

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058206.D
 Acq On : 19 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:34 PM

Quant Time: Sep 20 08:04:28 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	499753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	831558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355308	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.57	113	256021	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.08	98	1038673	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.40	95	384816	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	183333	44.657	ug/l	98
3) Chloromethane	2.04	50	151109	47.705	ug/l	99
4) Vinyl Chloride	2.17	62	166417	48.057	ug/l	100
5) Bromomethane	2.54	94	90681	49.511	ug/l	98
6) Chloroethane	2.68	64	110026	49.624	ug/l	96
7) Trichlorofluoromethane	3.00	101	256230	45.726	ug/l	100
8) Diethyl Ether	3.39	74	115810	45.105	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185321	45.870	ug/l	99
10) Methyl Iodide	3.93	142	151724	44.817	ug/l	99
11) Tert butyl alcohol	4.75	59	198546	239.796	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	143348	46.730	ug/l	98
13) Acrolein	3.58	56	35659	290.612	ug/l	98
14) Allyl chloride	4.30	41	306643	46.384	ug/l	100
15) Acrylonitrile	4.96	53	546312	247.652	ug/l	100
16) Acetone	3.79	43	559331	236.734	ug/l	100
17) Carbon Disulfide	4.03	76	182003	42.215	ug/l	99
18) Methyl Acetate	4.30	43	287766	46.287	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	738790	48.483	ug/l	97
20) Methylene Chloride	4.52	84	201648	48.742	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	158314	47.364	ug/l	98
22) Diisopropyl ether	5.93	45	826070	49.190	ug/l	97
23) Vinyl Acetate	5.87	43	2981380	259.455	ug/l	100
24) 1,1-Dichloroethane	5.82	63	425630	47.488	ug/l	98
25) 2-Butanone	6.81	43	804370	249.890	ug/l	99
26) 2,2-Dichloropropane	6.80	77	355256	46.721	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238450	47.051	ug/l	97
28) Bromochloromethane	7.17	49	218189	51.460	ug/l #	100
29) Tetrahydrofuran	7.19	42	474970	239.551	ug/l	99
30) Chloroform	7.36	83	460410	47.722	ug/l	99
31) Cyclohexane	7.64	56	275292	47.390	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	359475	48.944	ug/l	100
36) 1,1-Dichloropropene	7.78	75	270280	45.071	ug/l	100
37) Ethyl Acetate	6.90	43	306546	49.258	ug/l	100
38) Carbon Tetrachloride	7.76	117	283143	46.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275100	47.450	ug/l	97
40) Benzene	8.02	78	869615	47.478	ug/l	99
41) Methacrylonitrile	7.15	41	152728	48.738	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	366453	47.681	ug/l	100
43) Isopropyl Acetate	8.15	43	560431	48.218	ug/l	100
44) Trichloroethene	8.82	130	212180	47.338	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272390	49.798	ug/l	97
46) Dibromomethane	9.20	93	162473	48.855	ug/l	99
47) Bromodichloromethane	9.39	83	354315	50.856	ug/l	98
48) Methyl methacrylate	9.19	41	263302	49.894	ug/l	99
49) 1,4-Dioxane	9.19	88	88372	1019.968	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1706368	276.403	ug/l	99
52) Toluene	10.15	92	563246	49.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376283	52.725	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	405244	51.431	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258800	50.804	ug/l	99
56) Ethyl methacrylate	10.43	69	387361	52.703	ug/l	99
57) 1,3-Dichloropropane	10.71	76	439862	50.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	960339	274.309	ug/l	99
59) 2-Hexanone	10.75	43	1257889	274.350	ug/l	99
60) Dibromochloromethane	10.90	129	261255	53.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	239867	50.810	ug/l	100
64) Tetrachloroethene	10.63	164	172476	46.103	ug/l	98
65) Chlorobenzene	11.43	112	659995	48.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	250840	51.247	ug/l	99
67) Ethyl Benzene	11.51	91	1196250	51.718	ug/l	99
68) m/p-Xylenes	11.62	106	867444	99.574	ug/l	98
69) o-Xylene	11.95	106	440610	51.437	ug/l	98
70) Styrene	11.97	104	778686	52.760	ug/l	99
71) Bromoform	12.13	173	169231	46.876	ug/l #	99
73) Isopropylbenzene	12.25	105	1244822	52.362	ug/l	99
74) N-amyl acetate	12.07	43	529204	53.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	403821	50.724	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	386687m	56.888	ug/l	
77) Bromobenzene	12.53	156	290808	48.630	ug/l	98
78) n-propylbenzene	12.59	91	1460988	54.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	870992	51.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1064380	52.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	104117	46.098	ug/l	97
82) 4-Chlorotoluene	12.78	91	918714	51.766	ug/l	99
83) tert-Butylbenzene	13.00	119	936040	52.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1090929	54.530	ug/l	99
85) sec-Butylbenzene	13.18	105	1274924	54.383	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146635	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	565110	51.738	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	565648	50.727	ug/l	99
89) n-Butylbenzene	13.62	91	1062722	53.783	ug/l	99
90) Hexachloroethane	13.88	117	175975	48.255	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	561456	51.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74965	52.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	363531	51.931	ug/l	99
94) Hexachlorobutadiene	15.02	225	166371	49.172	ug/l	98
95) Naphthalene	15.13	128	967782	53.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	339859	51.365	ug/l	99

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

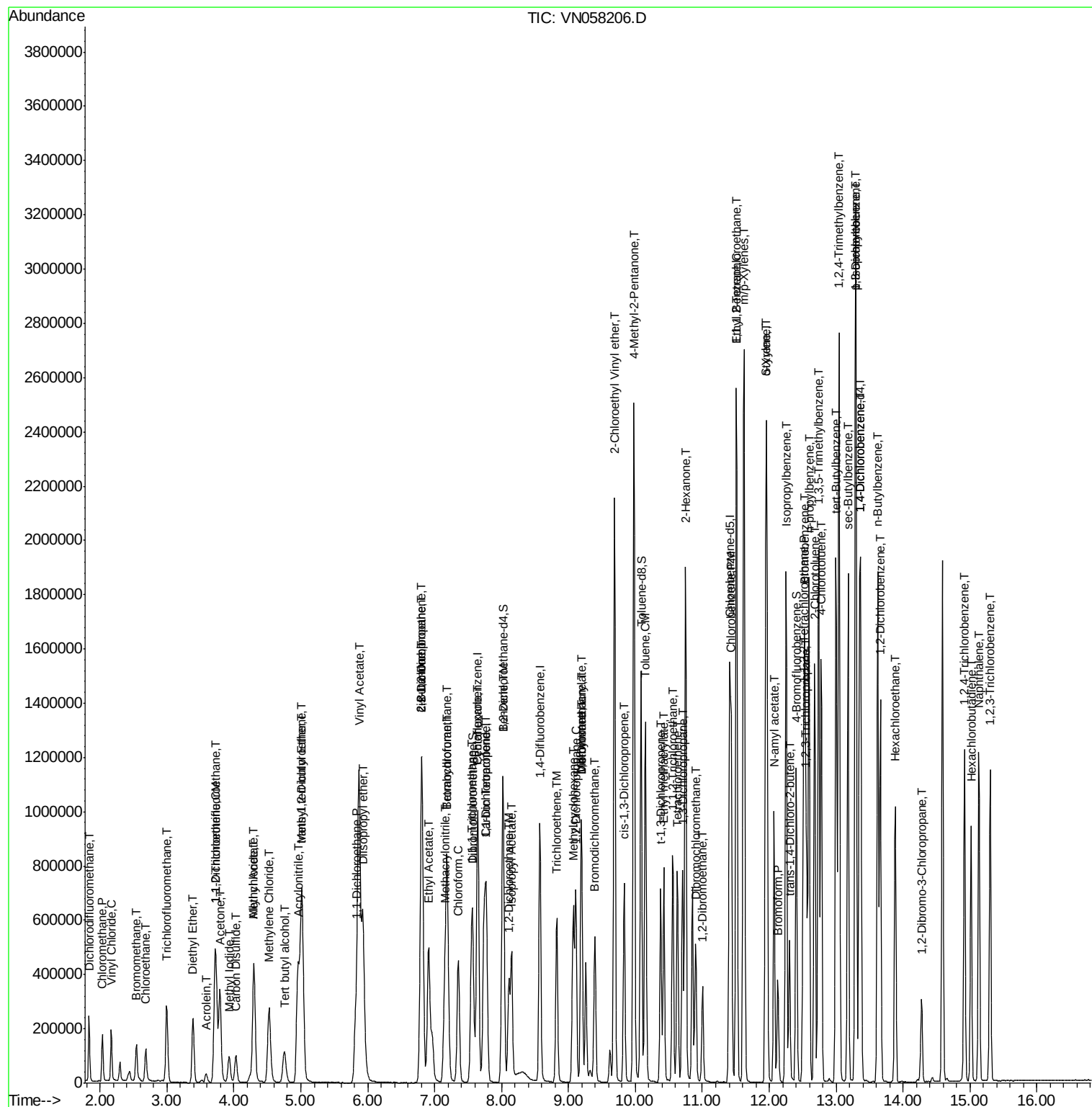
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
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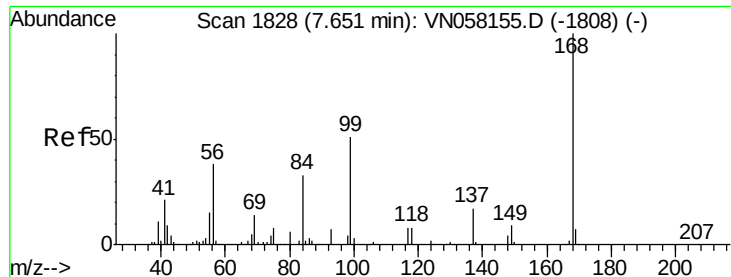
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 499753

