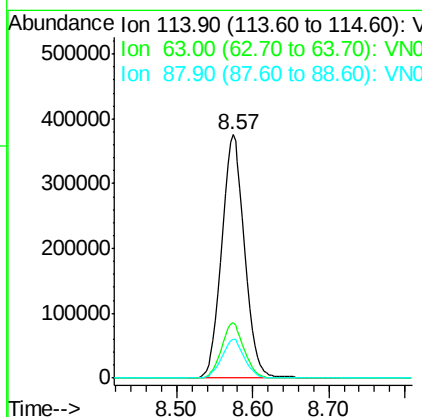
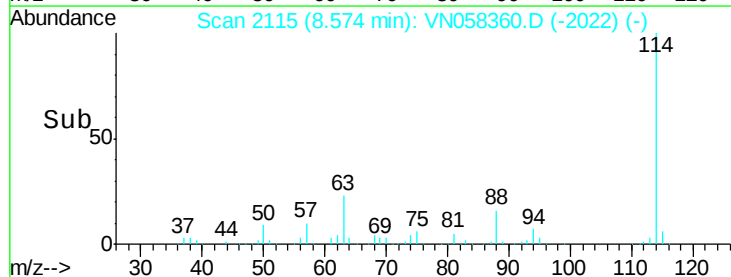
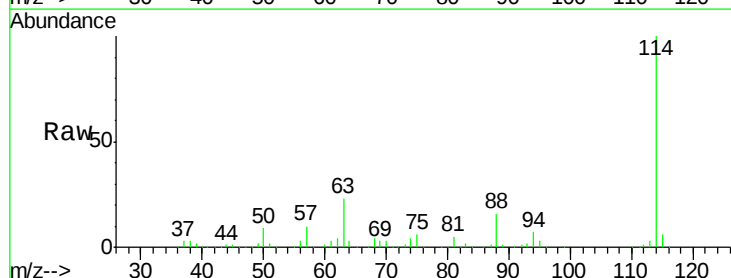
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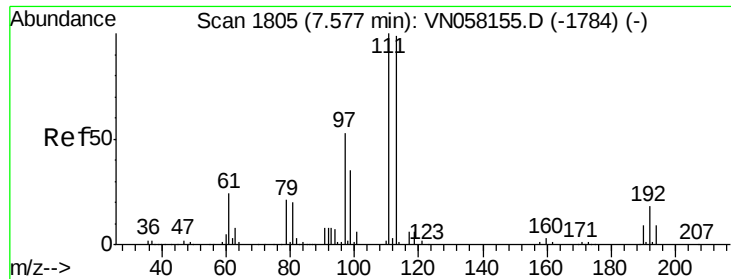
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 9/26/2019 1:00:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	44.2	
88	16.0	0.0	31.6	





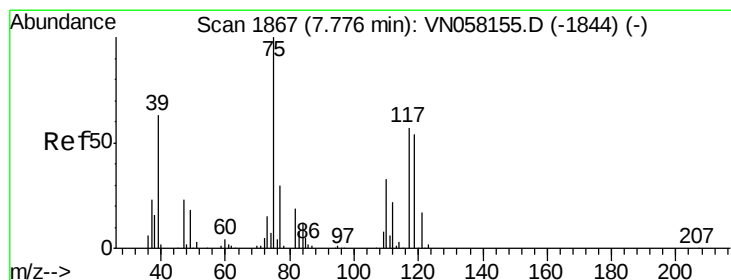
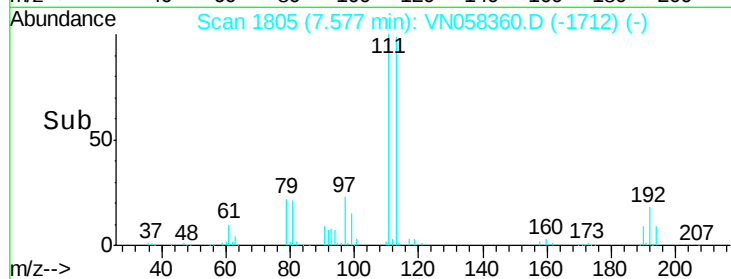
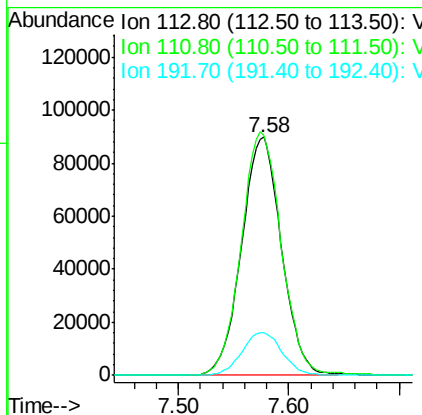
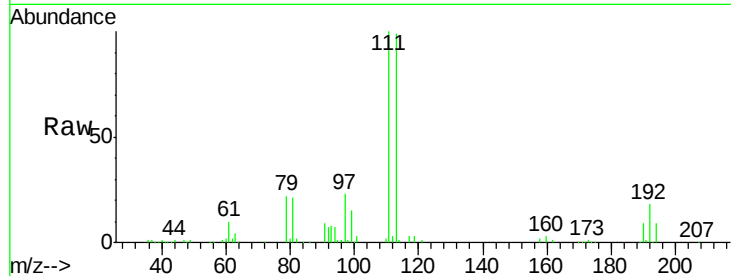
#35
Dibromofluoromethane
Concen: 47.046 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224601		
111	103.0	81.8	122.6	
192	18.4	14.5	21.7	

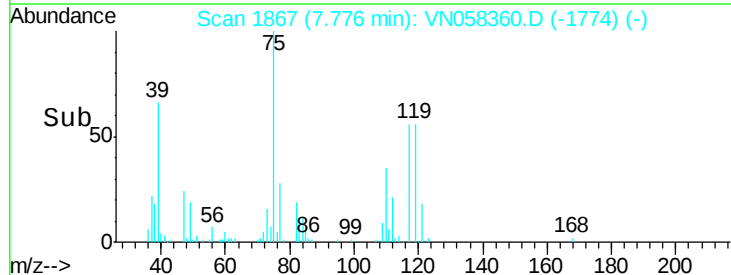
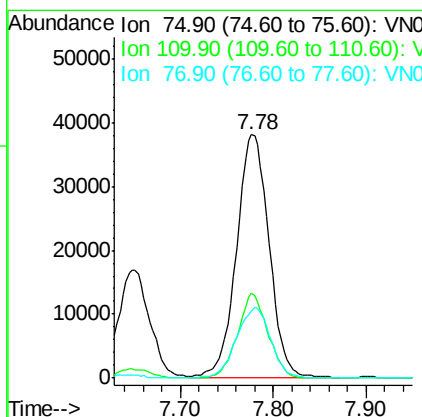
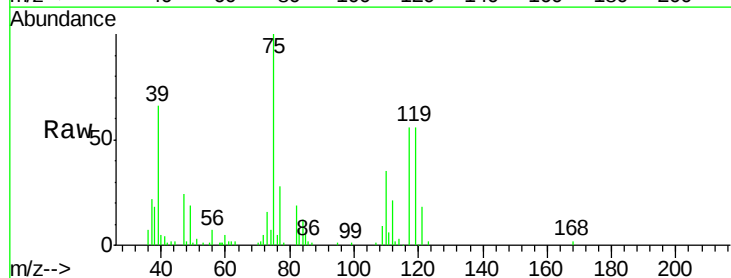
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 16.474 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93299		
110	32.2	16.6	49.7	
77	30.2	24.3	36.5	





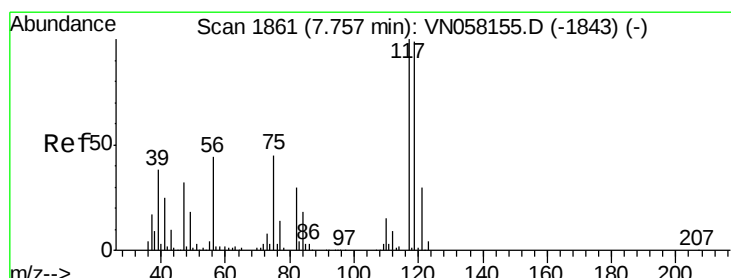
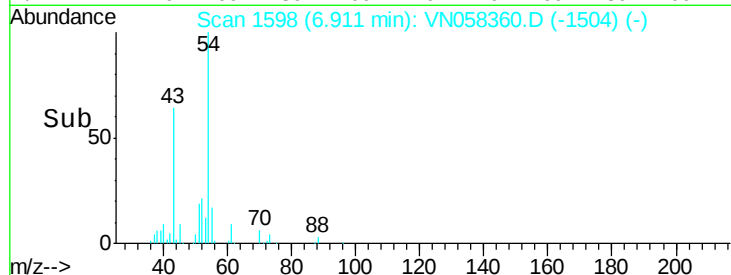
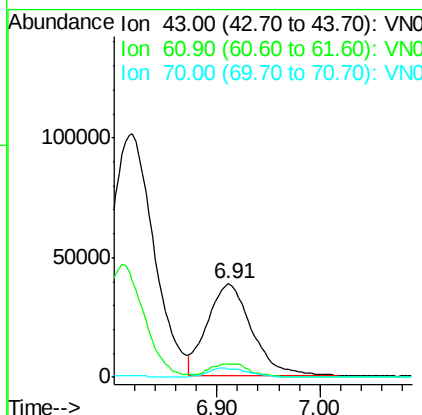
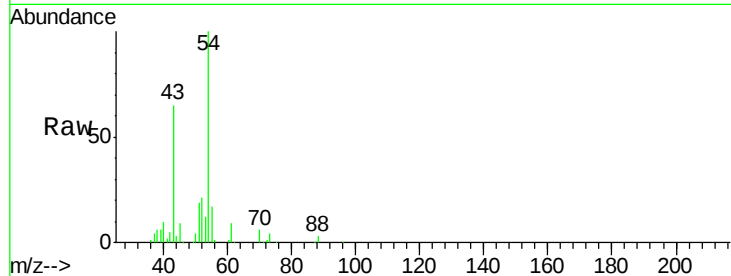
#37
Ethyl Acetate
Concen: 19.487 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.9	114532	10.7	16.1
70	9.2		7.6	11.4

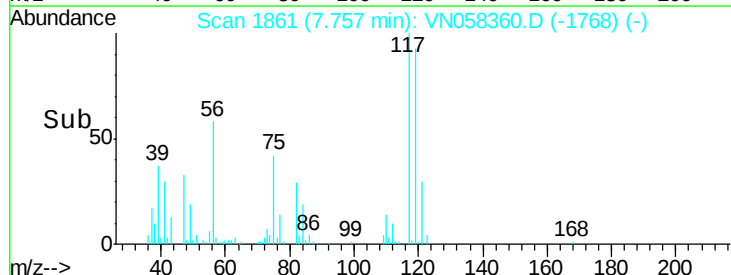
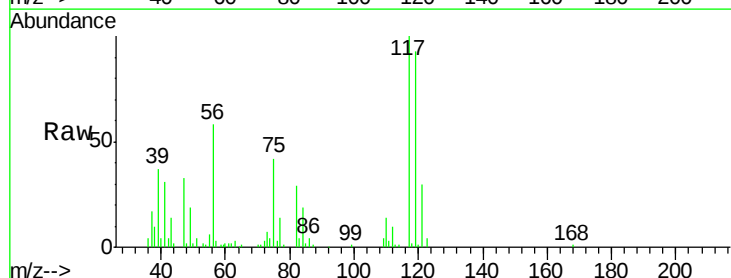
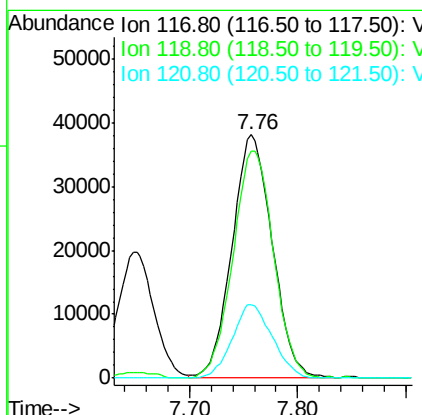
Manual Integrations
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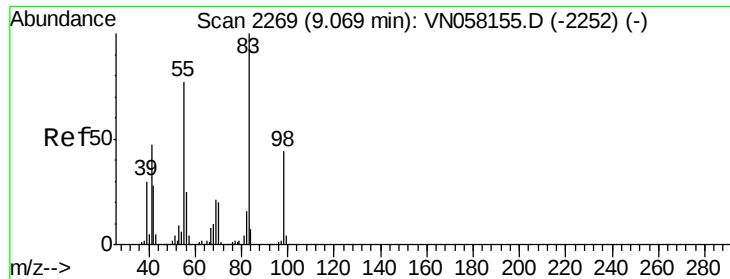
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.420 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	99170		
119	93.0		78.6	117.8
121	30.2		24.1	36.1





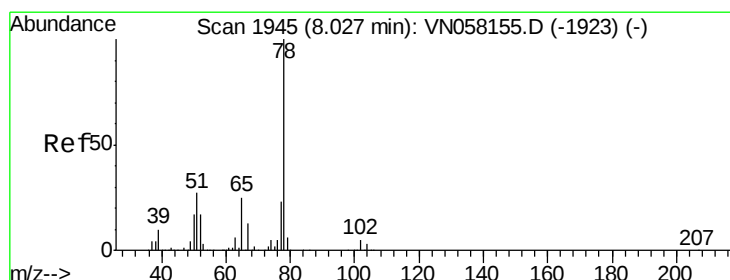
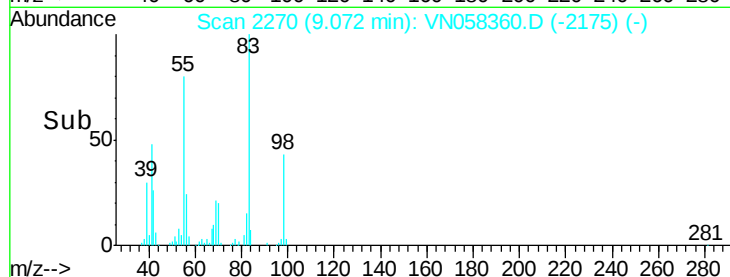
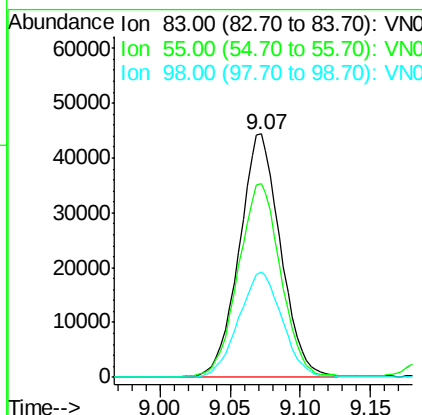
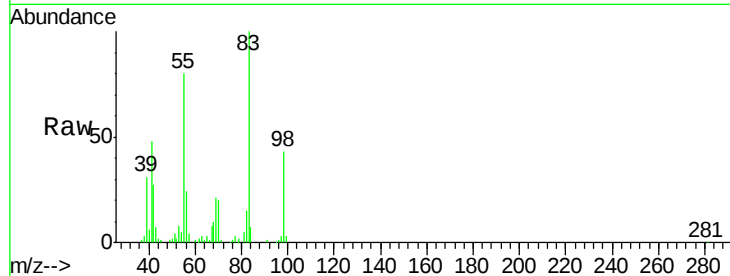
#39
Methvlcvclohexane
Concen: 16.654 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.9	92.9
98	43.4	35.4	53.2

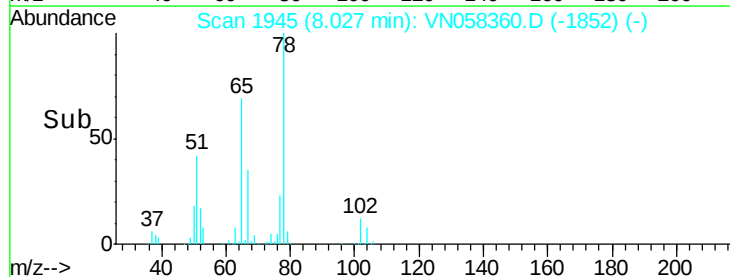
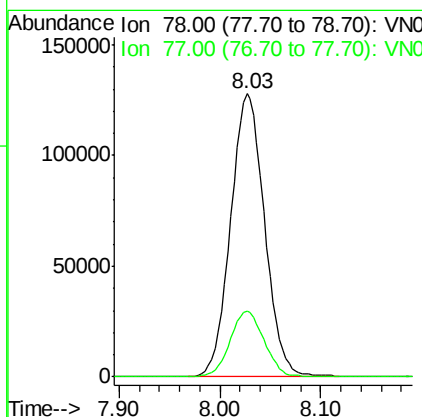
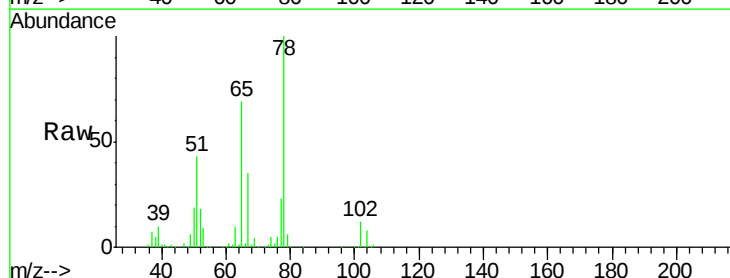
Manual Integrations
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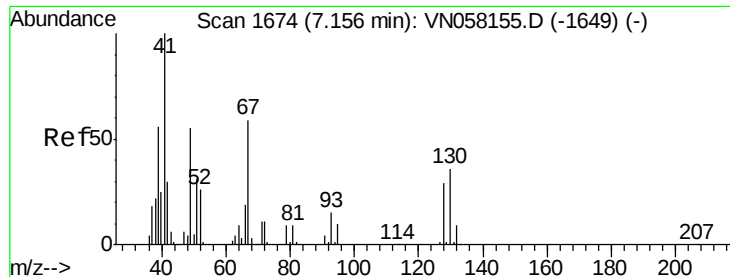
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#40
Benzene
Concen: 17.289 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





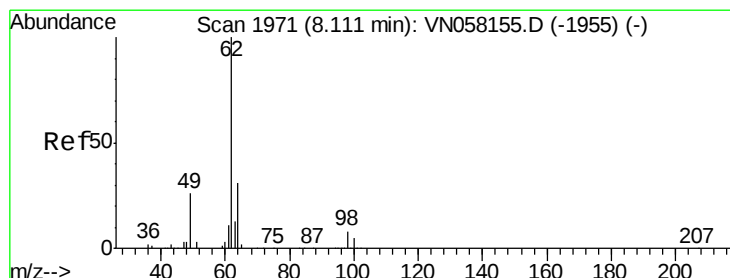
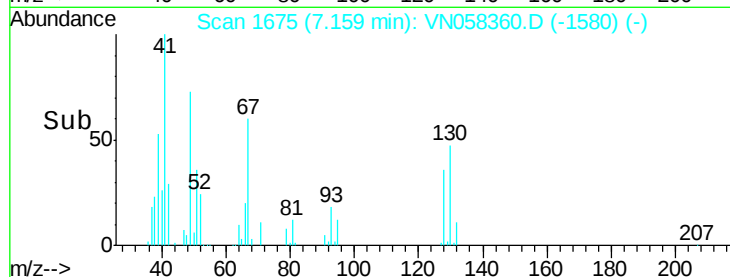
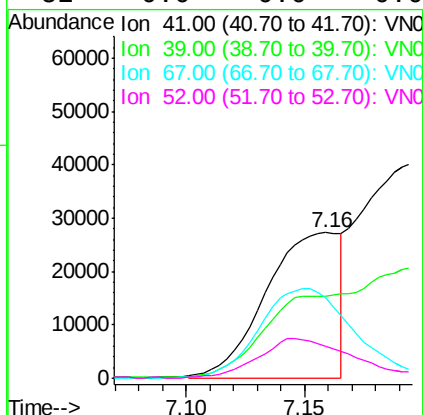
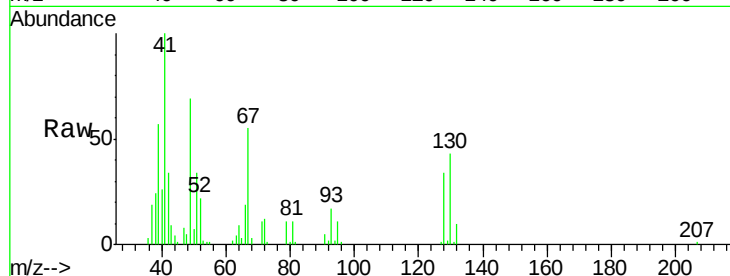
#41
Methacrylonitrile
Concen: 20.754 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	41	Resp	59842
Ion	Ratio	Lower	Upper
41	100		
39	157.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

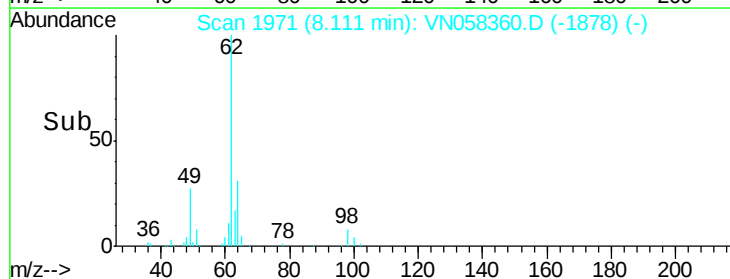
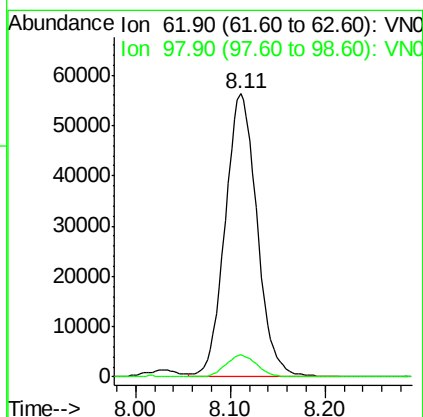
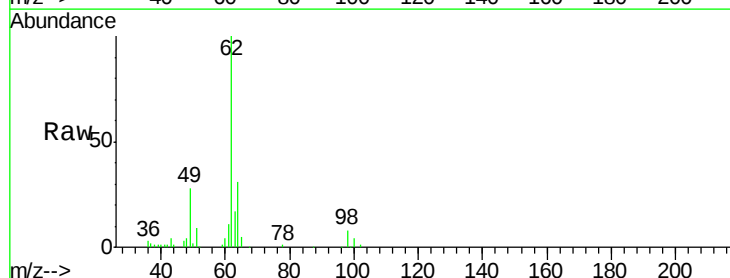
Manual Integrations
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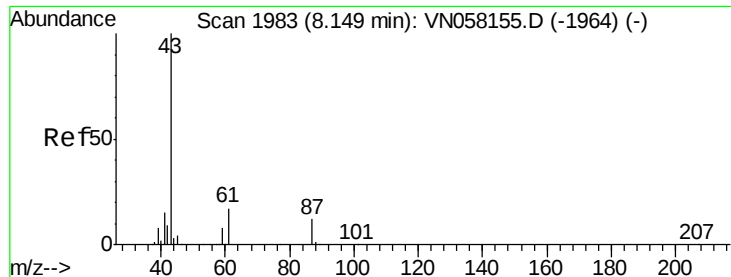
MMDadoda
9/26/2019 1:00:19 PM



#42
1,2-Dichloroethane
Concen: 18.199 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	62	Resp	132093
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.186 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

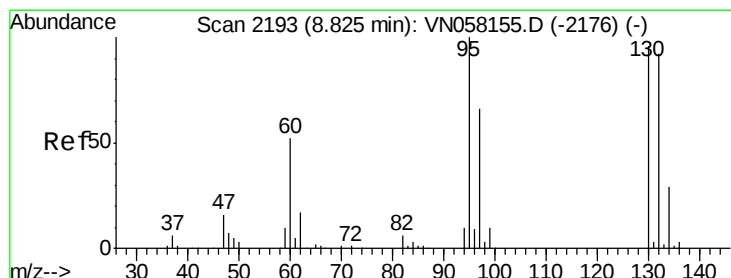
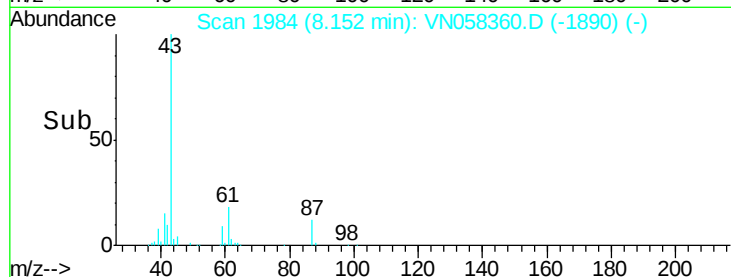
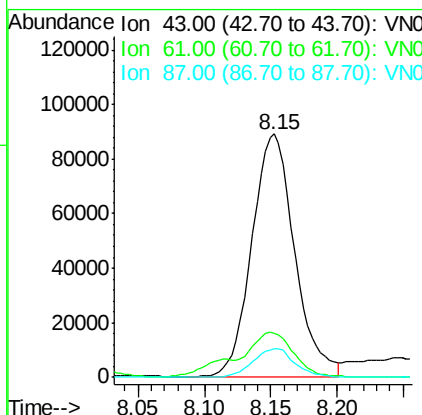
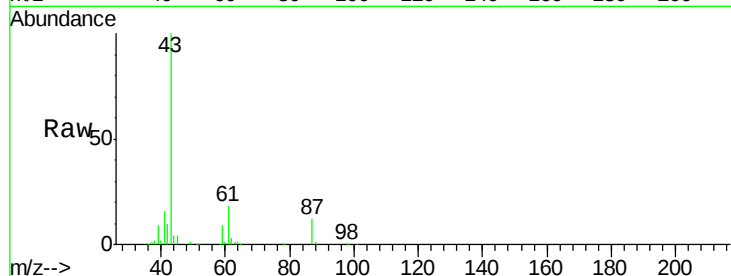
ClientSampleId :

VN0925WBSD01

Tot Ion:	43	Resp:	199619
Ion	Ratio	Lower	Upper
43	100		
61	18.2	19.7	29.5#
87	11.7	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 17.617 ug/l

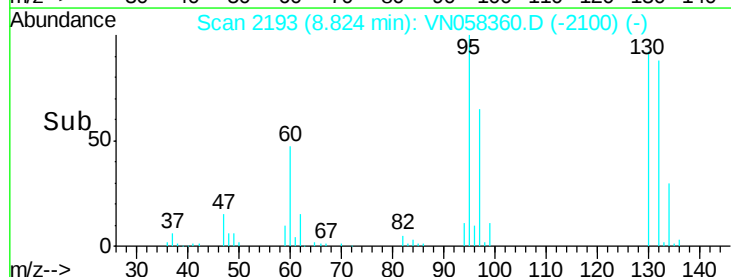
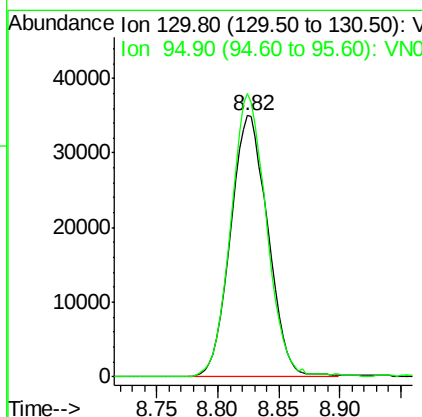
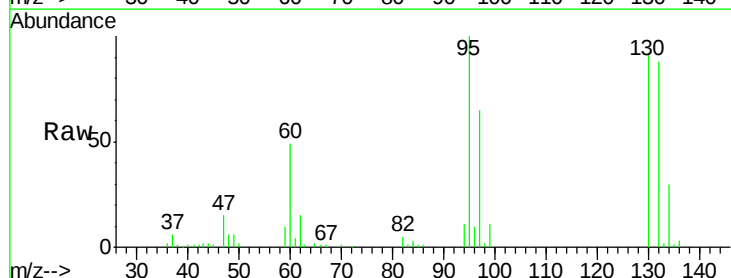
RT: 8.82 min Scan# 2193

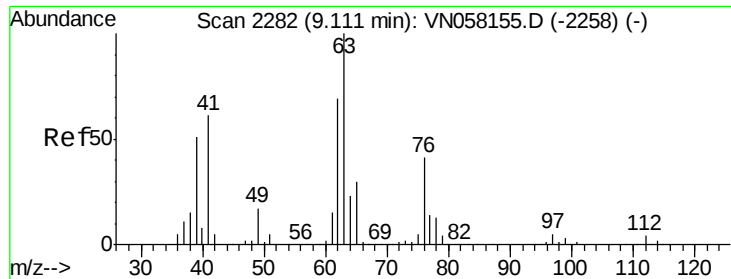
Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion:	130	Resp:	74571
Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	207.8





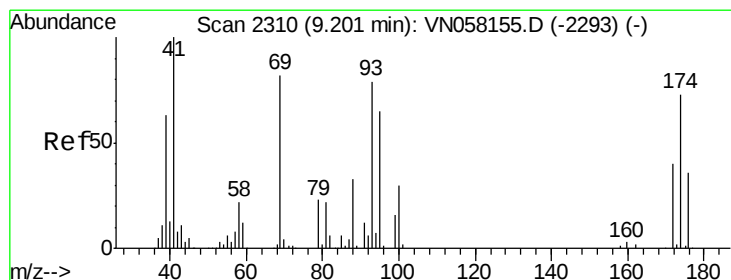
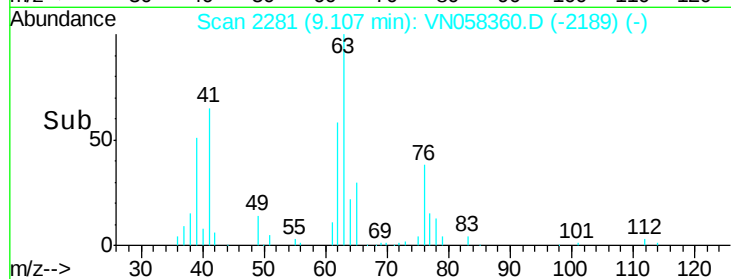
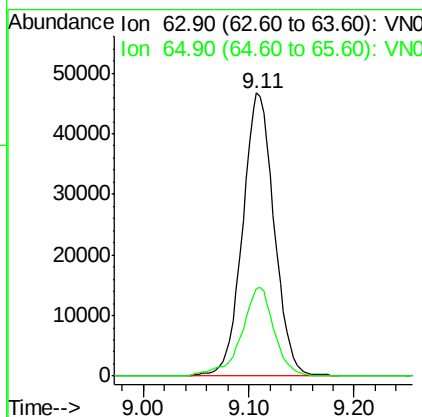
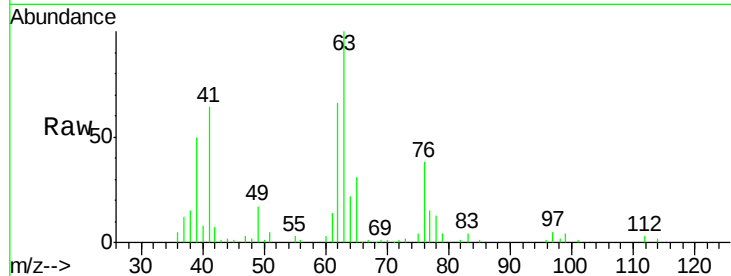
#45
 1,2-Dichloropropane
 Concen: 18.772 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion: 63 Resp: 96970
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6

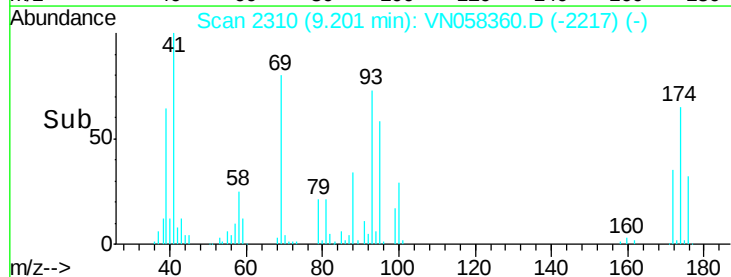
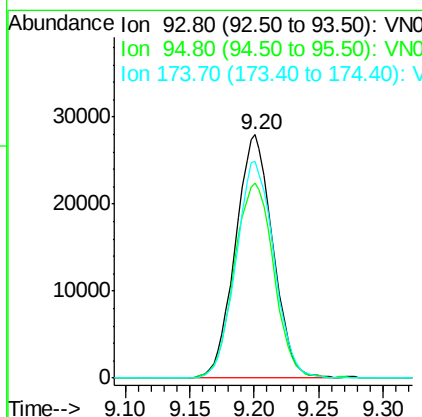
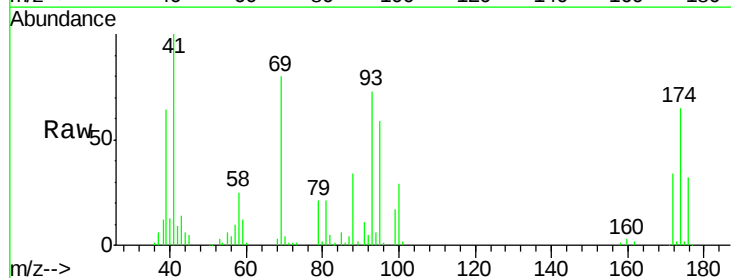
Manual Integrations
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 9/26/2019 1:00:19 PM



#46
 Dibromomethane
 Concen: 17.983 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 93 Resp: 56480
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 90.4 73.8 110.8





#47

Bromodichloromethane

Concen: 18.575 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

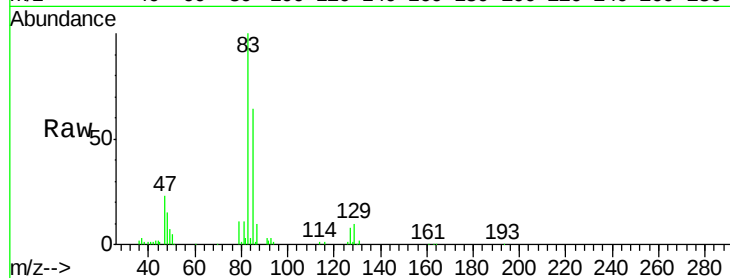
ClientSampleId :

VN0925WBSD01

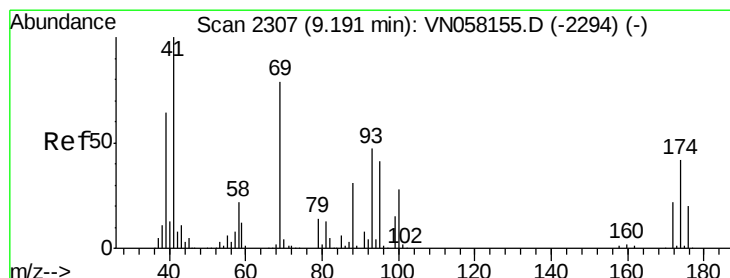
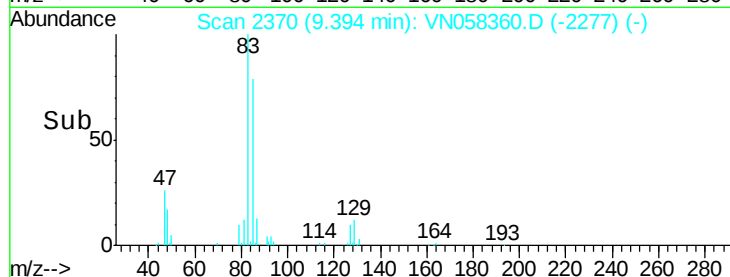
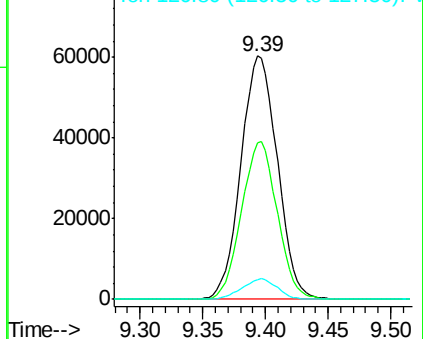
Tot Ion:	83	Resp:	122217
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.1	75.1
127	8.3	6.4	9.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN058360.D (-2277) (-)



#48

Methyl methacrylate

Concen: 18.868 ug/l

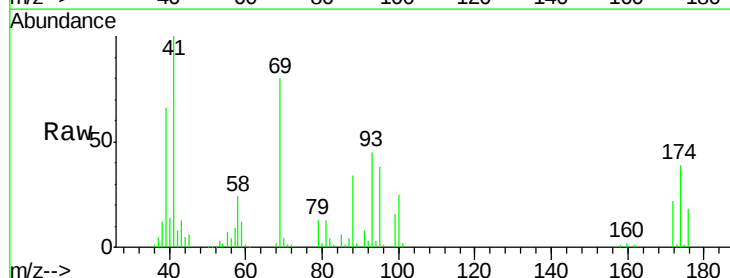
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

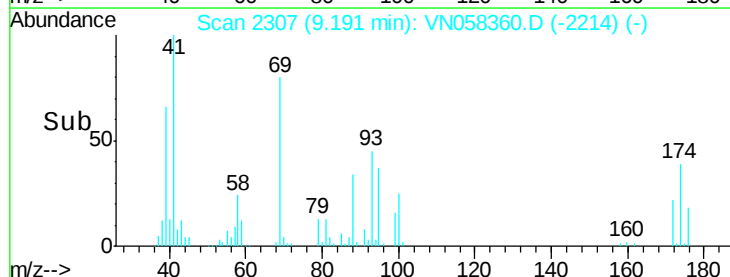
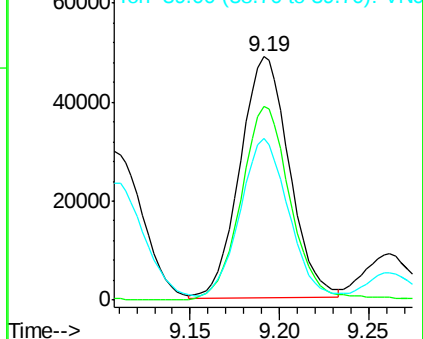
Lab File: VN058360.D

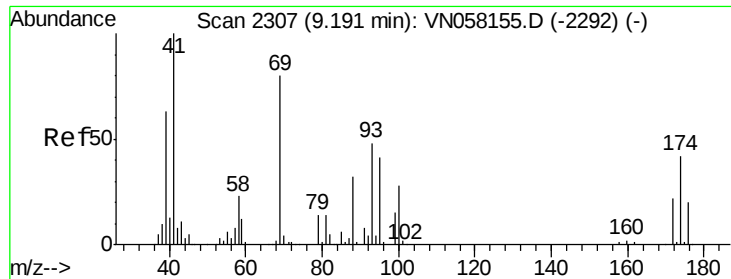
Acq: 25 Sep 2019 12:36

Tgt Ion:	41	Resp:	94035
Ion Ratio	Lower	Upper	
41	100		
69	80.1	62.5	93.7
39	66.3	52.3	78.5



Abundance Ion 41.00 (40.70 to 41.70): VN058360.D (-2214) (-)





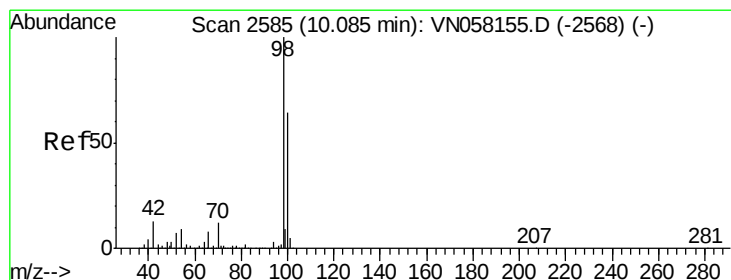
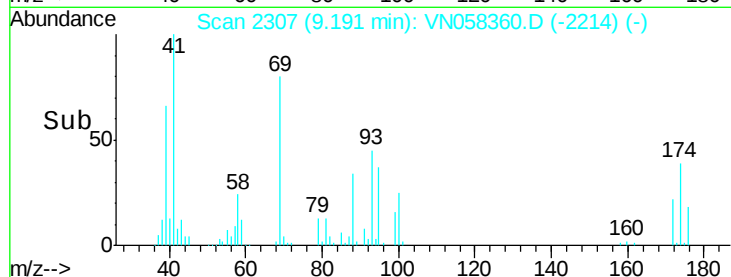
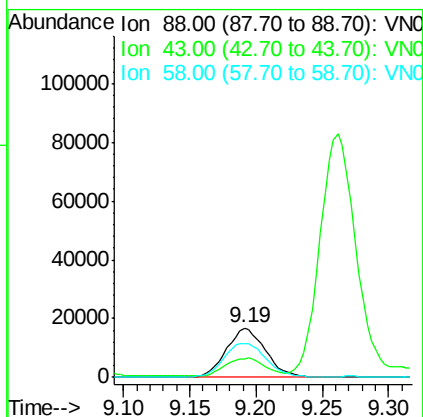
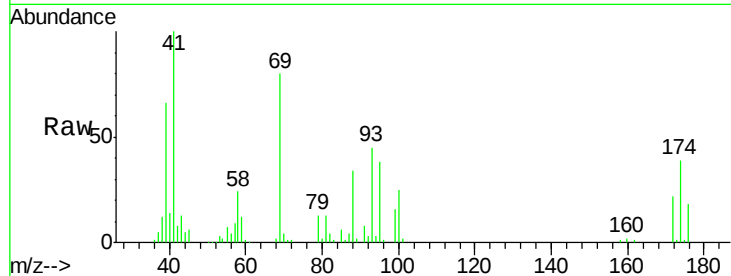
#49
1,4-Dioxane
Concen: 420.221 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	27.8	41.8
58	75.0	55.0	82.4