Ion Ratio Lower Upper

168 100

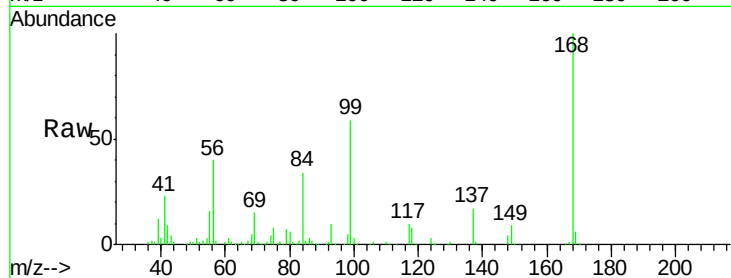
99 58.7 47.4 71.2

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

250000

200000

150000

100000

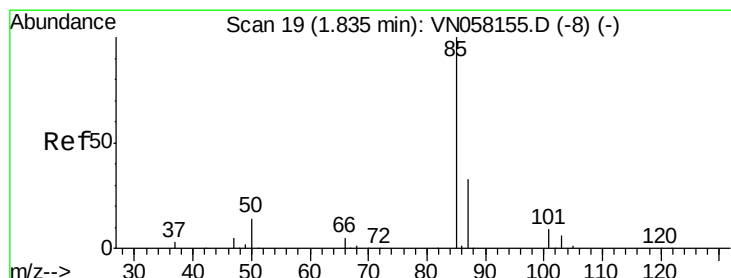
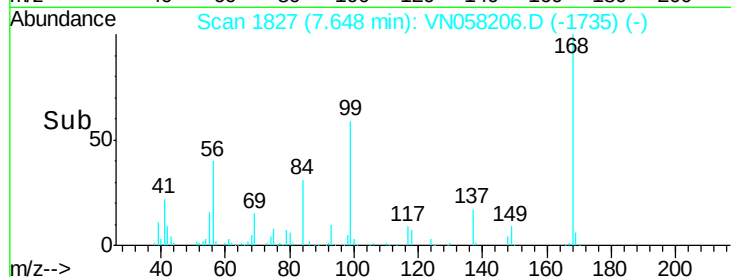
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.657 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058206.D

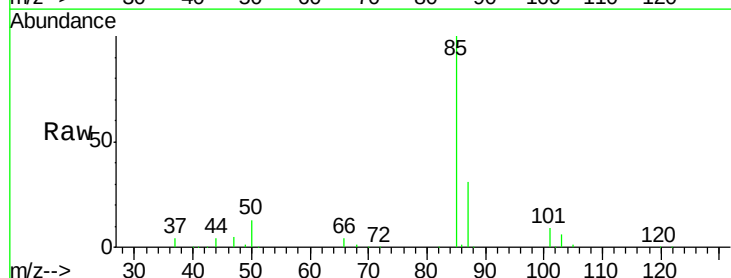
Acq: 19 Sep 2019 15:49

Tgt Ion: 85 Resp: 183333

Ion Ratio Lower Upper

85 100

87 31.3 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

150000

100000

50000

0

1.75

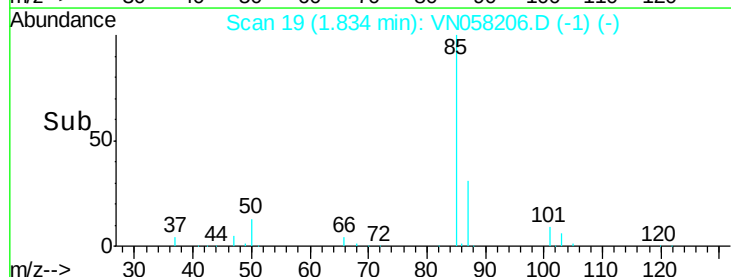
1.80

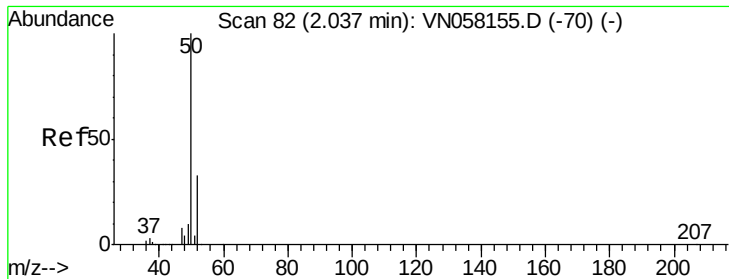
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 47.705 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 151109

Ion Ratio Lower Upper

50 100

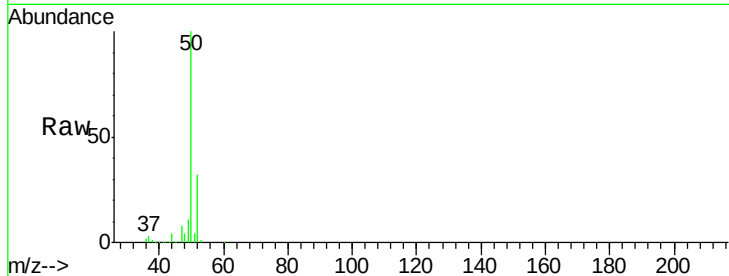
52 32.3 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