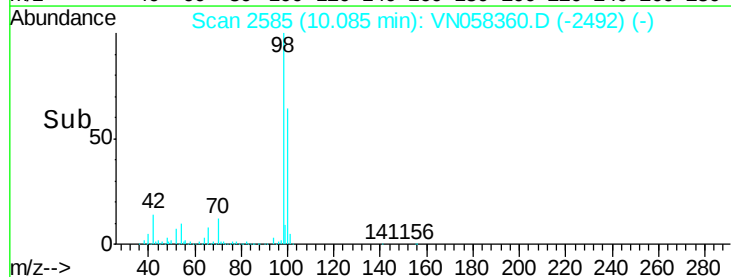
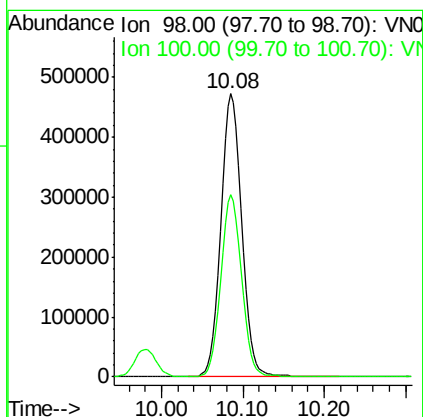
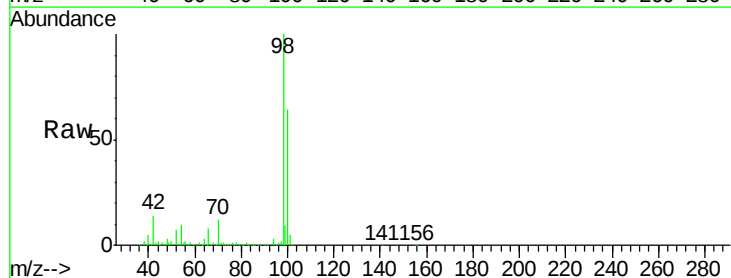
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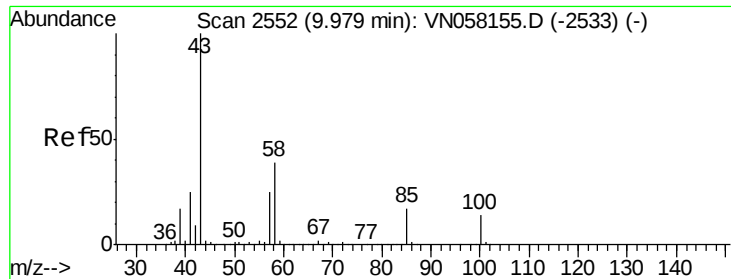
MMDadoda
9/26/2019 1:00:19 PM



#50
Toluene-d8
Concen: 46.340 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 110.034 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 43 Resp: 641514

Ion Ratio Lower Upper

43 100

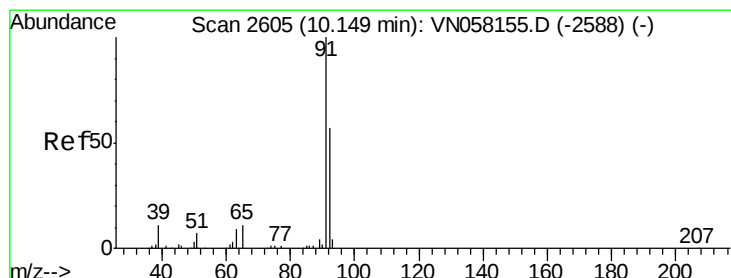
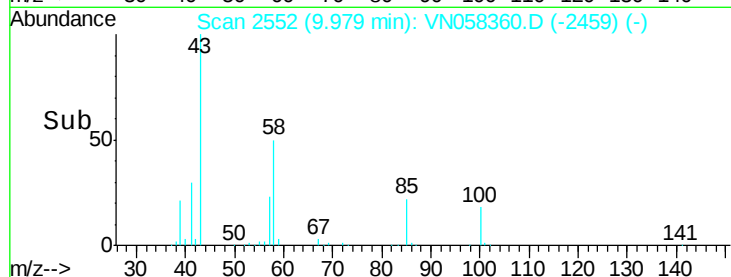
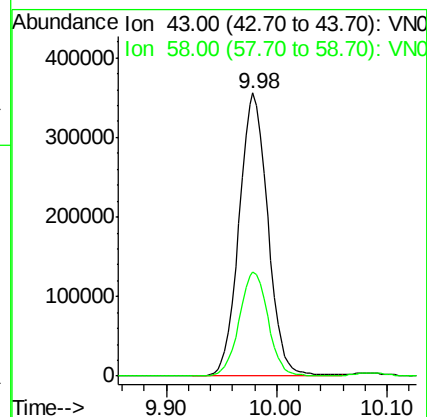
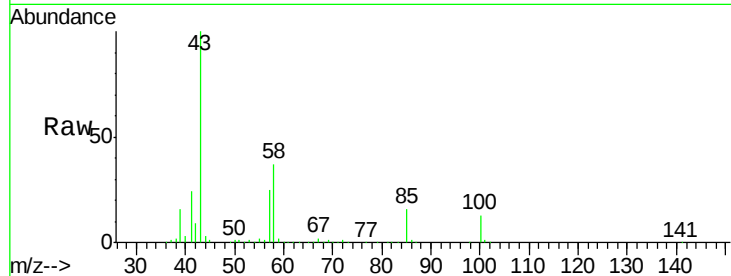
58 37.0 30.2 45.4

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#52

Toluene

Concen: 17.272 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058360.D

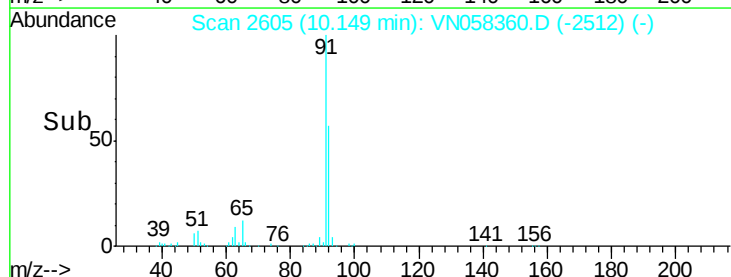
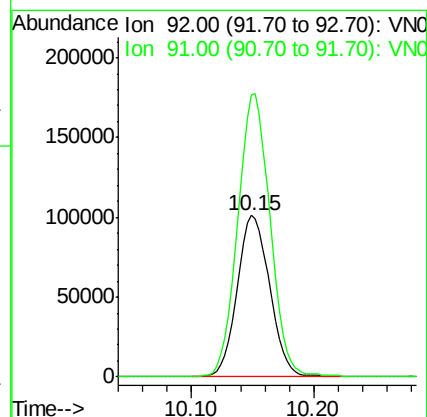
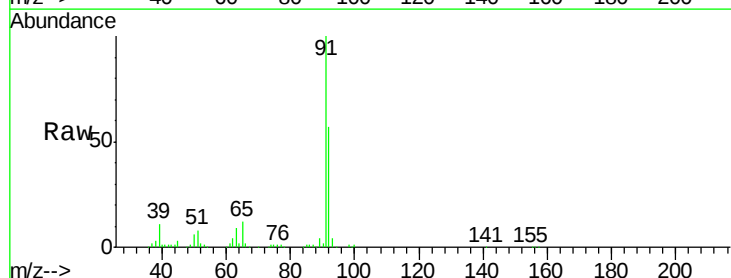
Acq: 25 Sep 2019 12:36

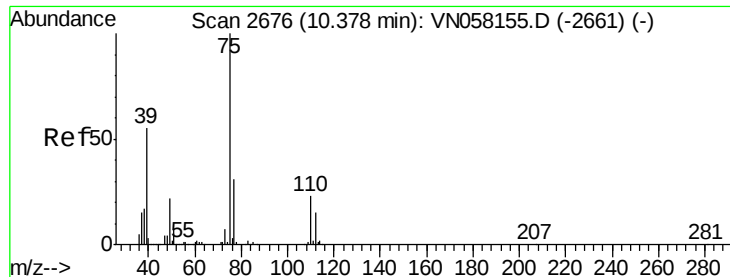
Tgt Ion: 92 Resp: 187240

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 17.683 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 75 Resp: 119182

Ion Ratio Lower Upper

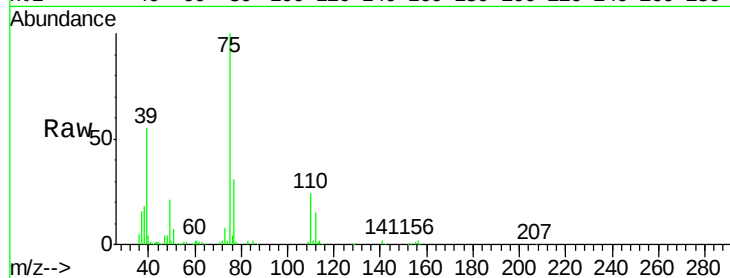
75 100

77 31.0 24.9 37.3

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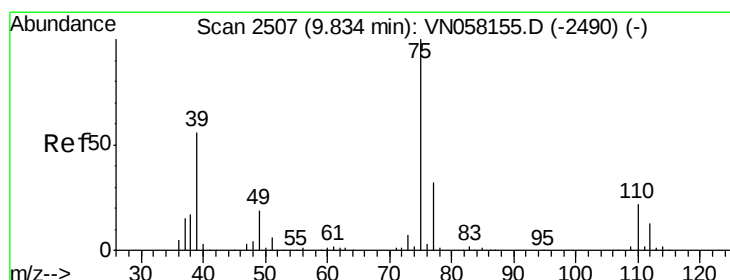
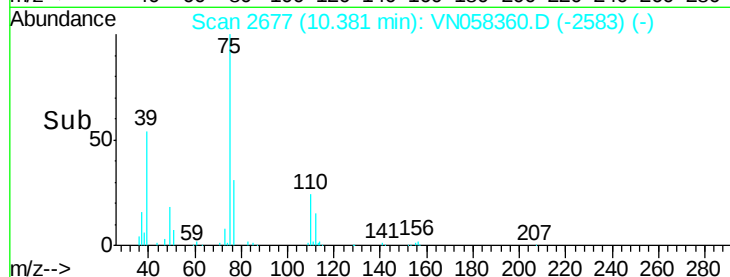
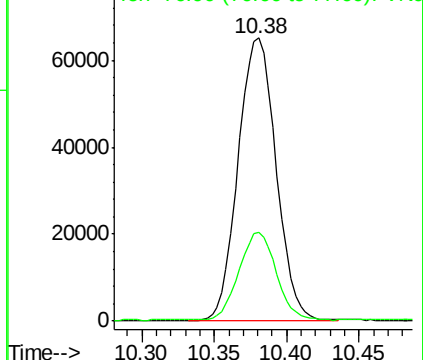
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.676 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

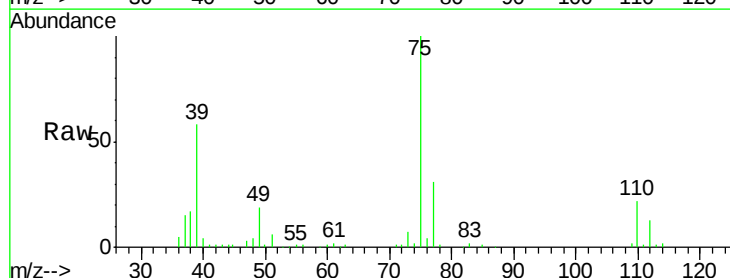
Tgt Ion: 75 Resp: 131534

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

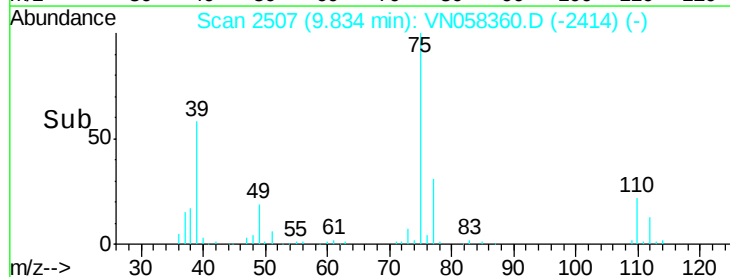
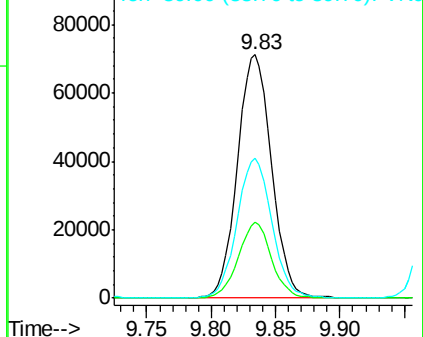
39 57.3 45.0 67.6

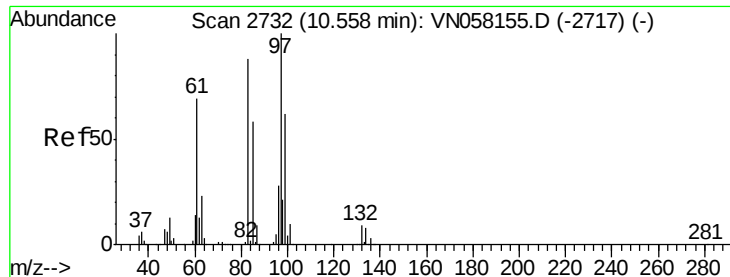


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





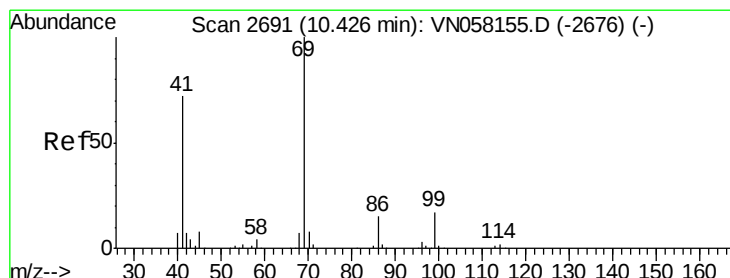
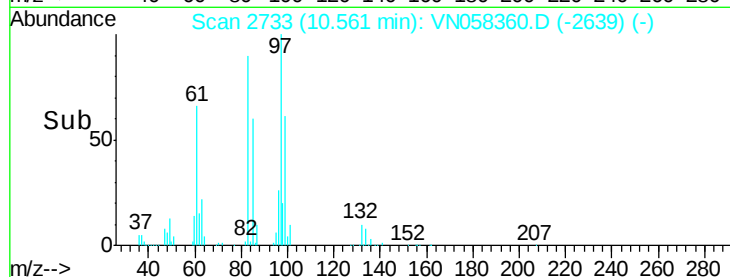
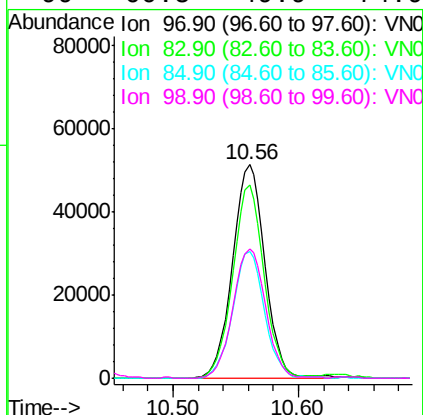
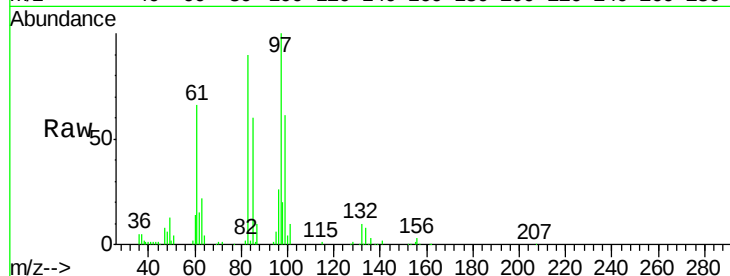
#55
 1,1,2-Trichloroethane
 Concen: 19.187 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion:	97	Resp:	92304
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.4	105.6
85	59.5	46.8	70.2
99	60.5	49.9	74.9

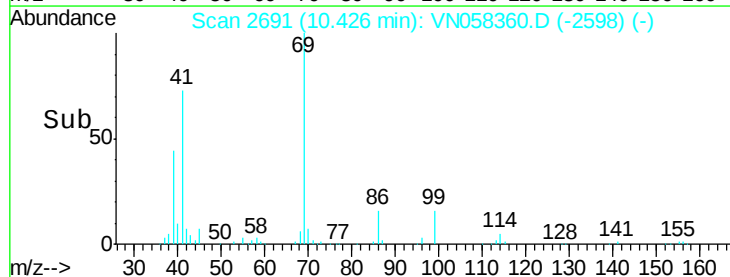
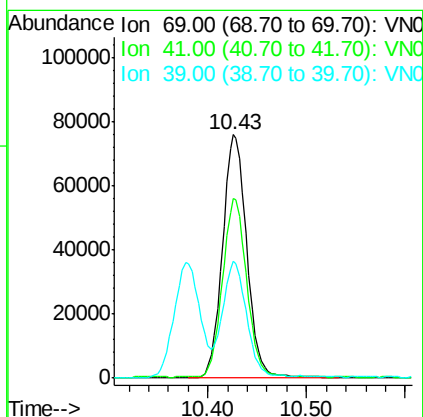
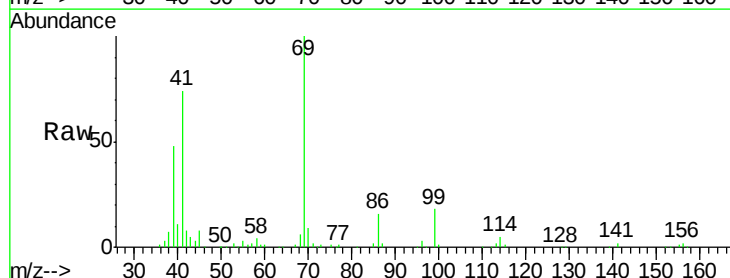
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.005 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion:	69	Resp:	131913
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.5	86.3
39	46.3	36.1	54.1





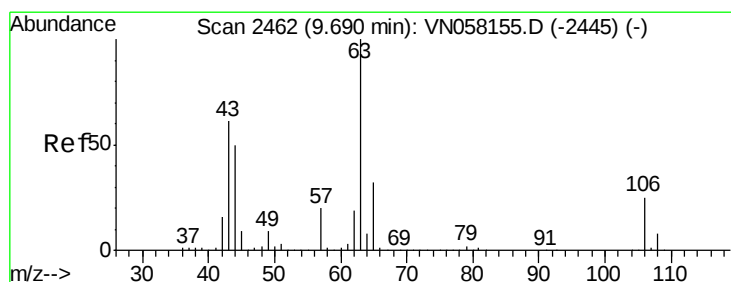
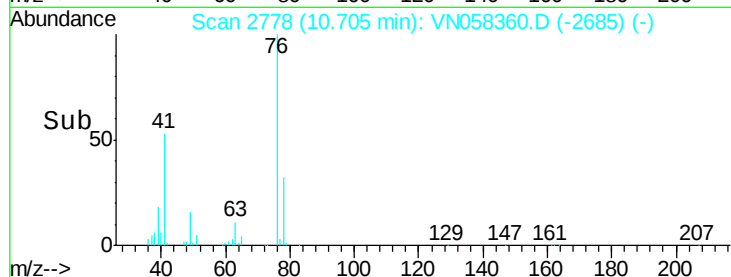
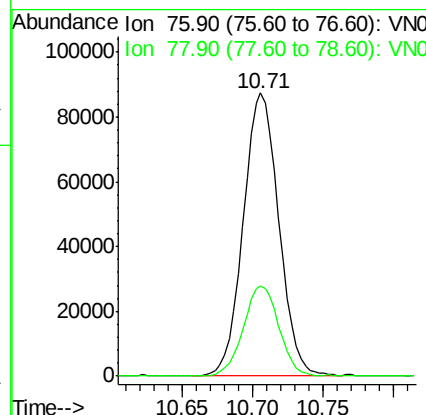
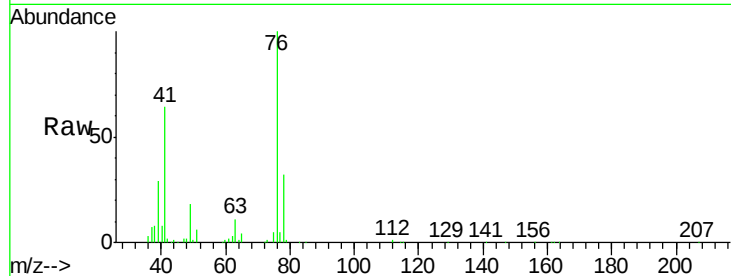
#57
 1,3-Dichloropropane
 Concen: 18.709 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion: 76 Resp: 154733
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0