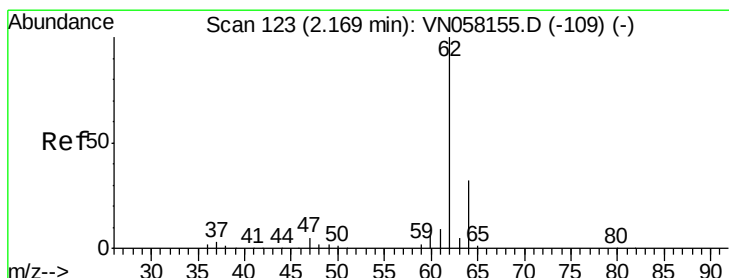
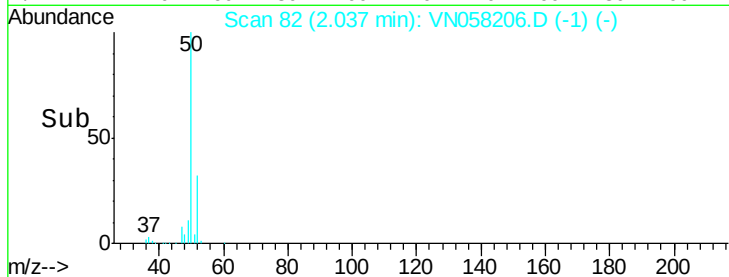
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 48.057 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058206.D

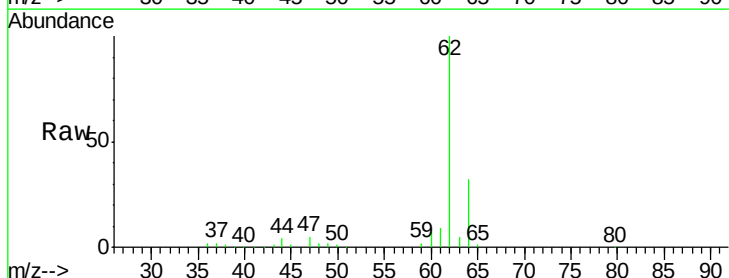
Acq: 19 Sep 2019 15:49

Tgt Ion: 62 Resp: 166417

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

120000

100000

80000

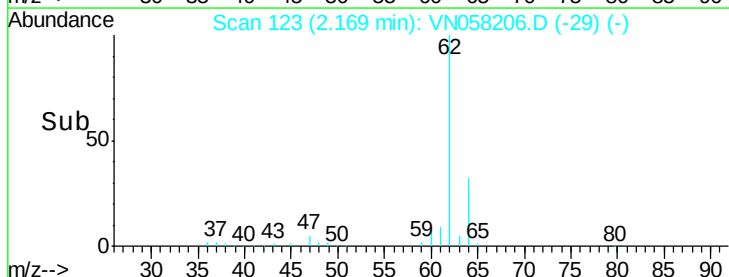
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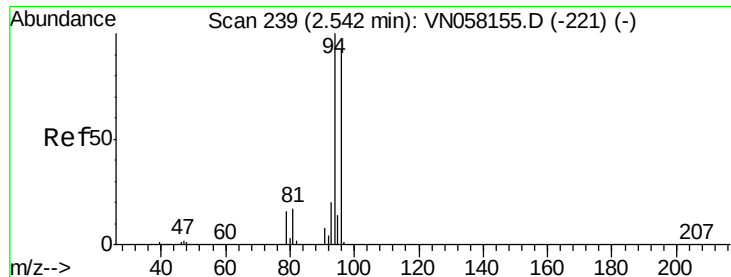
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 49.511 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 90681

Ion Ratio Lower Upper

94 100

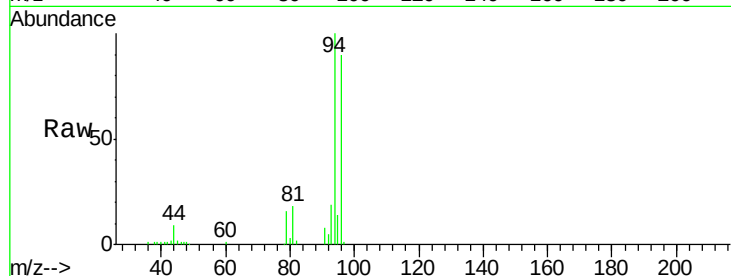
96 90.1 73.3 109.9

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

50000

40000

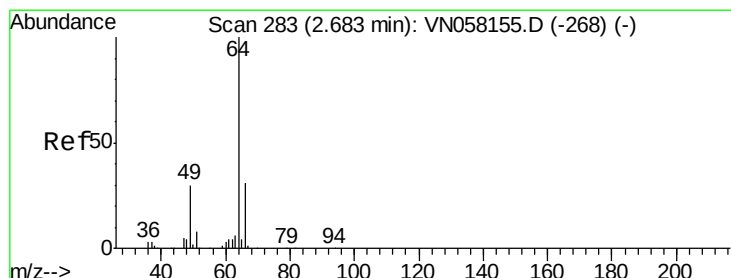
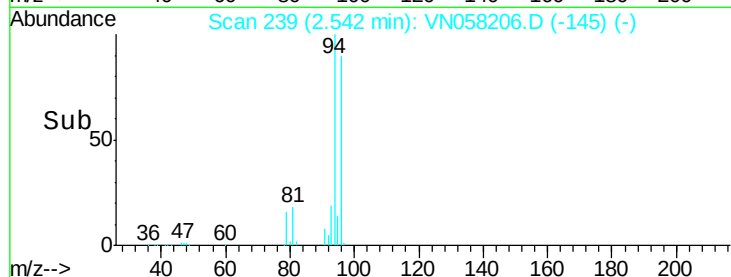
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 49.624 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058206.D

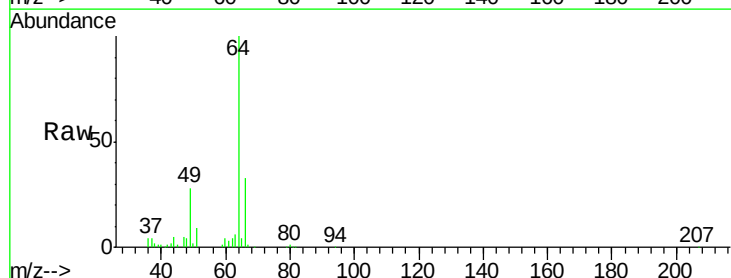
Acq: 19 Sep 2019 15:49

Tgt Ion: 64 Resp: 110026

Ion Ratio Lower Upper

64 100

66 32.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

60000

50000

40000

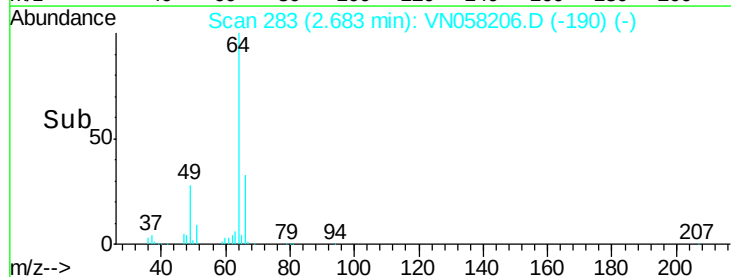
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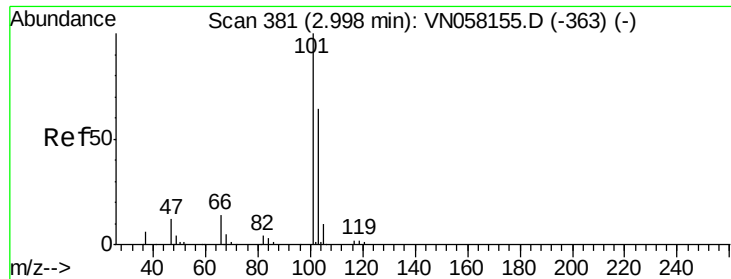
20000