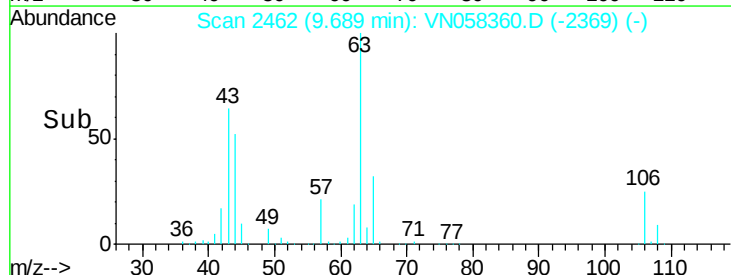
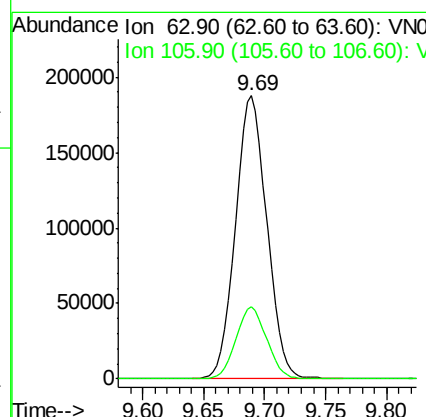
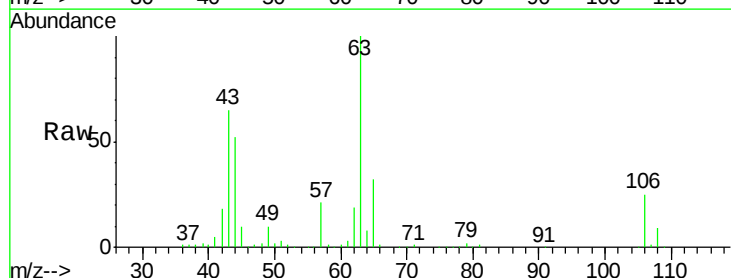
Manual Integrations
 APPROVED

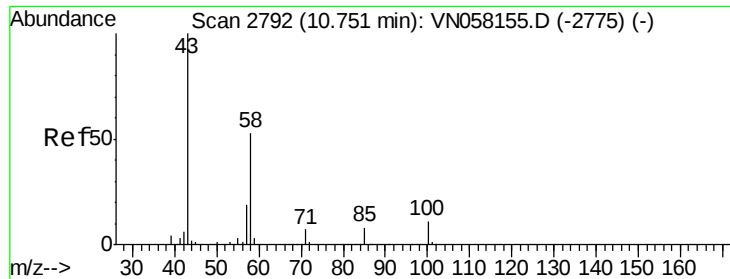
MMDadoda
 9/26/2019 1:00:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.447 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 63 Resp: 335408
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.9 29.9





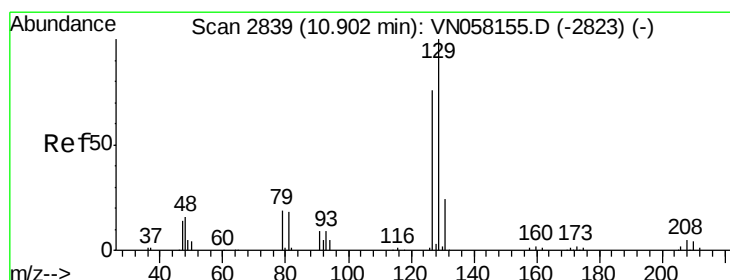
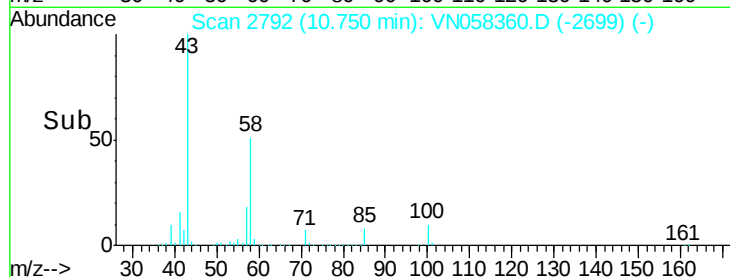
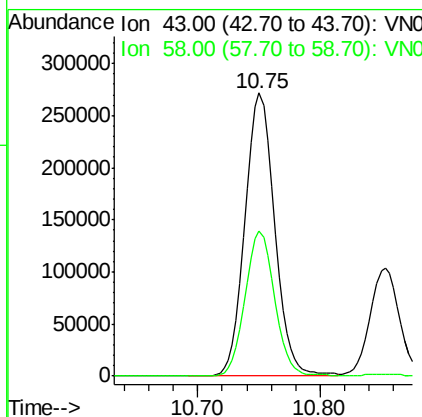
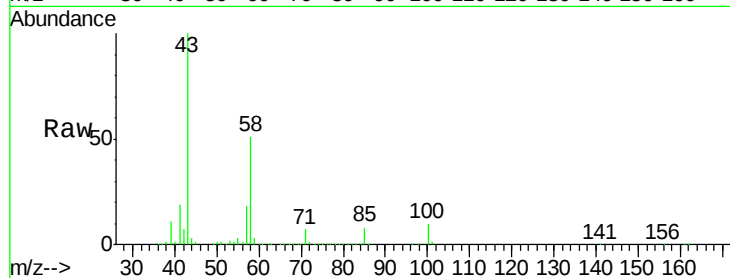
#59
2-Hexanone
Concen: 104.910 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion: 43 Resp: 454261
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0

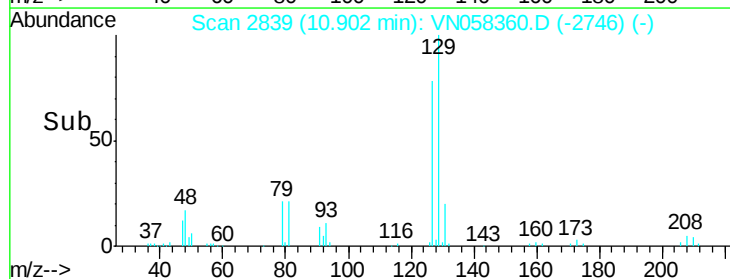
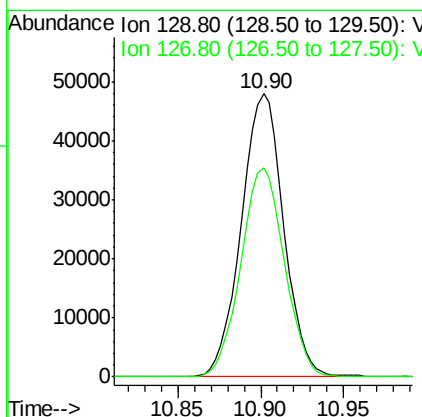
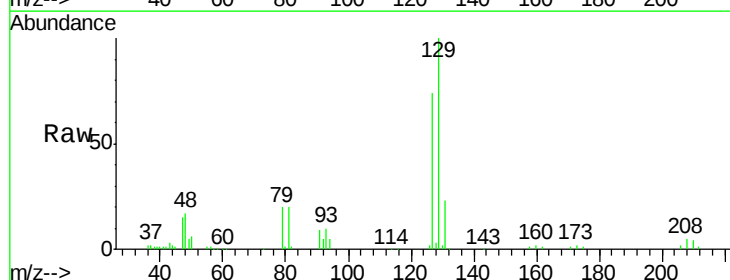
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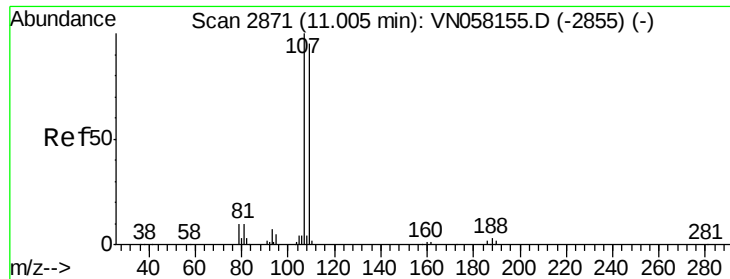
MMDadoda
9/26/2019 1:00:19 PM



#60
Dibromochloromethane
Concen: 18.381 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 129 Resp: 85070
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1





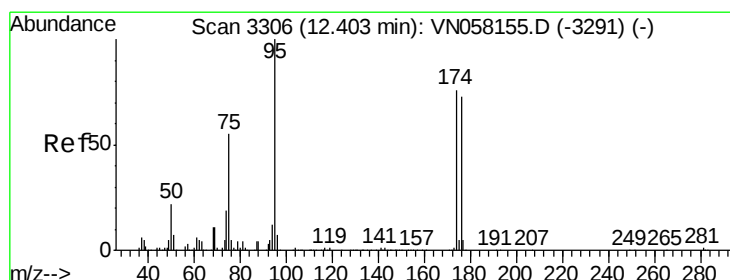
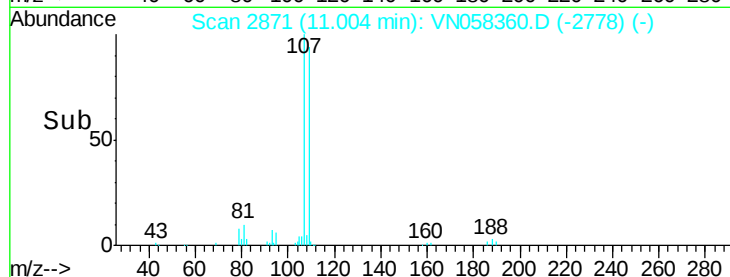
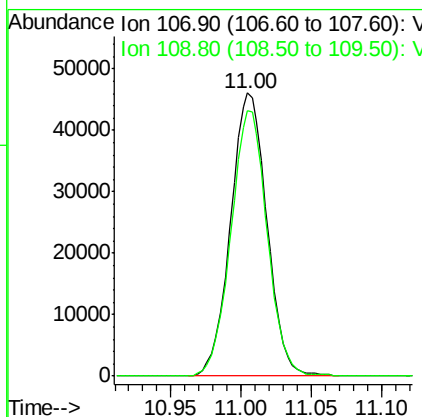
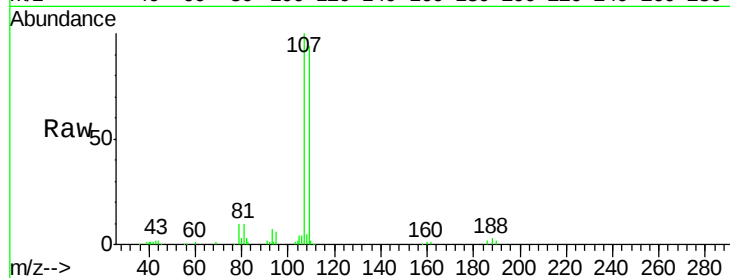
#61
1,2-Dibromoethane
Concen: 18.622 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

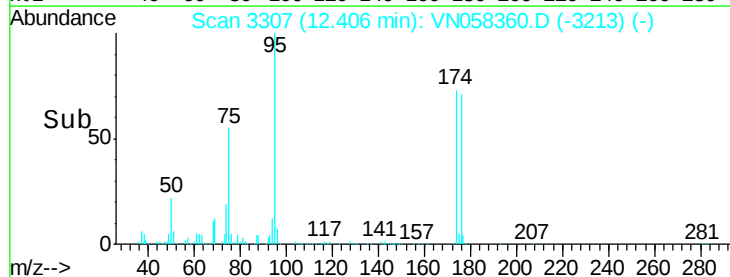
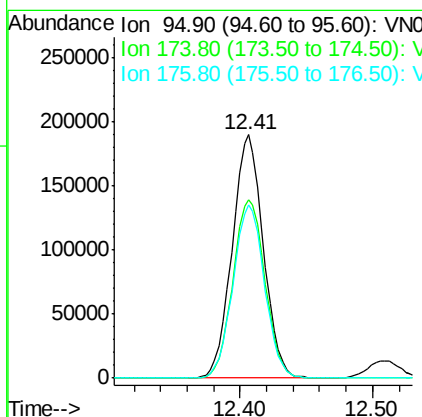
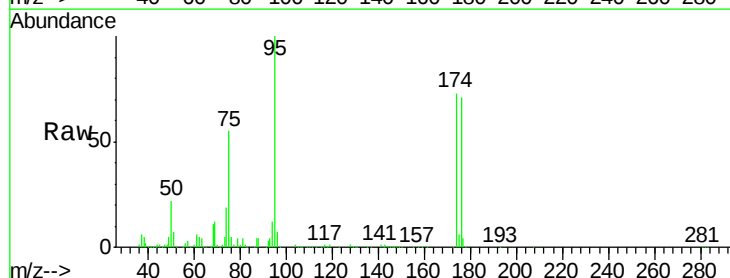
Manual Integrations
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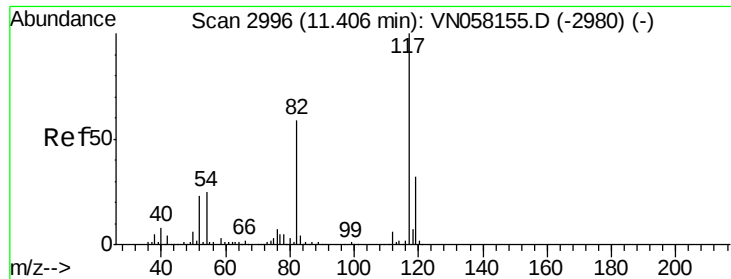
MMDadoda
9/26/2019 1:00:19 PM



#62
4-Bromofluorobenzene
Concen: 44.647 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	152.2
176	72.1	0.0	148.0





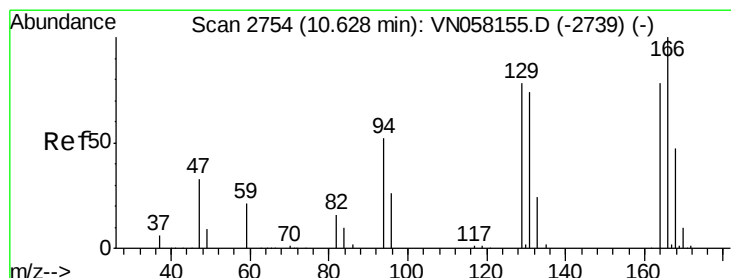
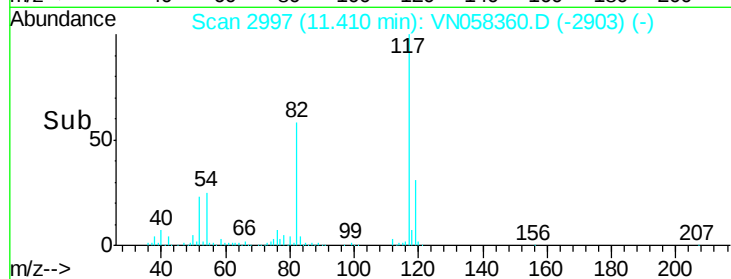
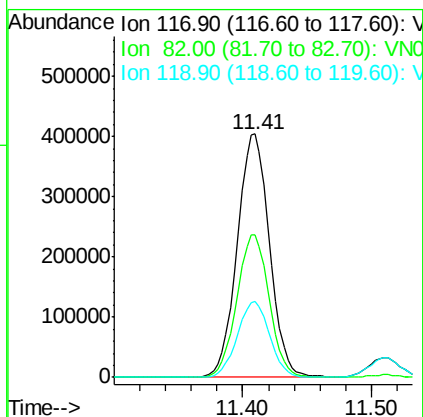
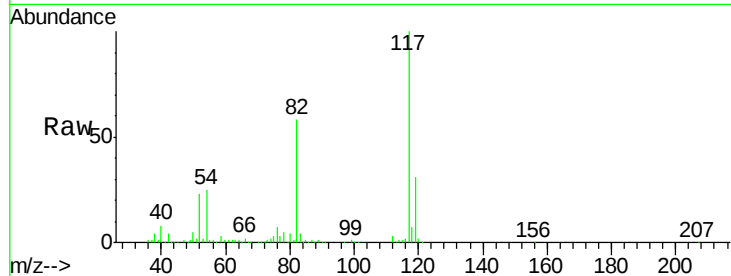
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	702280		
82	58.4	46.9	70.3	
119	31.3	25.3	37.9	

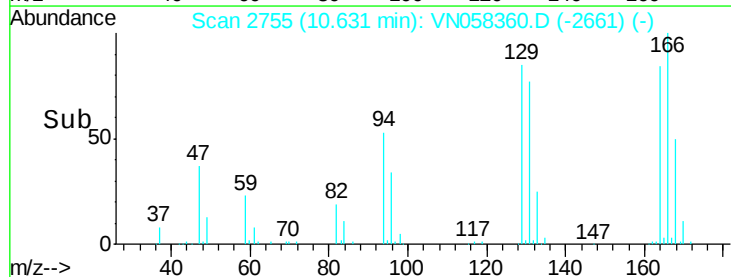
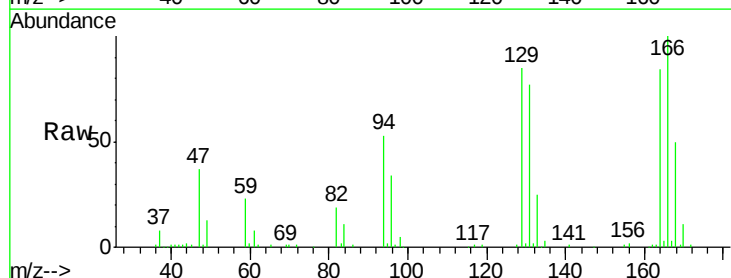
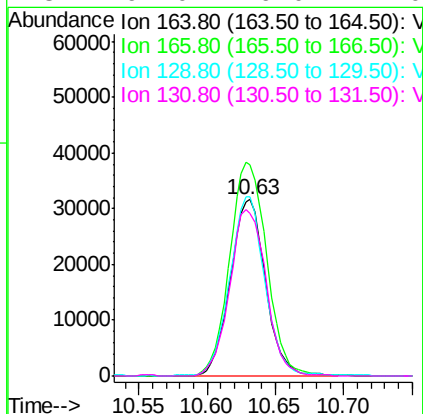
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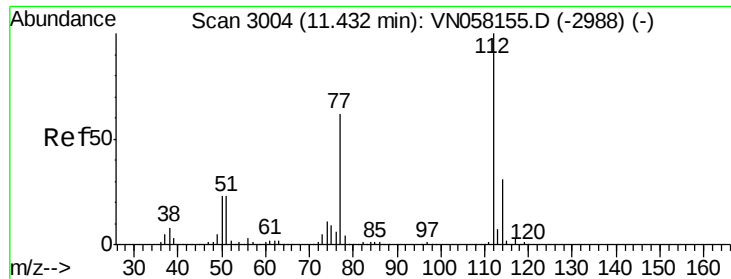
MMDadoda
9/26/2019 1:00:19 PM



#64
Tetrachloroethene
Concen: 16.640 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56966		
166	119.7	102.2	153.4	
129	101.3	79.6	119.4	
131	92.0	76.0	114.0	





#65

Chlorobenzene

Concen: 17.841 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:112 Resp: 220381