10000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

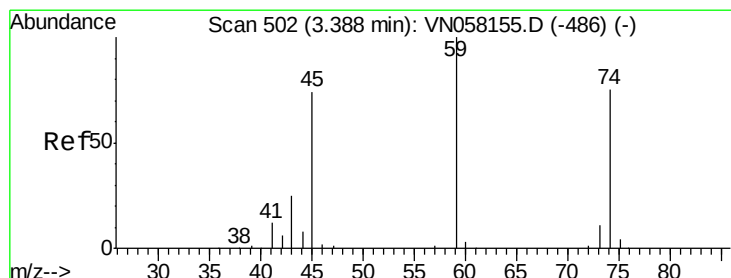
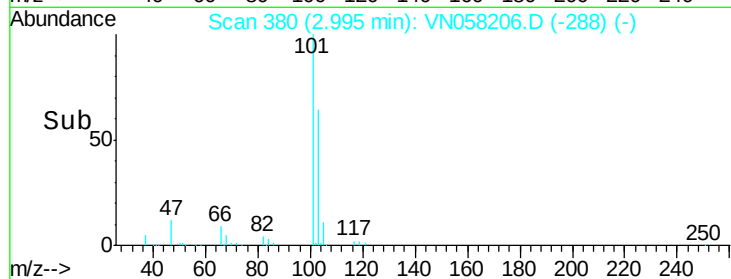
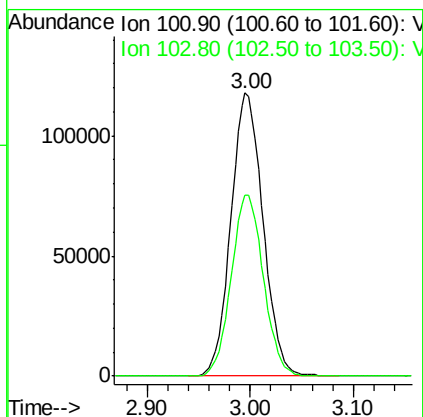
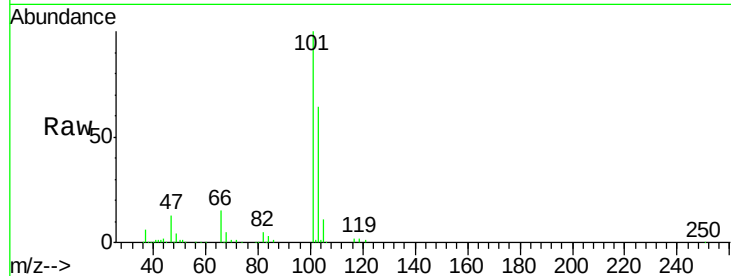
Trichlorofluoromethane
Concen: 45.726 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	256230		
103	63.9	51.0	76.6	

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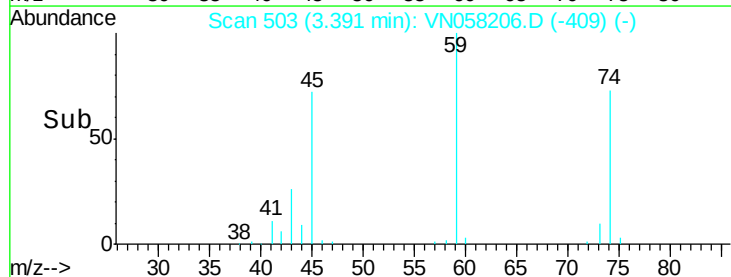
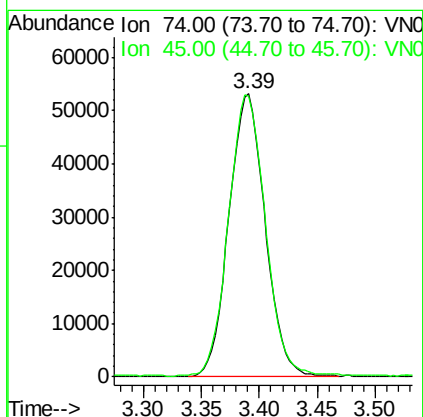
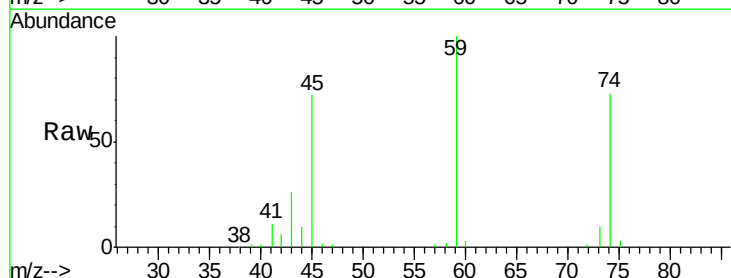
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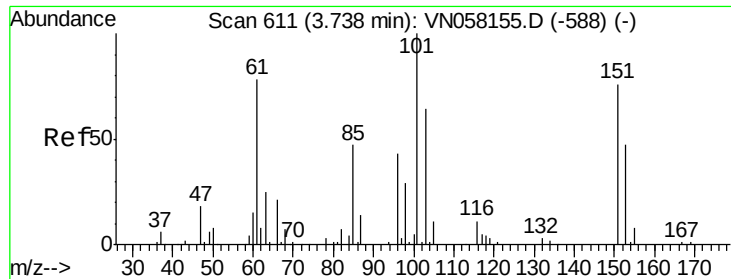


#8

Diethyl Ether
Concen: 45.105 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	115810		
45	100.5	48.5	145.5	





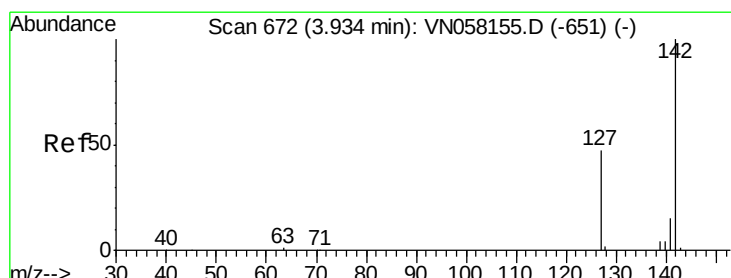
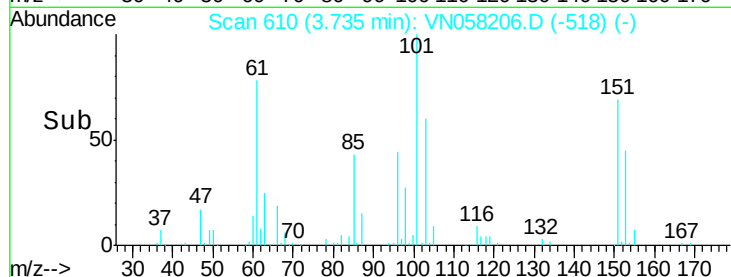
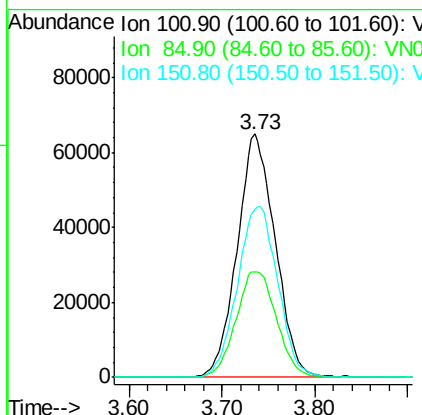
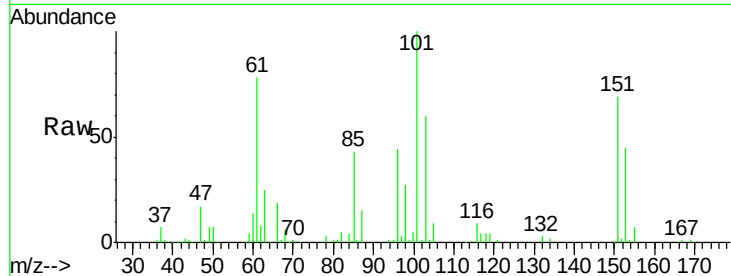
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.870 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	185321		
85	46.1		37.3	55.9
151	74.1		59.6	89.4

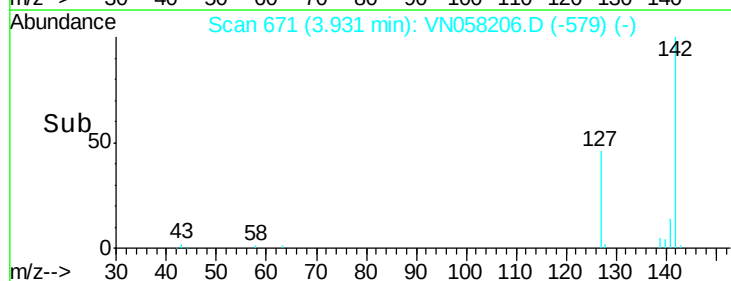
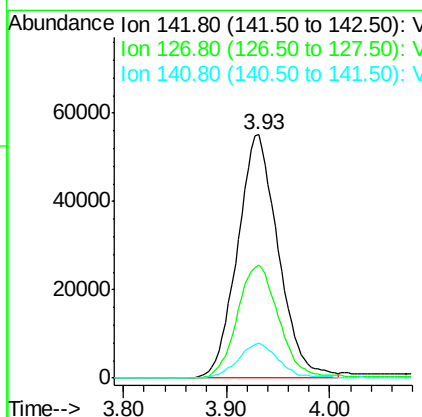
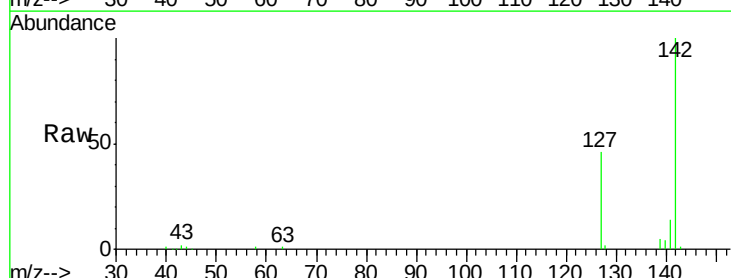
Manual Integrations
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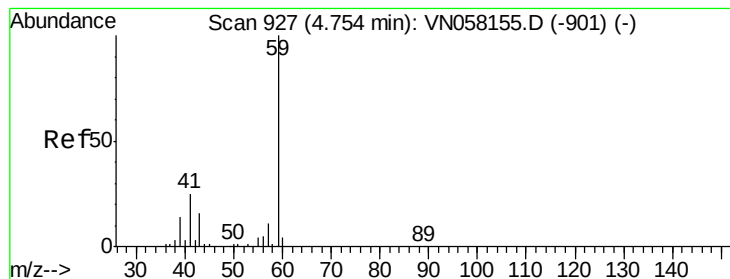
MMDadoda
 9/20/2019 3:37:34 PM



#10
 Methyl Iodide
 Concen: 44.817 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	151724		
127	47.5		37.5	56.3
141	14.3		11.4	17.2





#11

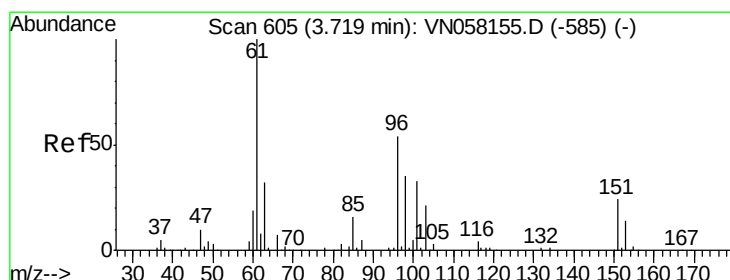
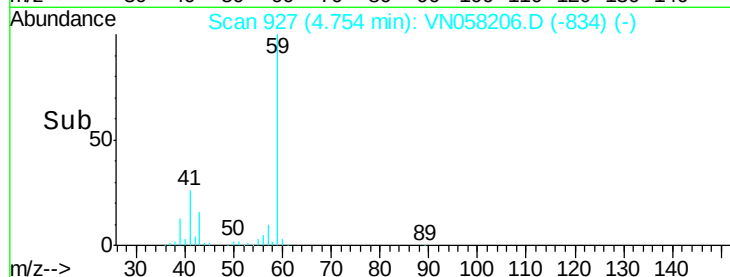
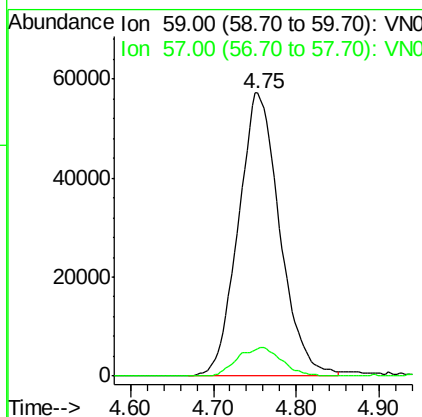
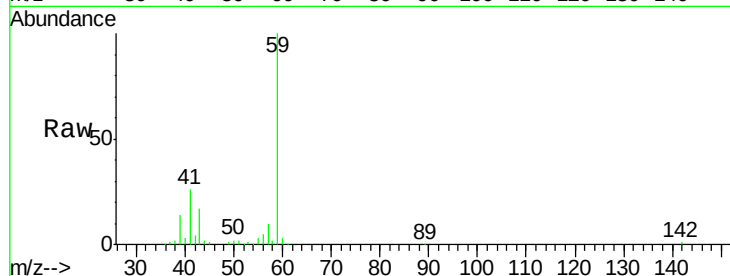
Tert butyl alcohol
 Concen: 239.796 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	198546		
57	3.3	8.6	13.0#	

Manual Integrations
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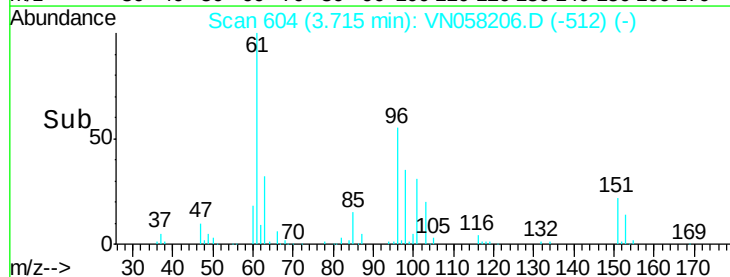
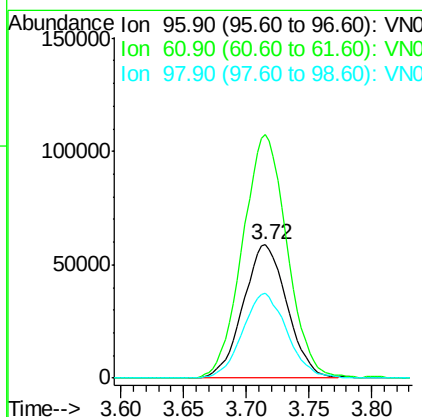
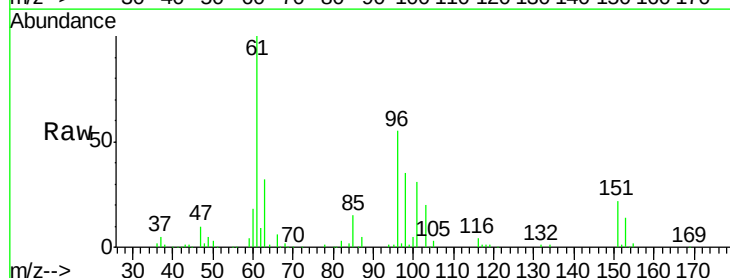
MMDadoda
 9/20/2019 3:37:34 PM