Ion Ratio Lower Upper

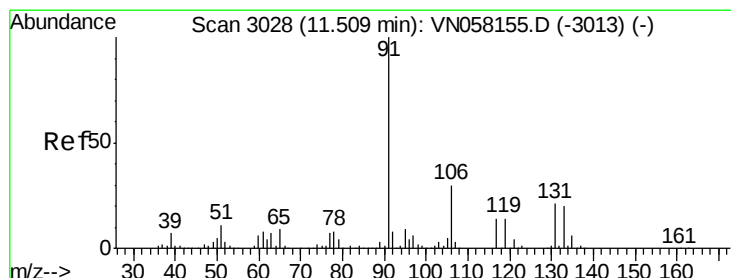
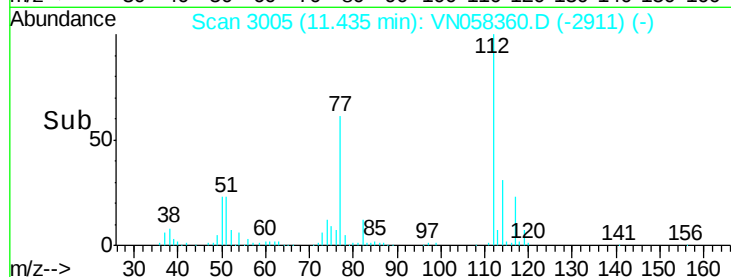
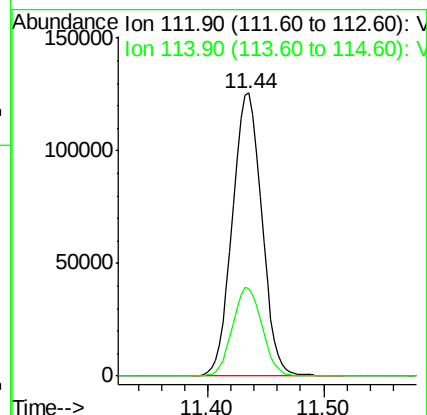
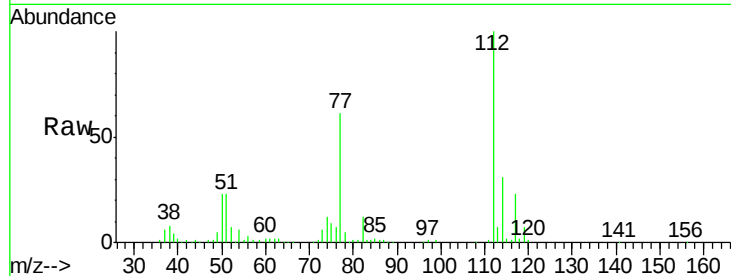
112 100

114 31.1 25.1 37.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.342 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

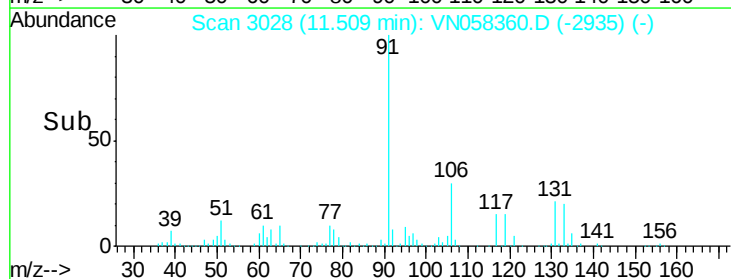
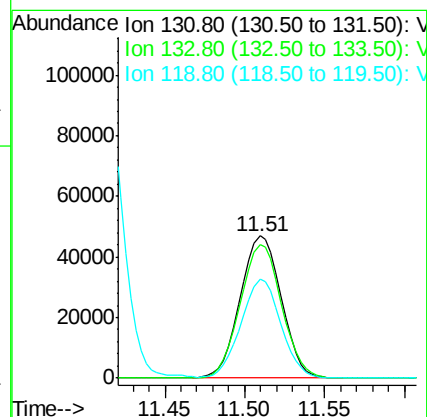
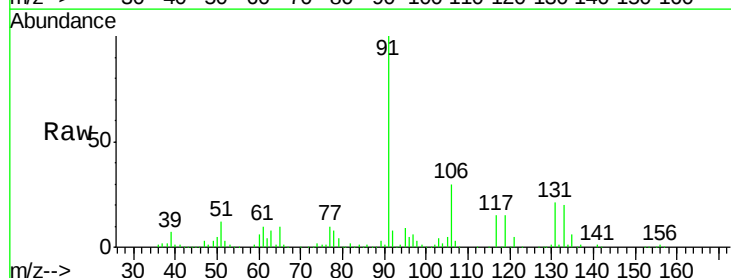
Tgt Ion:131 Resp: 82154

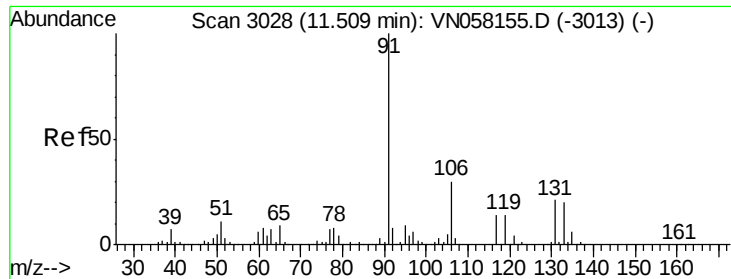
Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.3

119 67.7 33.1 99.3





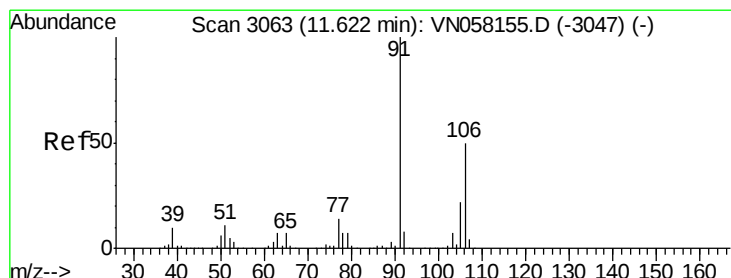
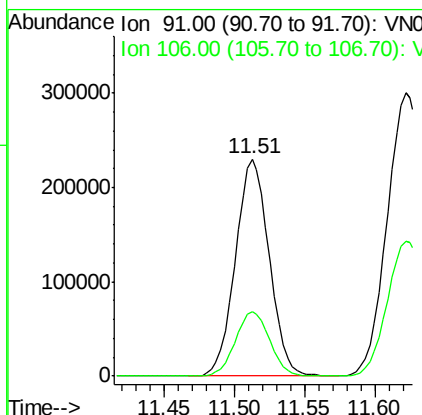
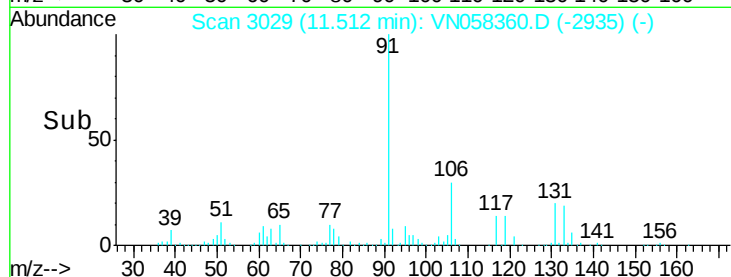
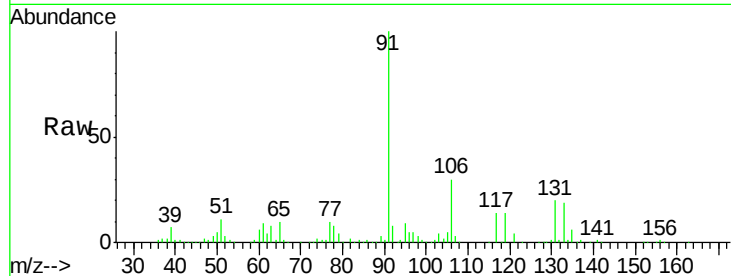
#67
Ethyl Benzene
Concen: 18.250 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion: 91 Resp: 386282
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

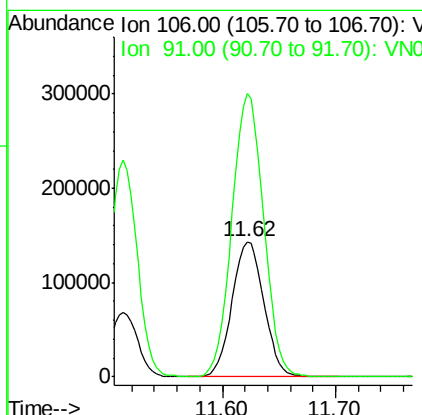
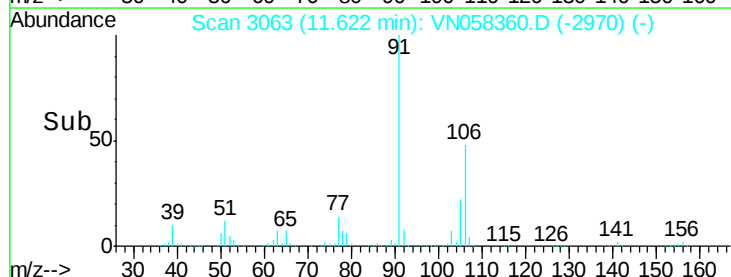
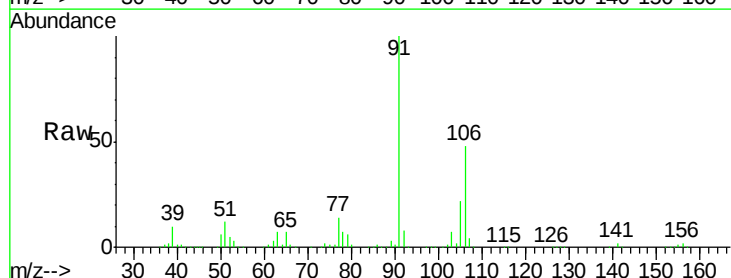
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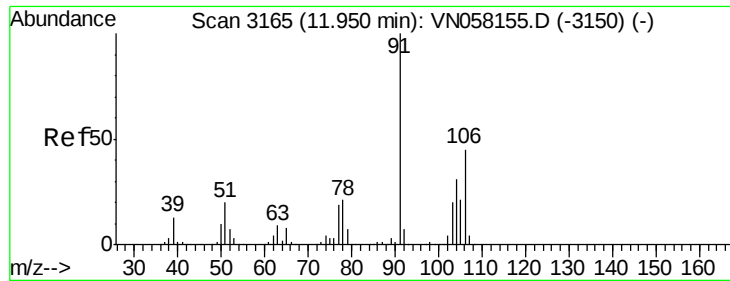
MMDadoda
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#68
m/p-Xylenes
Concen: 35.204 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 106 Resp: 280637
Ion Ratio Lower Upper
106 100
91 208.3 163.6 245.4





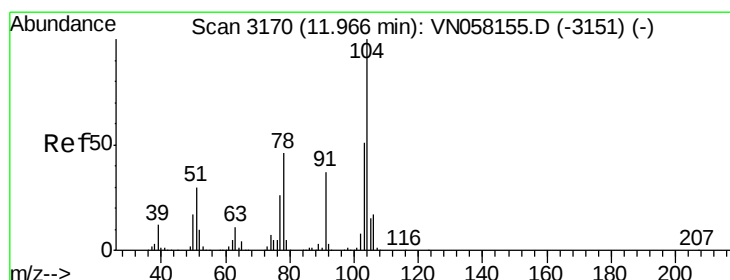
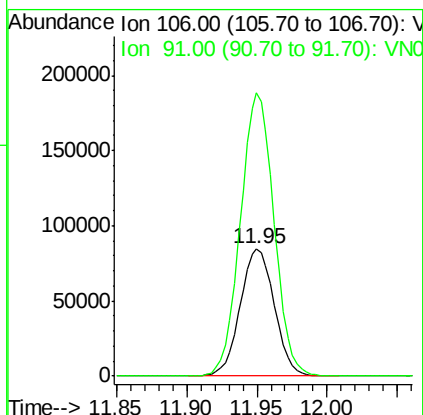
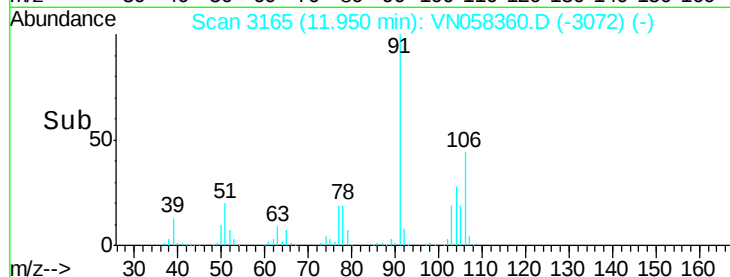
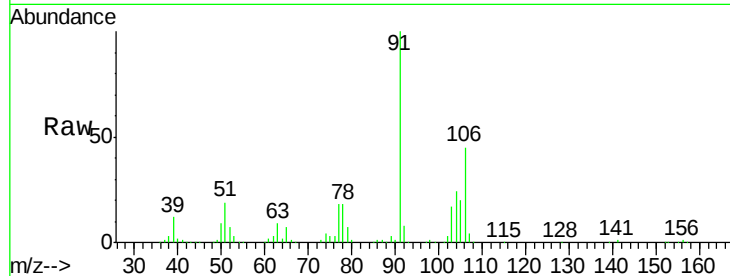
#69
o-Xylene
Concen: 18.292 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	219.2	111.8	335.3		

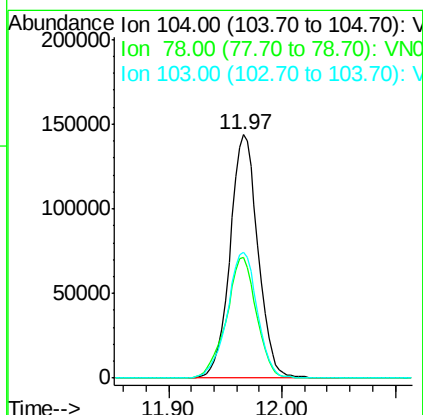
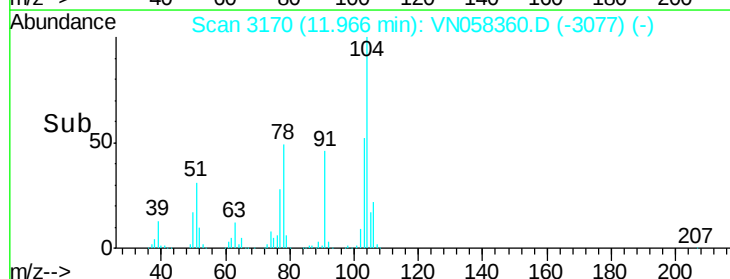
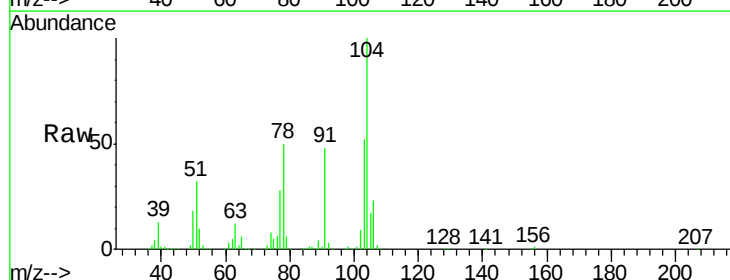
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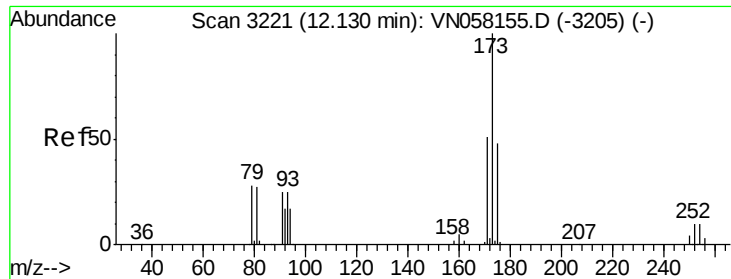
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#70
Styrene
Concen: 18.283 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.4	41.8	62.8		
103	55.7	44.2	66.2		





#71

Bromoform

Concen: 18.225 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

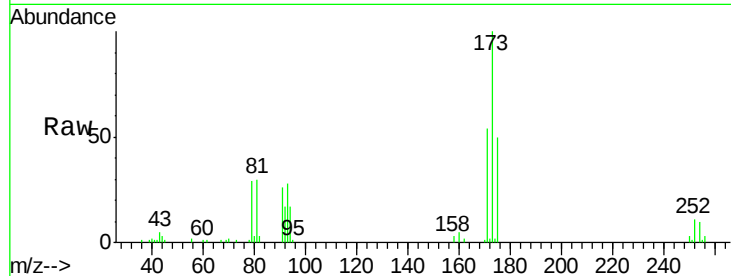
ClientSampleId :

VN0925WBSD01

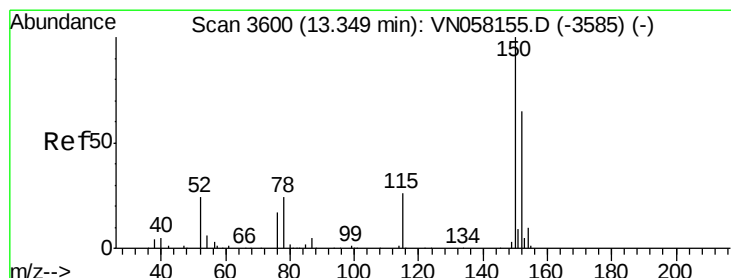
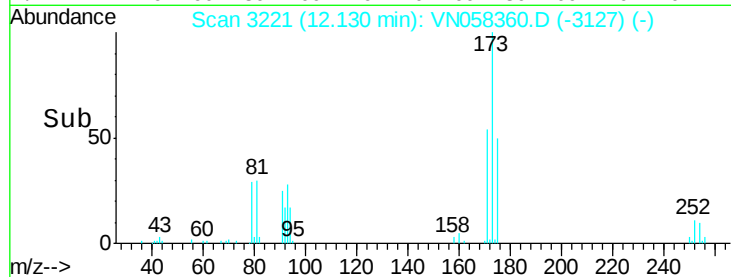
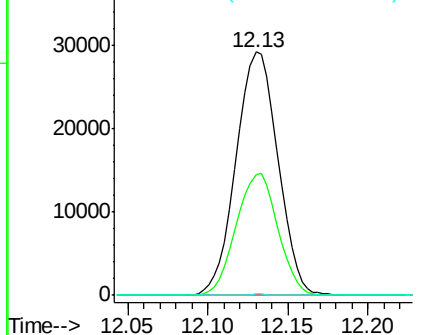
Tot Ion:	173	Resp:	52346
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.2	72.6
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

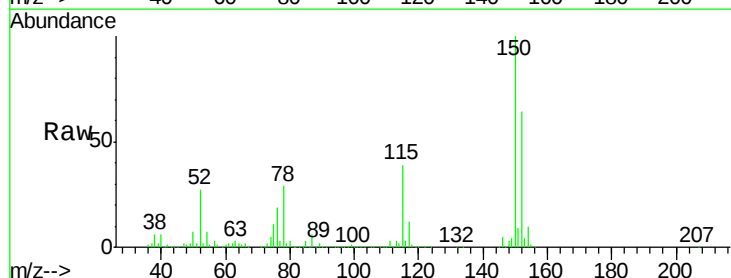
RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

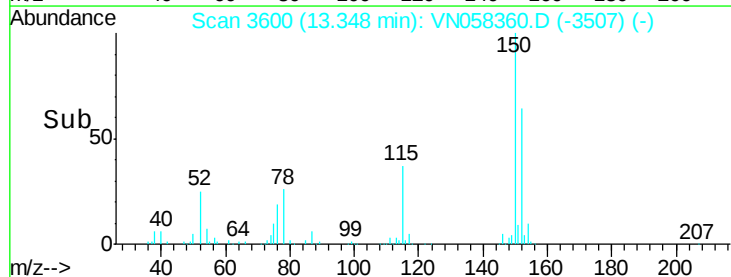
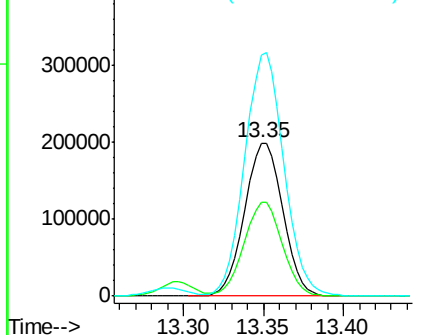
Lab File: VN058360.D