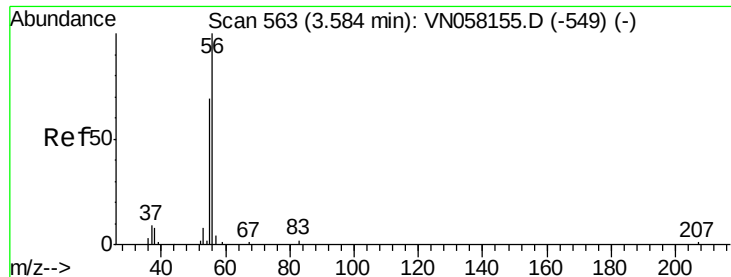


#12

1,1-Dichloroethene
 Concen: 46.730 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	143348		
61	183.1	149.5	224.3	
98	63.8	52.4	78.6	





#13

Acrolein

Concen: 290.612 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35659

Ion Ratio Lower Upper

56 100

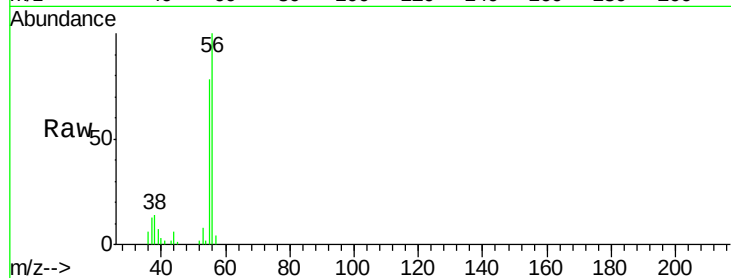
55 71.8 56.1 84.1

Manual Integrations

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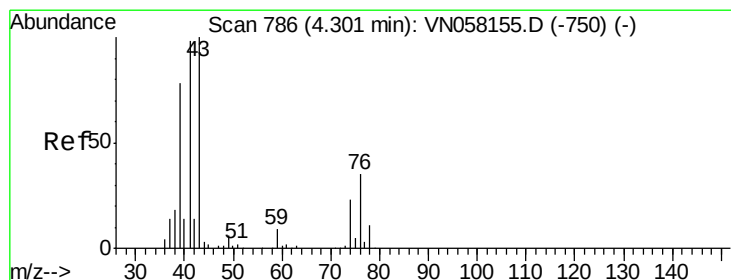
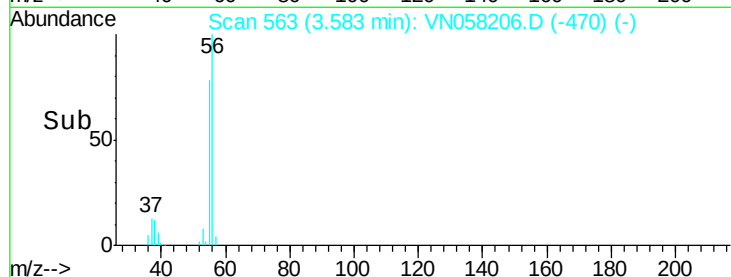
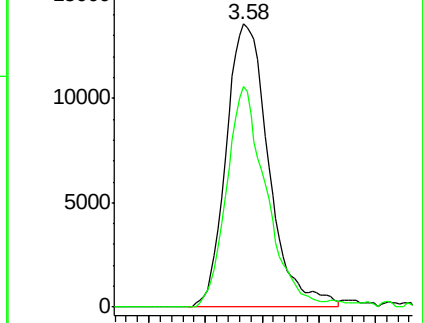
MMDadoda

9/20/2019 3:37:34 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.384 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

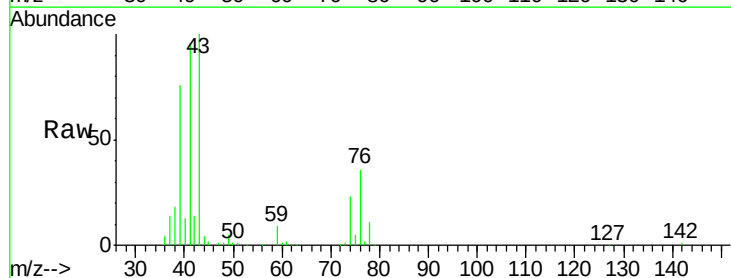
Tgt Ion: 41 Resp: 306643

Ion Ratio Lower Upper

41 100

39 73.9 59.1 88.7

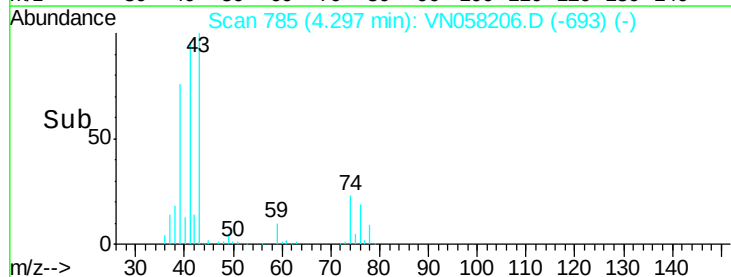
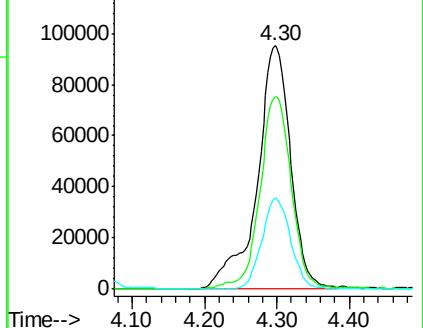
76 32.3 25.1 37.7

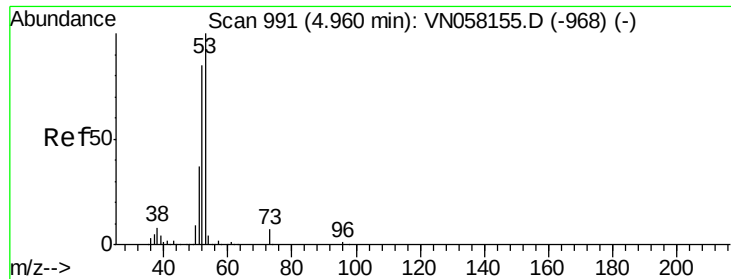


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.652 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

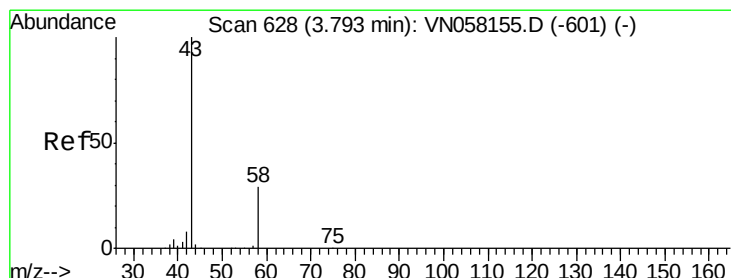
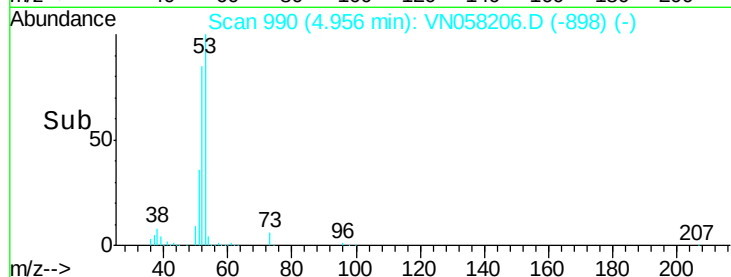
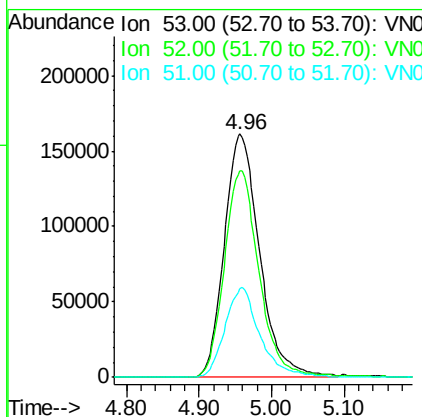
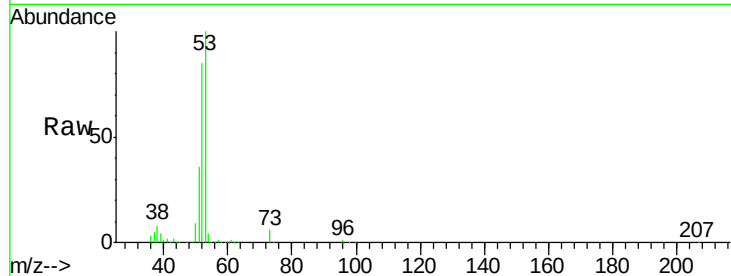
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	546312
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 236.734 ug/l

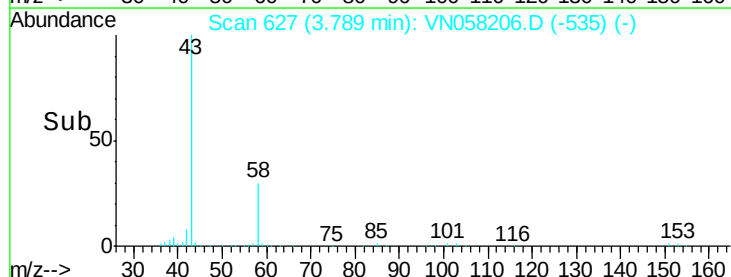
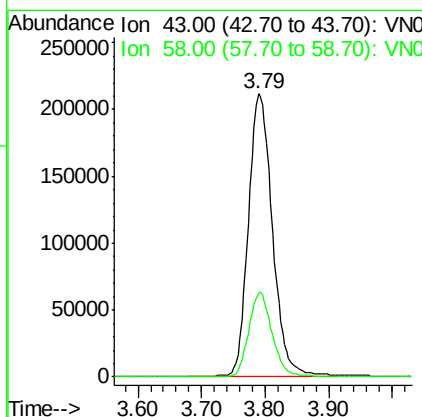
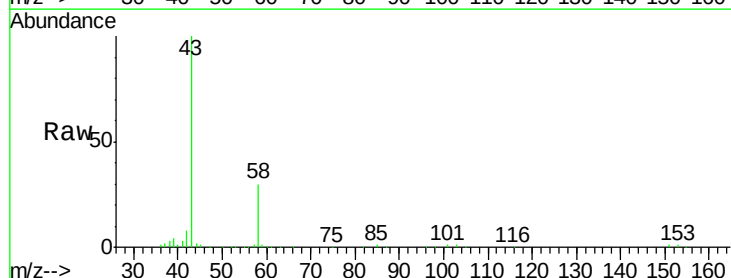
RT: 3.79 min Scan# 627

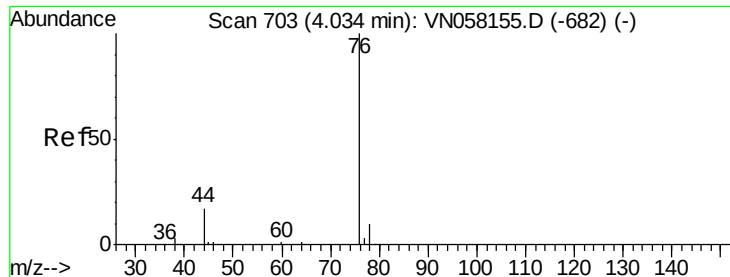
Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion:	43	Resp:	559331
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.4	35.2





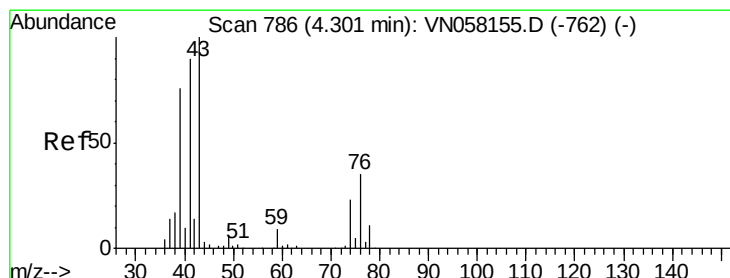
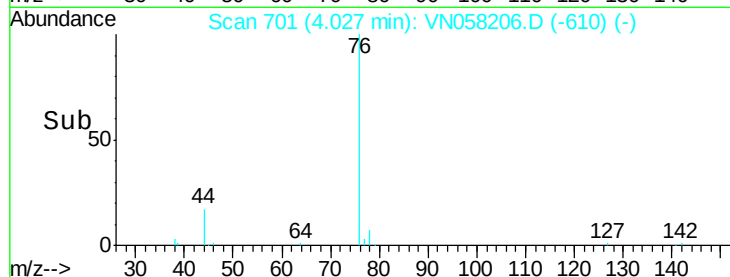
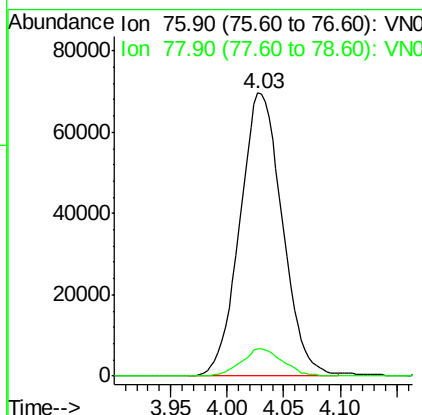
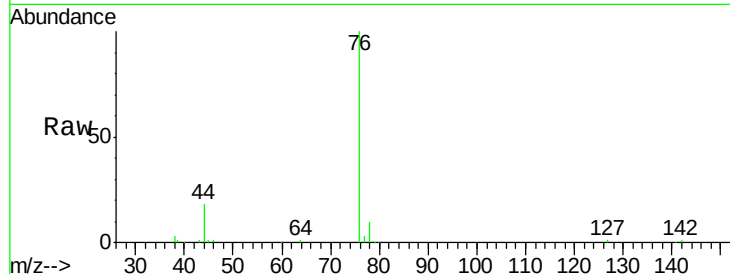
#17
Carbon Disulfide
Concen: 42.215 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.7	11.5