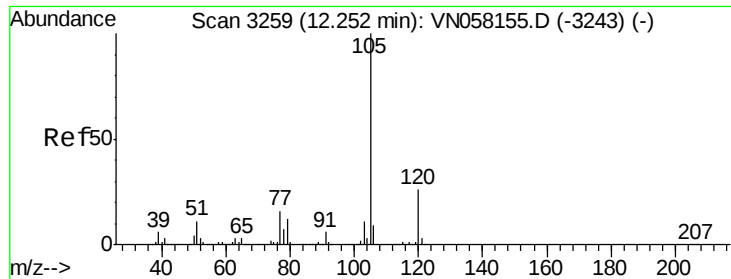
Acq: 25 Sep 2019 12:36

Tgt Ion:	152	Resp:	324906
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.1	90.3
150	163.5	0.0	346.4



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





#73

Isopropylbenzene

Concen: 19.835 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:105 Resp: 403394

Ion Ratio Lower Upper

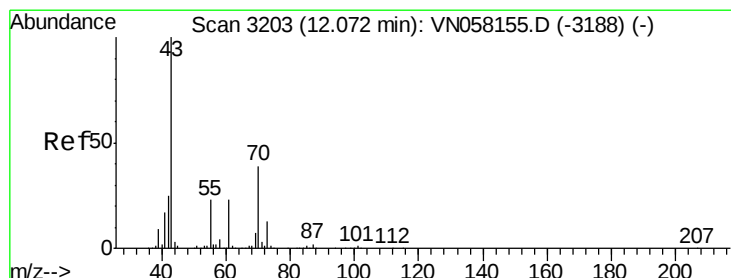
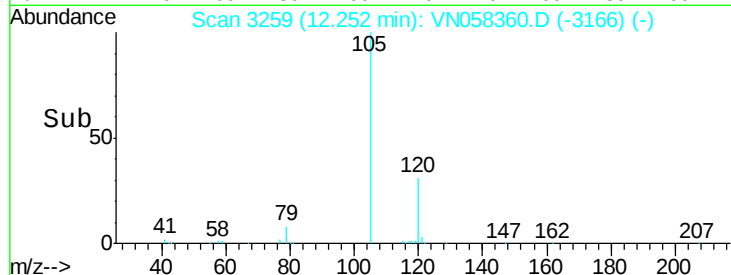
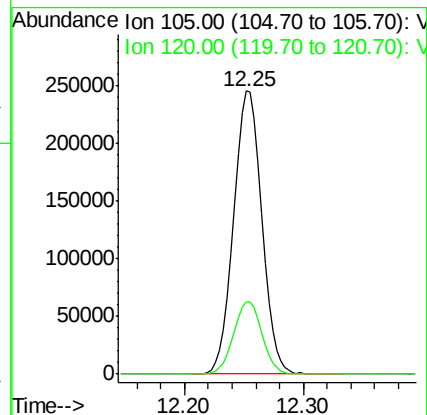
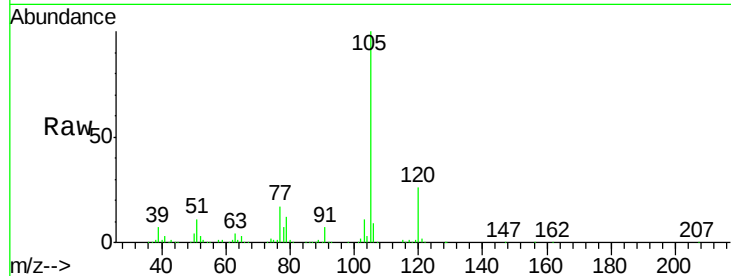
105 100

120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 20.248 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion: 43 Resp: 172269

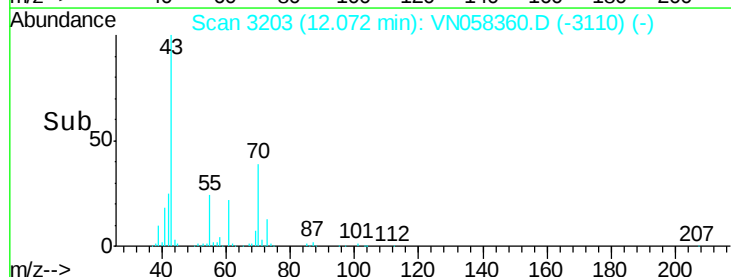
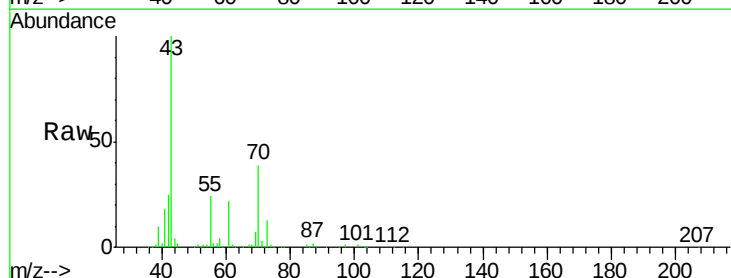
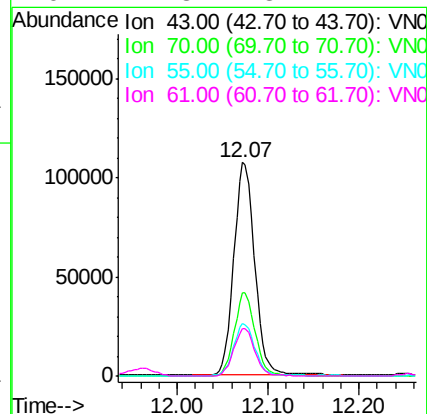
Ion Ratio Lower Upper

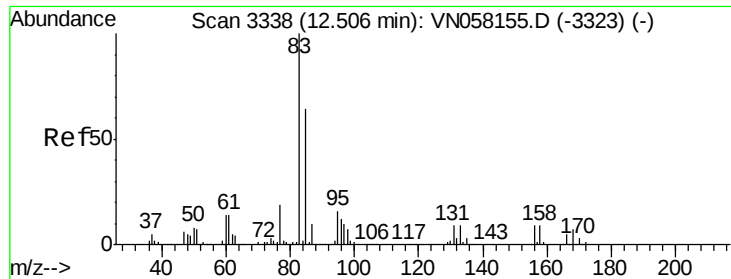
43 100

70 39.4 31.0 46.6

55 25.5 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.749 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

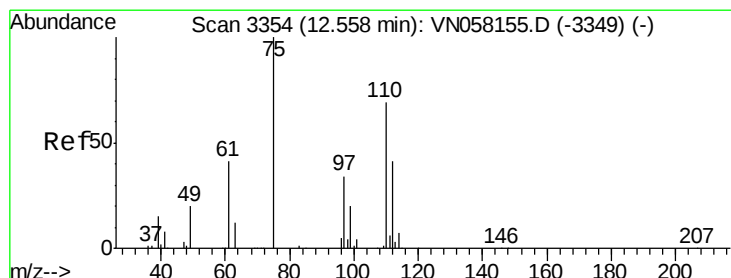
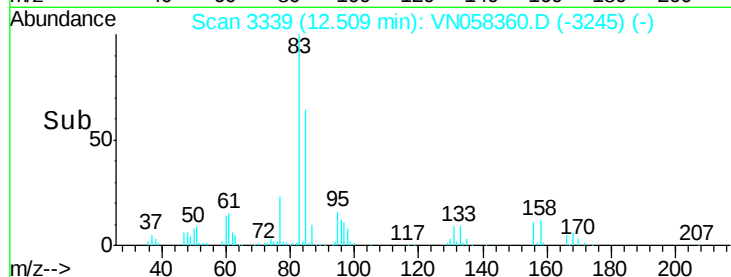
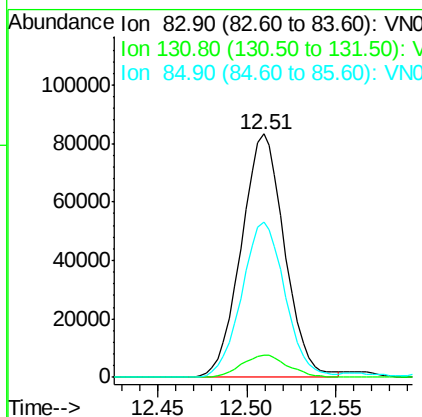
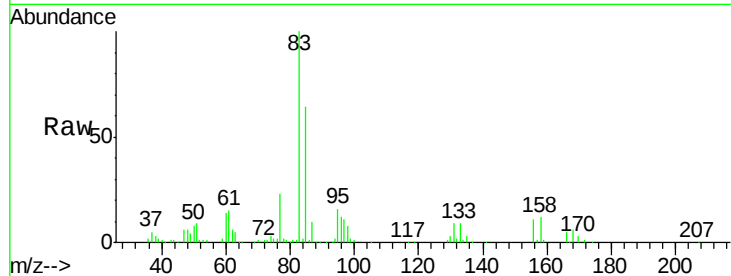
ClientSampleId :

VN0925WBSD01

Tot Ion:	83	Resp:	141311
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	63.7	31.9	95.5

Manual Integrations
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9/26/2019 1:00:19 PM



#76

1,2,3-Trichloropropane

Concen: 21.119 ug/l m

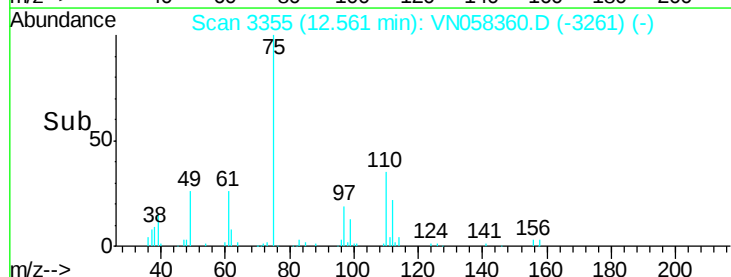
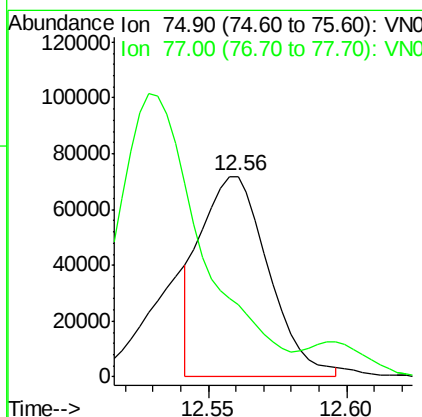
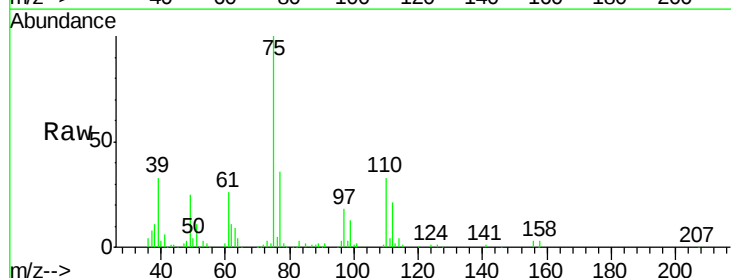
RT: 12.56 min Scan# 3355

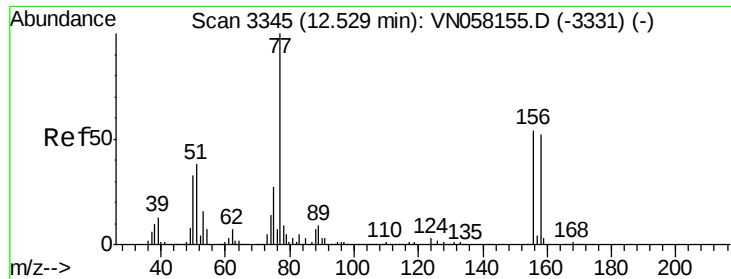
Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion:	75	Resp:	122800
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.669 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

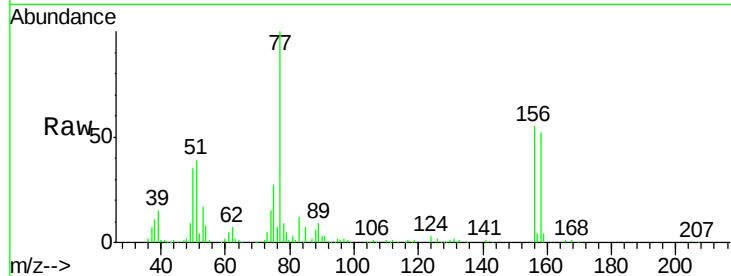
ClientSampleId :

VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.8	111.7	335.1
158	94.7	47.9	143.8

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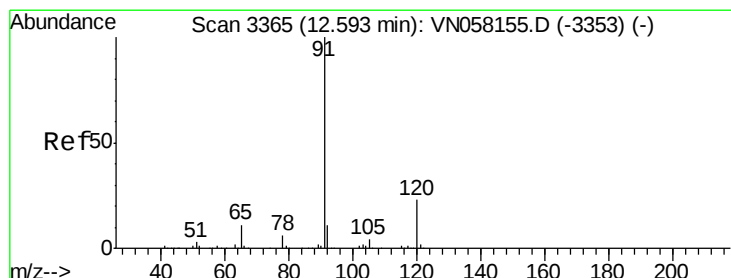
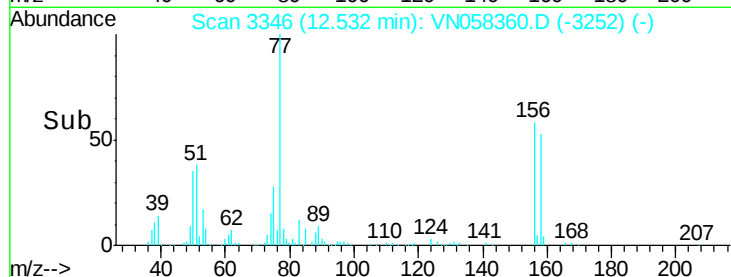
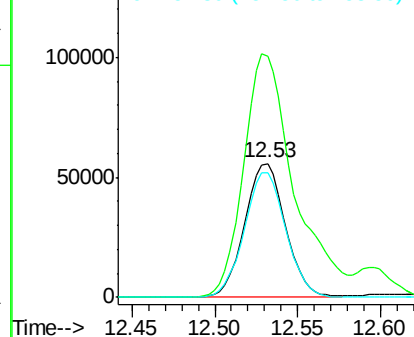
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.183 ug/l

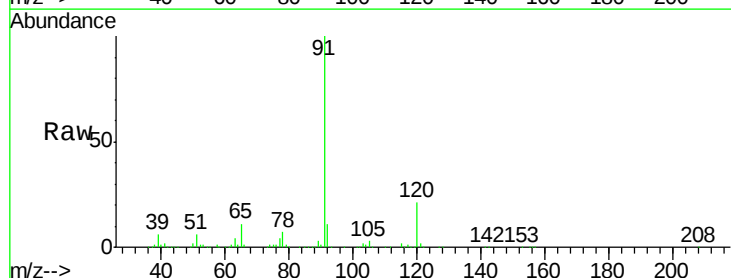
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058360.D

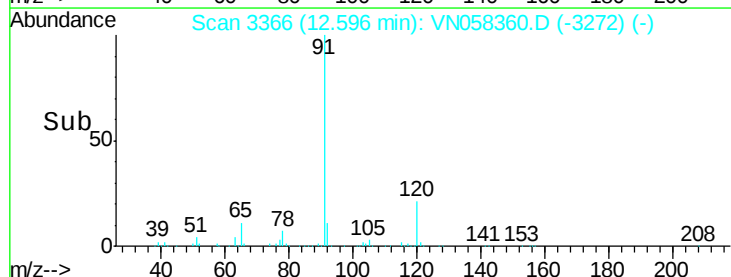
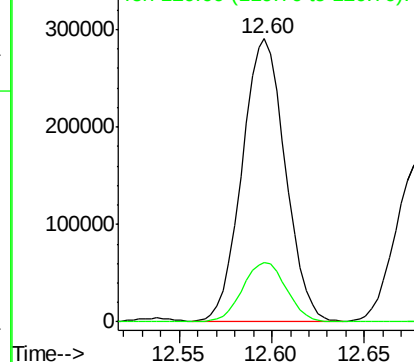
Acq: 25 Sep 2019 12:36

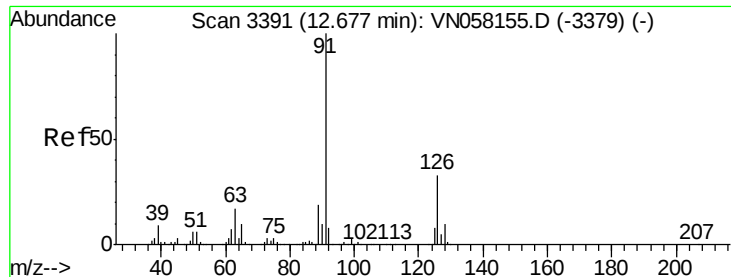
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.367 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 91 Resp: 279717

Ion Ratio Lower Upper

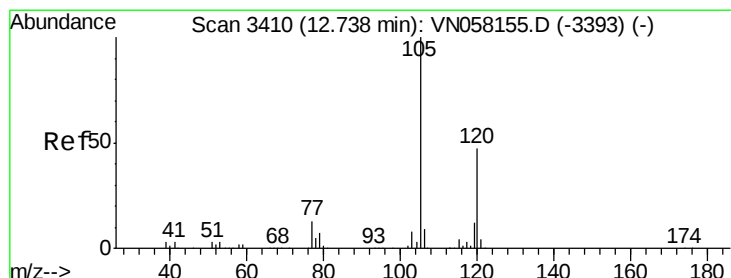
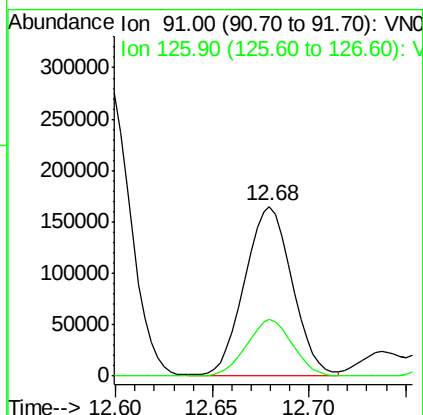
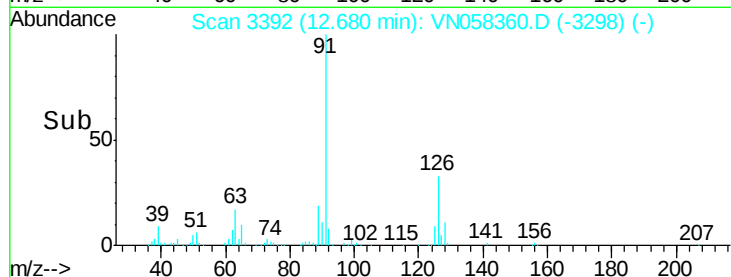
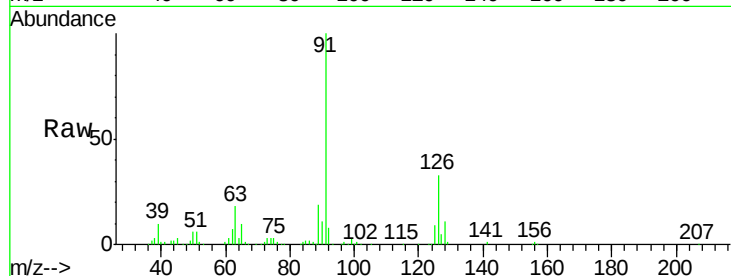
91 100

126 32.5 16.4 49.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.666 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058360.D

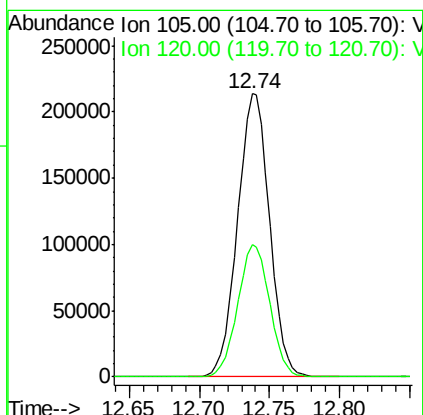
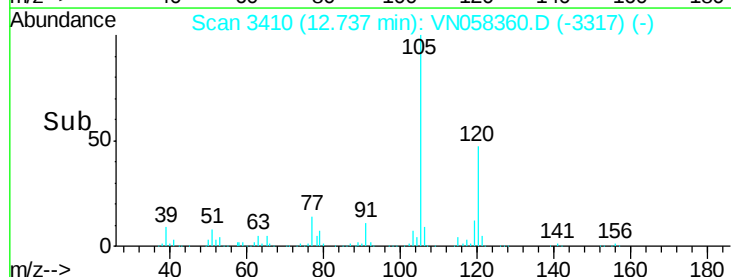
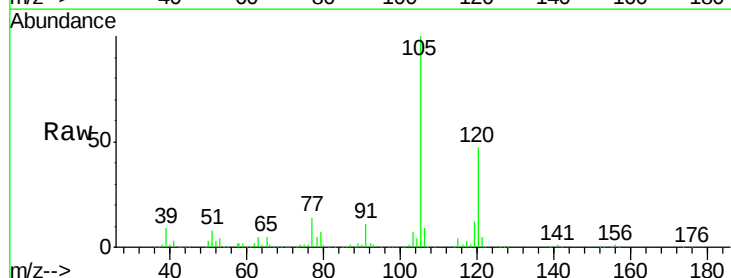
Acq: 25 Sep 2019 12:36

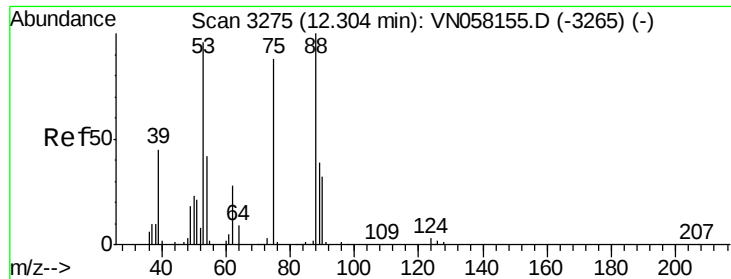
Tgt Ion: 105 Resp: 338197

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





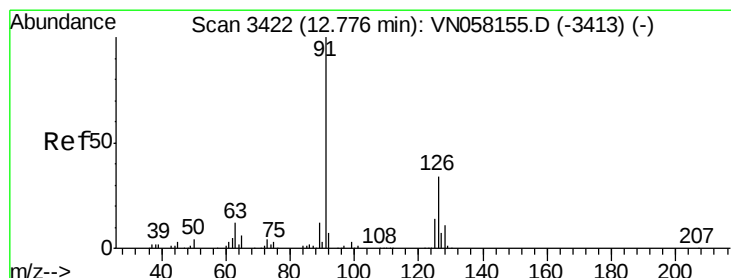
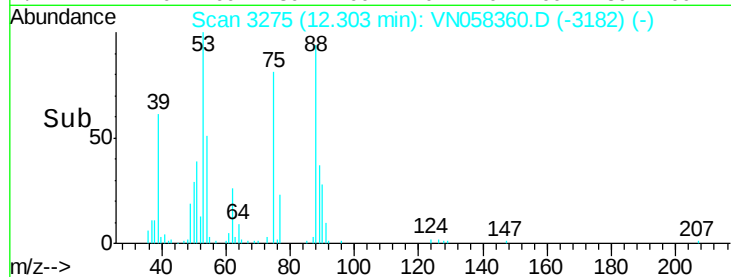
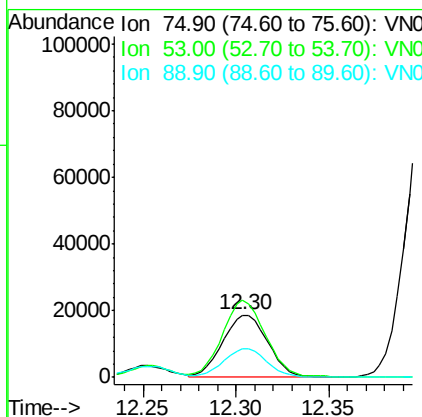
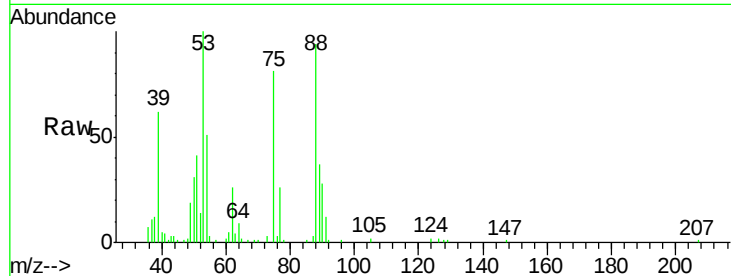
#81
trans-1,4-Dichloro-2-butene
Concen: 20.127 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.1	90.1	135.1
89	44.1	36.2	54.2

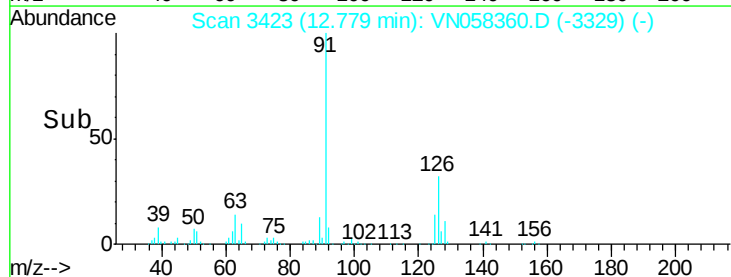
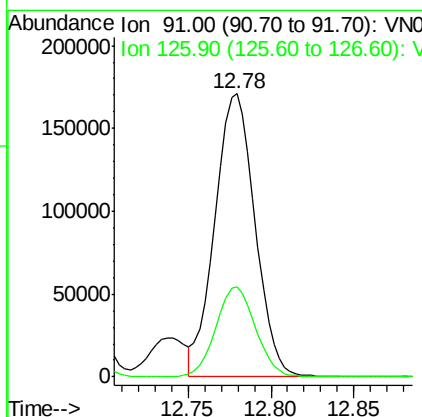
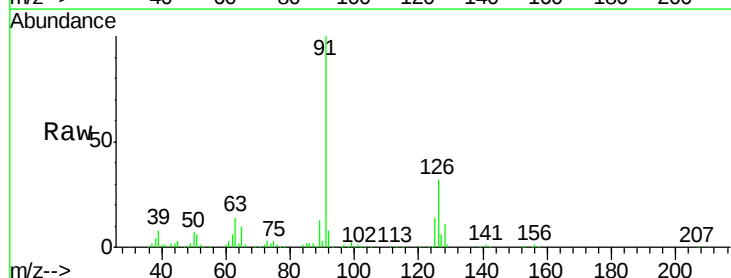
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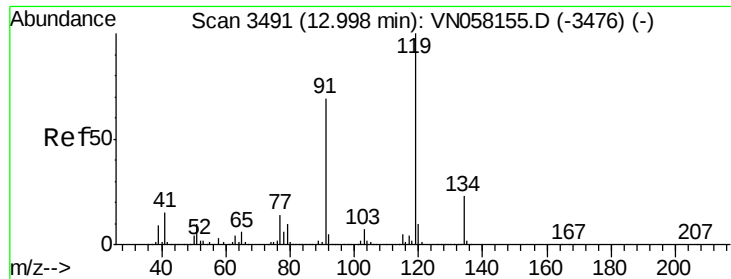
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.850 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1





#83

tert-Butylbenzene

Concen: 20.013 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

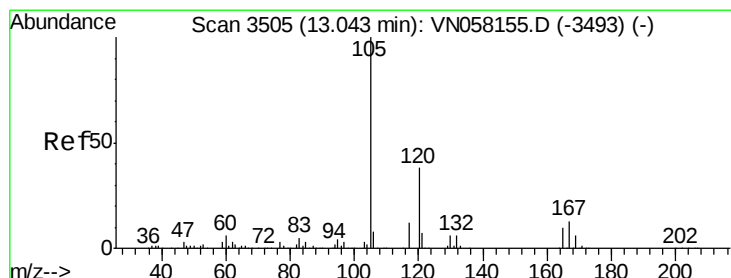
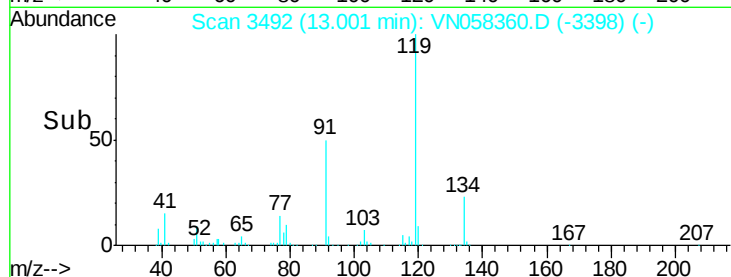
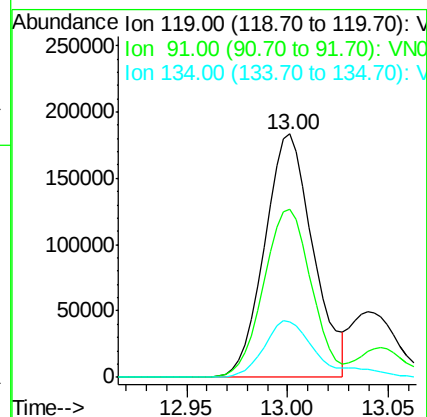
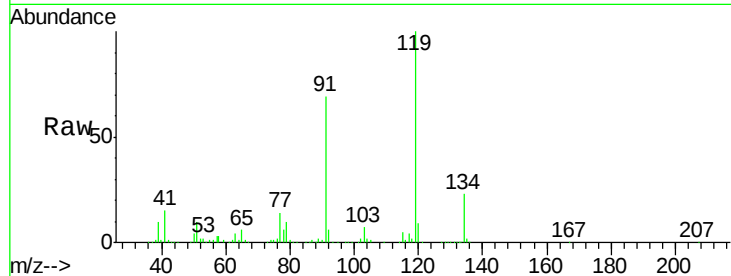
ClientSampleId :

VN0925WBSD01

Tot Ion:	119	Resp:	306922
Ion Ratio	Lower	Upper	
119	100		
91	68.1	33.8	101.3
134	25.6	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.766 ug/l

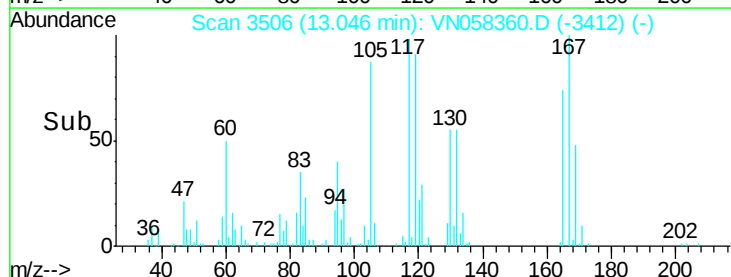
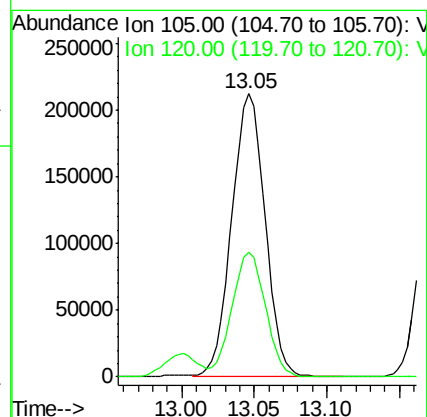
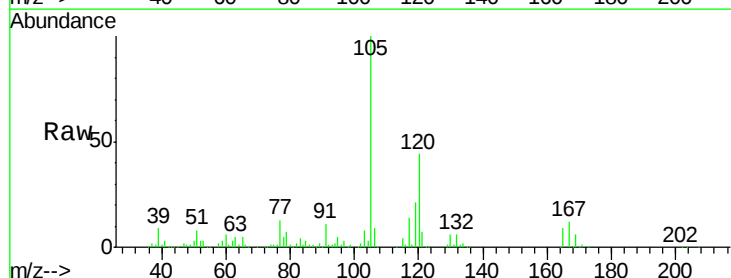
RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion:	105	Resp:	338282
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 20.291 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:105 Resp: 406931

Ion Ratio Lower Upper

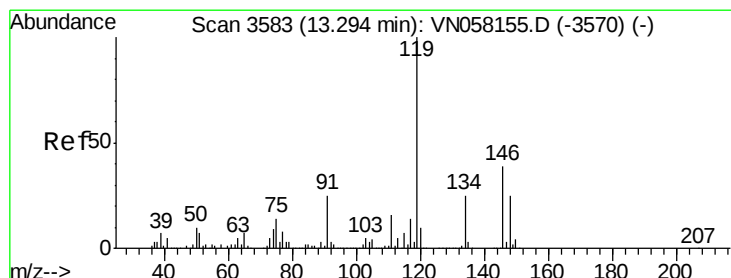
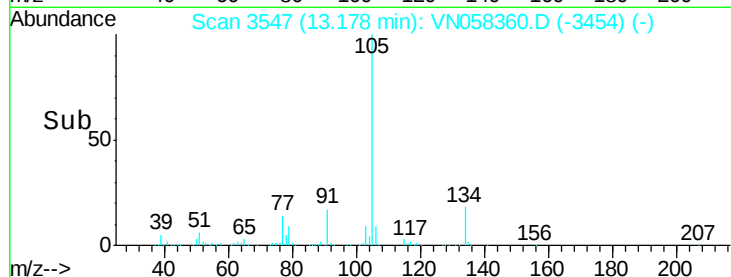
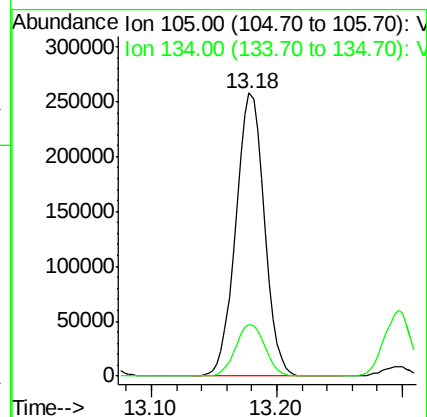
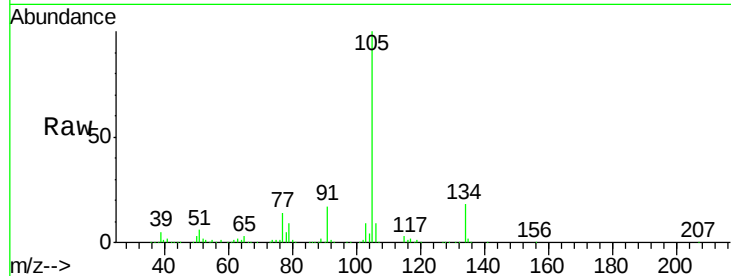
105 100

134 19.0 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 20.249 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

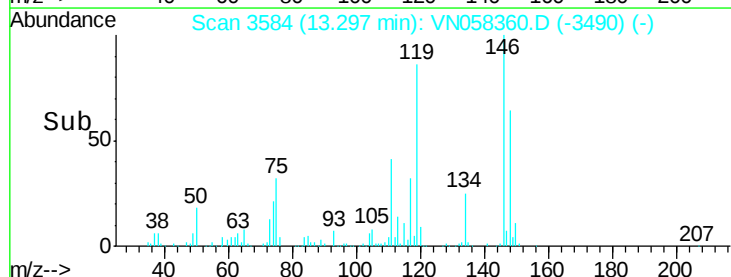
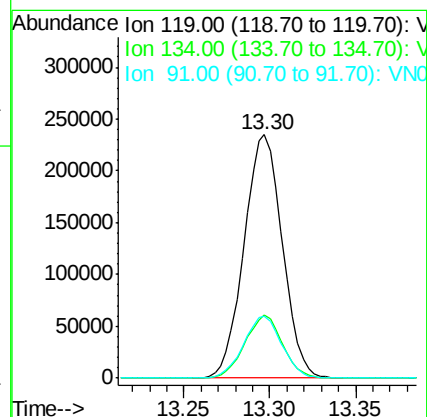
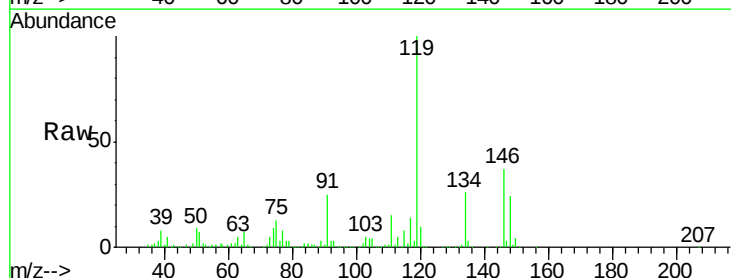
Tgt Ion:119 Resp: 361027

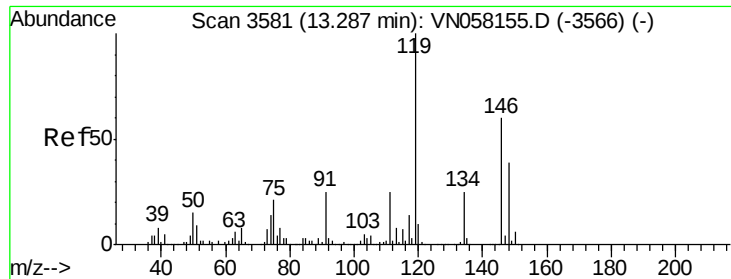
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 25.2 12.3 36.8





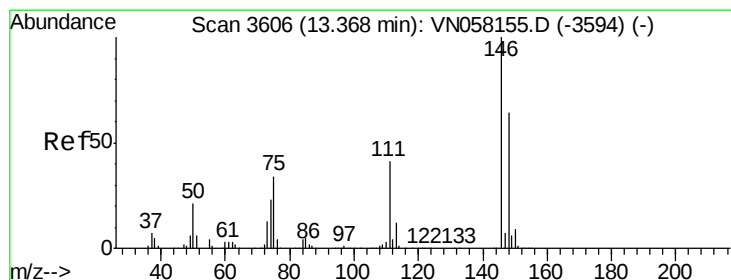
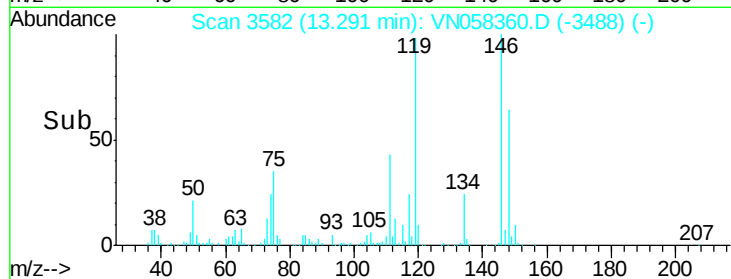
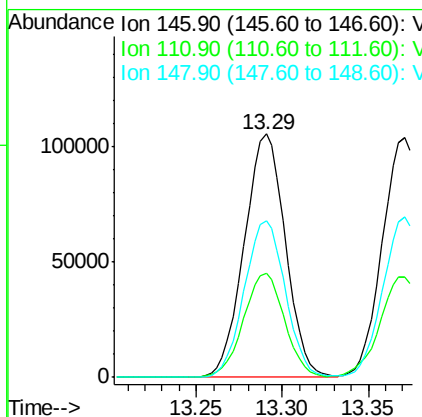
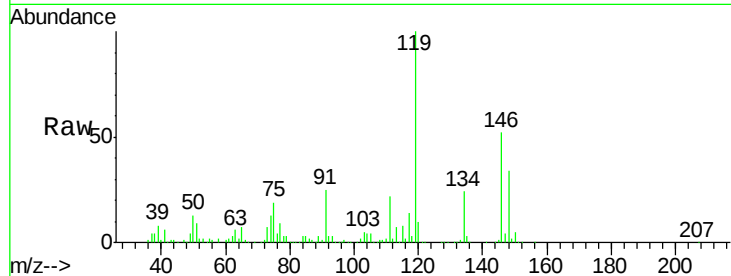
#87
 1,3-Dichlorobenzene
 Concen: 18.754 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175226		
111	42.7	20.9	62.8	
148	63.9	32.0	96.2	

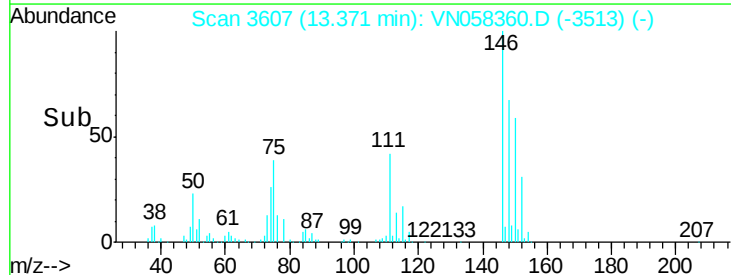
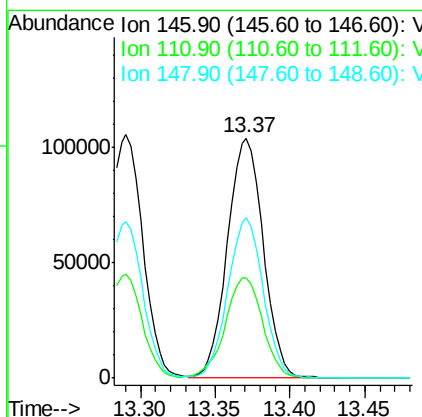
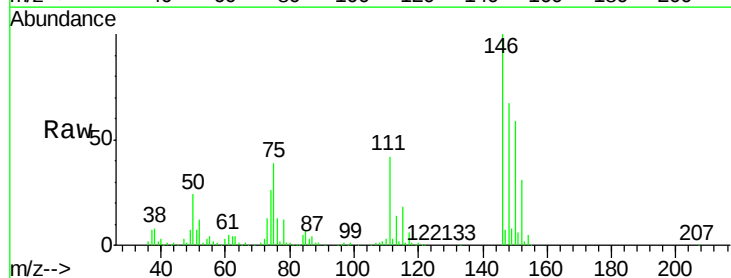
Manual Integrations
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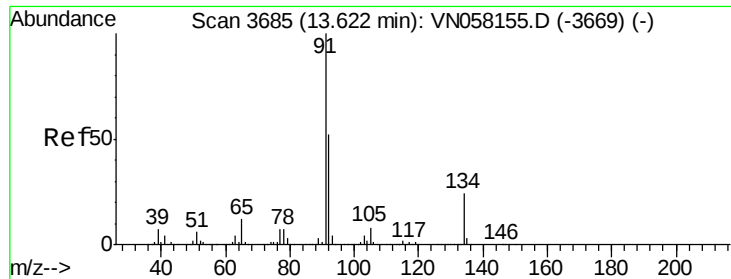
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#88
 1,4-Dichlorobenzene
 Concen: 18.190 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173517		
111	43.6	20.5	61.5	
148	65.8	31.9	95.5	





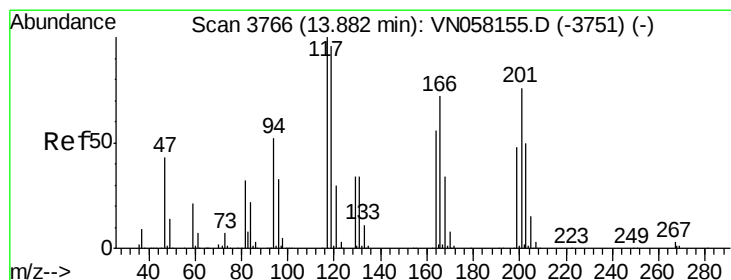
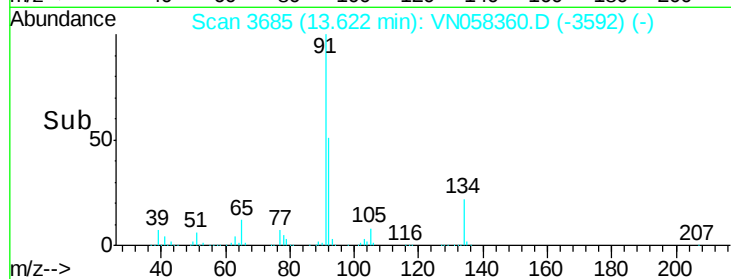
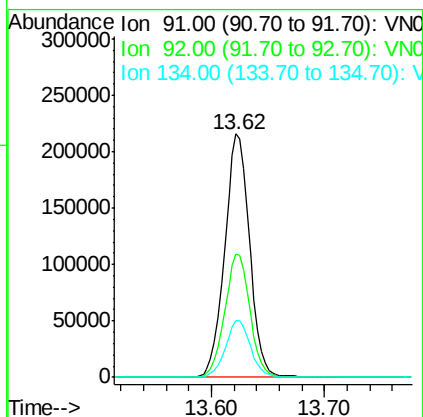
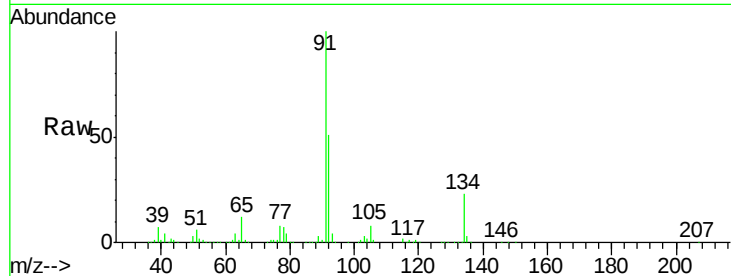
#89
n-Butylbenzene
Concen: 19.508 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.0
134	23.5	11.8	35.4

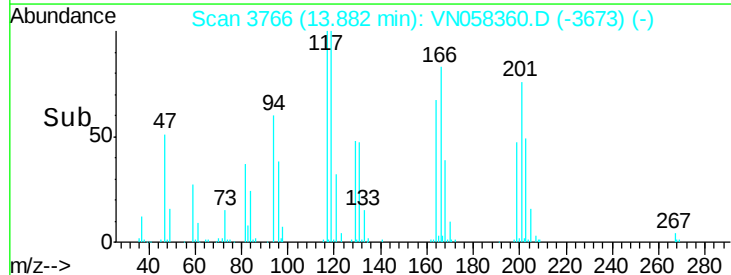
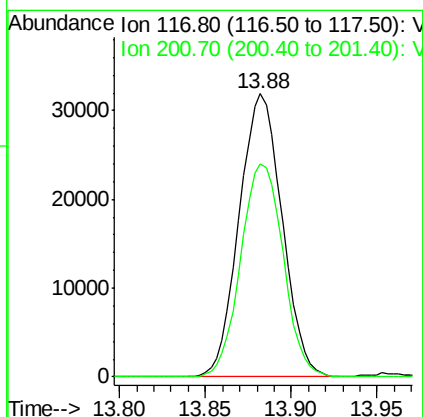
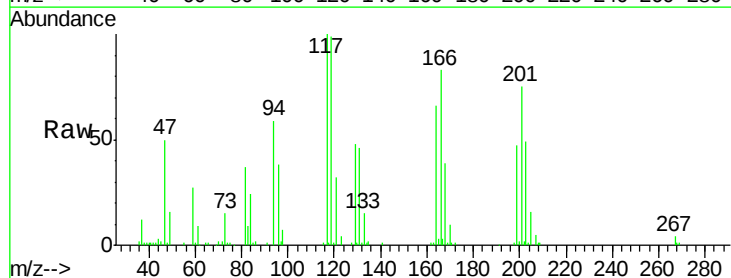
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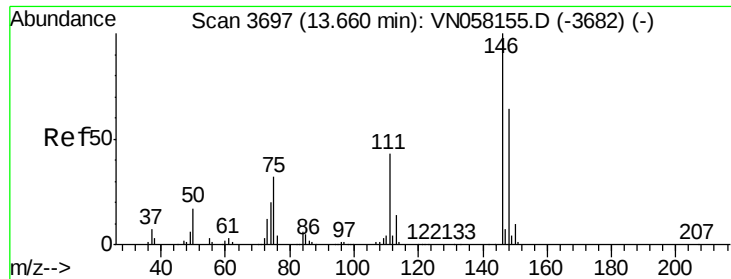
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#90
Hexachloroethane
Concen: 19.488 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.5	112.5





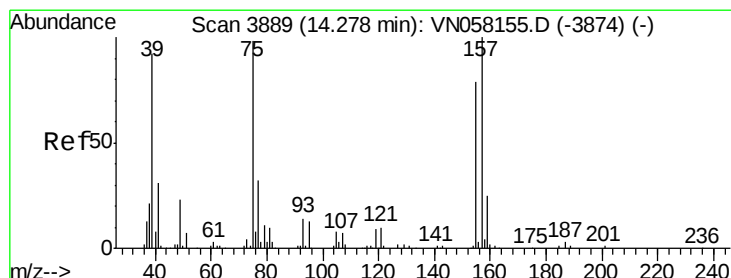
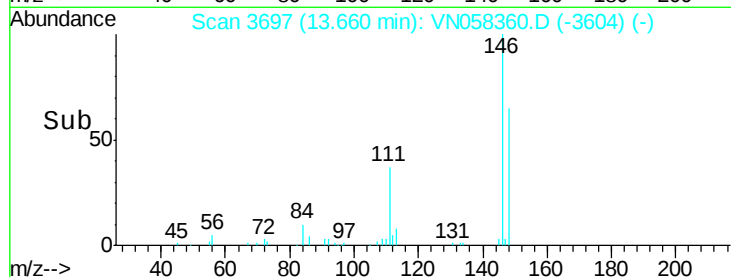
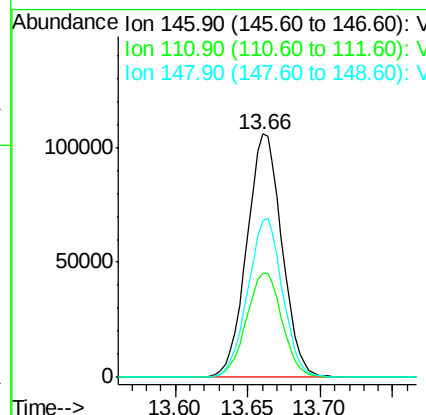
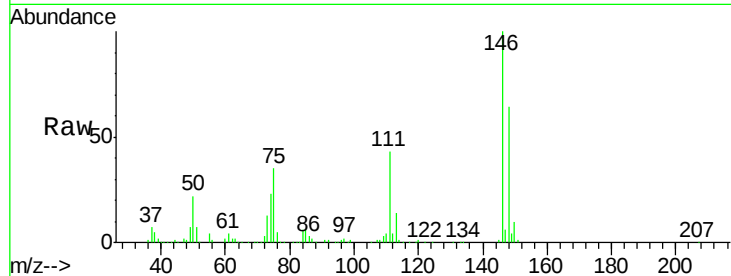
#91
 1,2-Dichlorobenzene
 Concen: 19.110 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.1
148	64.4	31.8	95.4

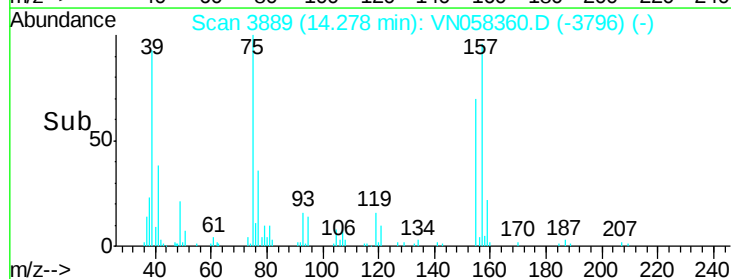
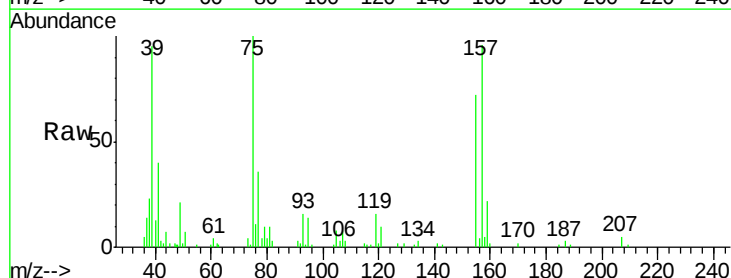
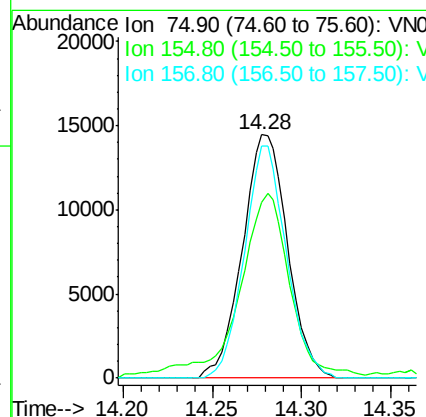
Manual Integrations
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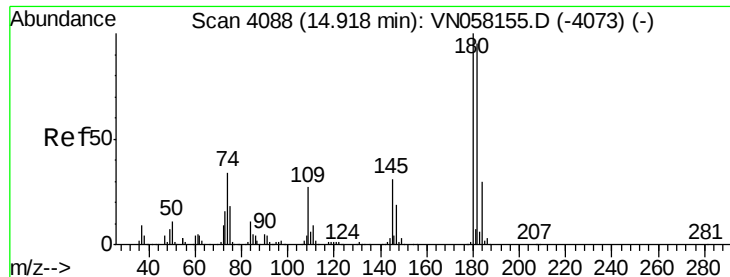
MMDadoda
 9/26/2019 1:00:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.858 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	38.3	114.8
157	89.1	48.0	144.0





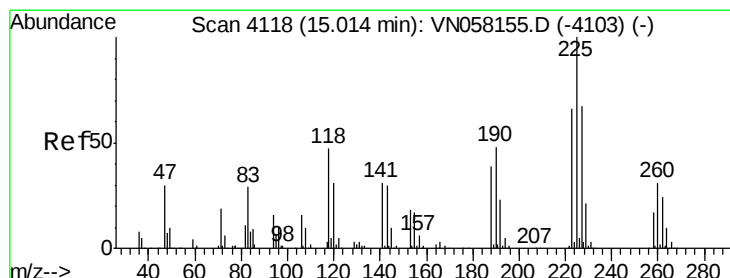
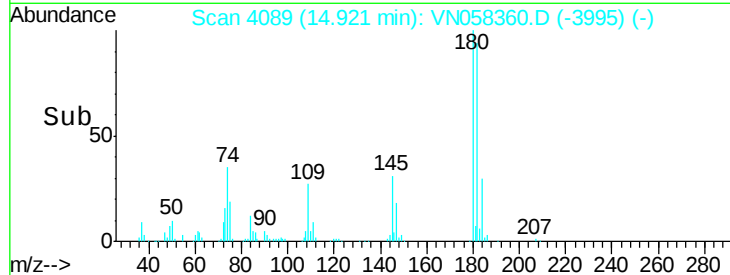
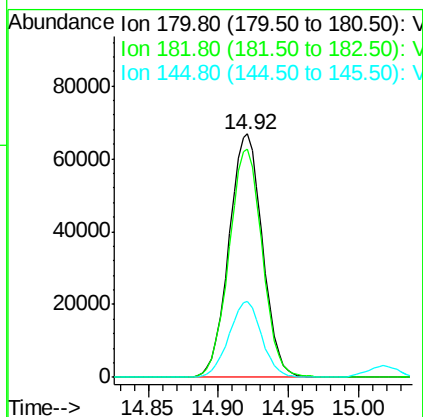
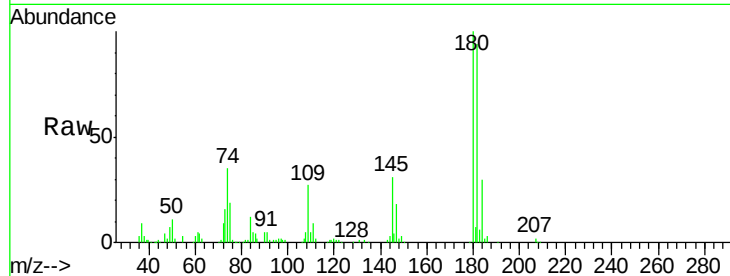
#93
 1,2,4-Trichlorobenzene
 Concen: 18.515 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.8	143.3	
145	30.7	15.4	46.4	

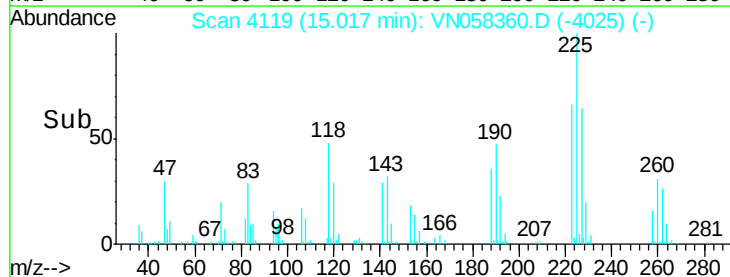
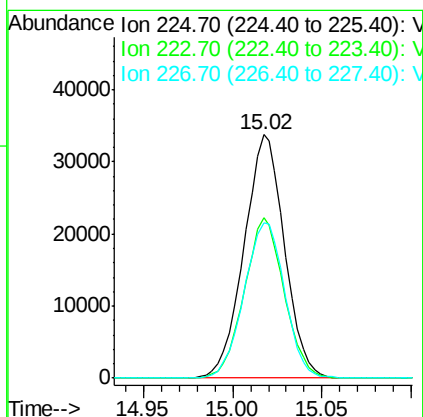
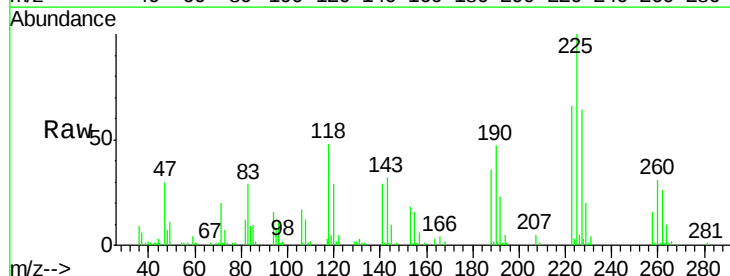
Manual Integrations
 APPROVED

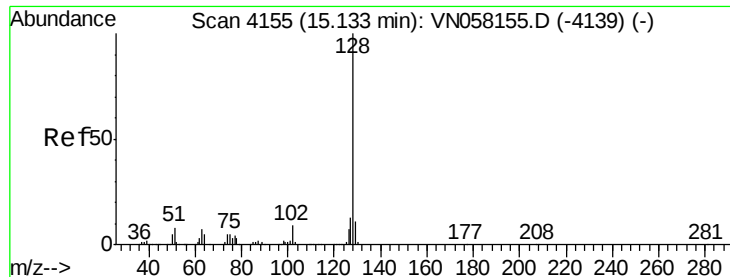
MMDadoda
 9/26/2019 1:00:19 PM



#94
 Hexachlorobutadiene
 Concen: 18.470 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.9	32.6	97.7	
227	64.3	33.0	99.0	





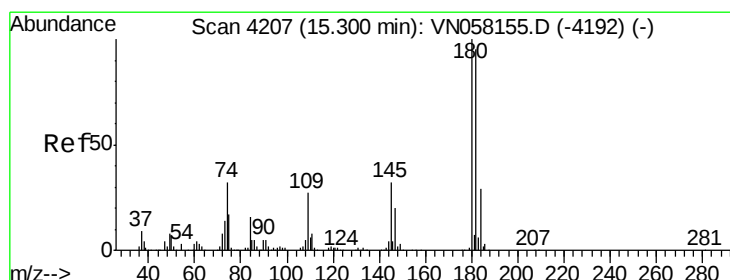
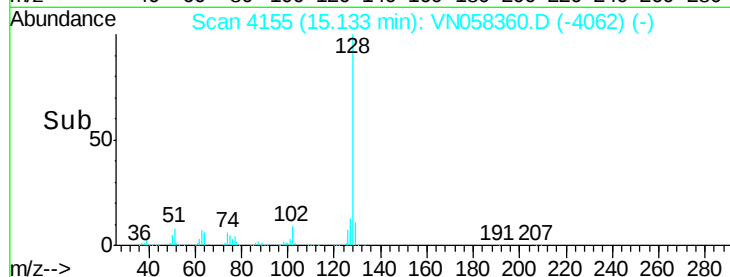
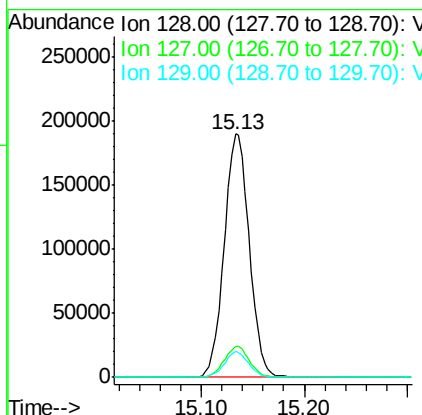
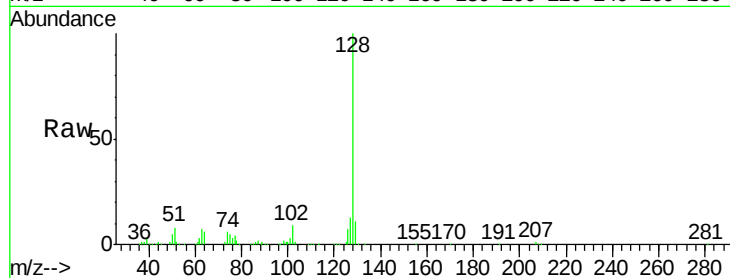
#95
Naphthalene
Concen: 20.701 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	321262		
127	12.6		10.2	15.2
129	10.3		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.771 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106246		
182	96.2		47.4	142.2
145	33.8		16.1	48.2