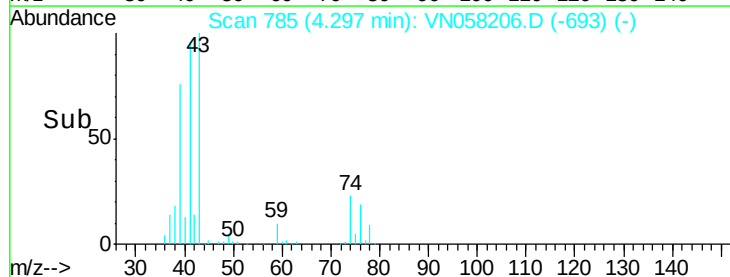
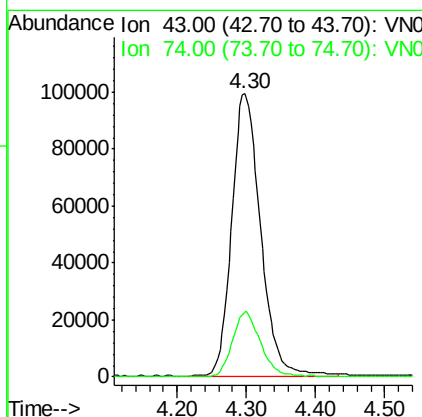
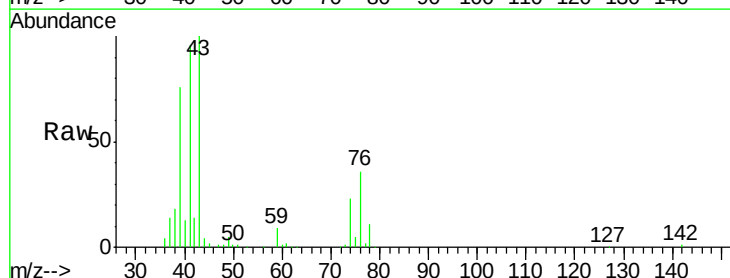
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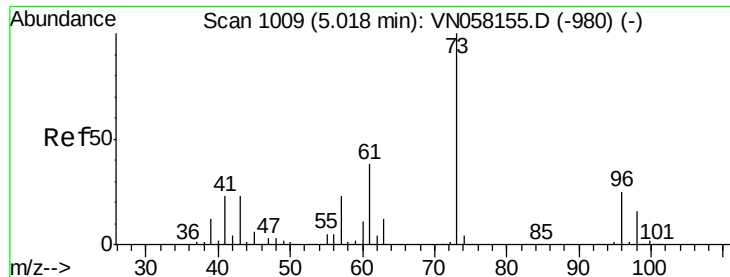
MMDadoda
9/20/2019 3:37:34 PM



#18
Methyl Acetate
Concen: 46.287 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.0	27.0





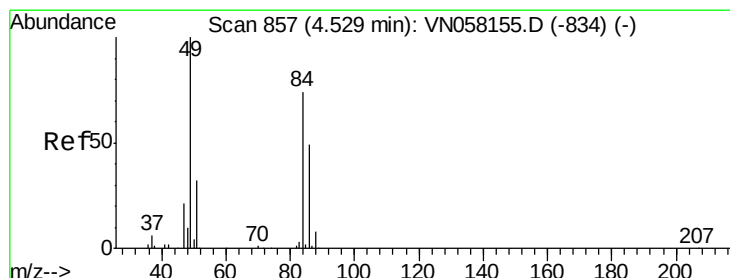
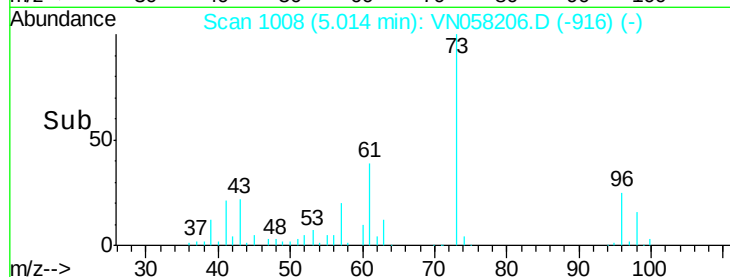
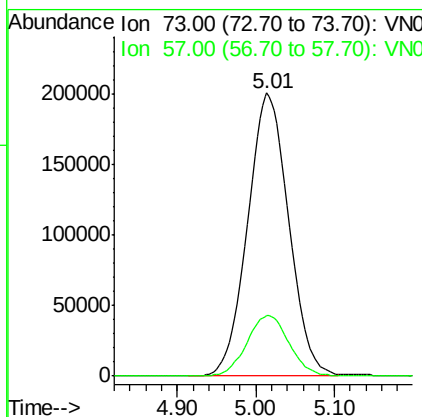
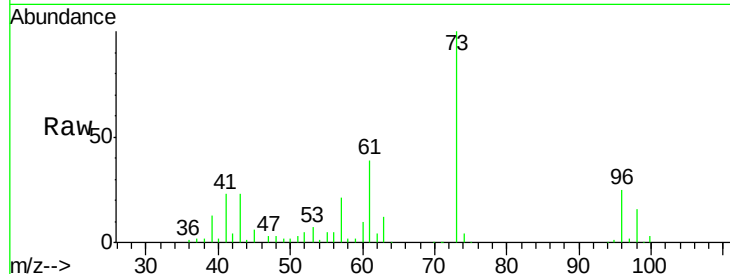
#19
Methyl tert-butyl Ether
Concen: 48.483 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 738790
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1

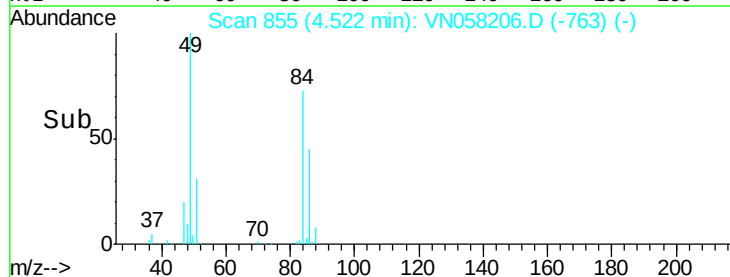
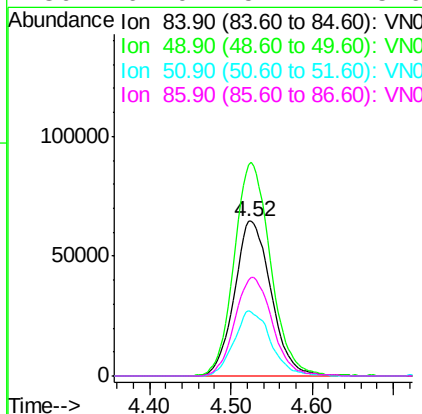
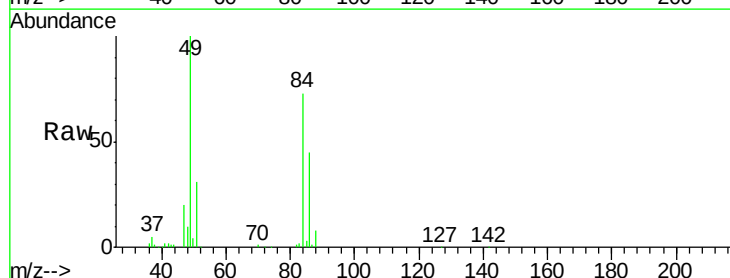
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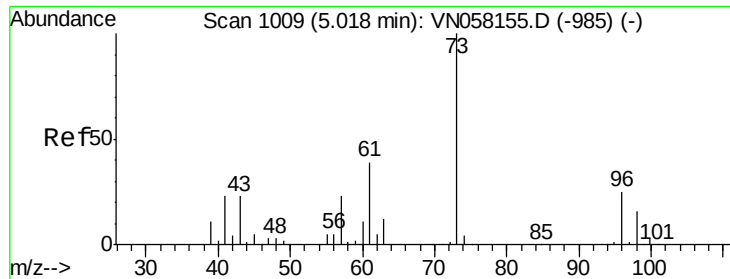
MMDadoda
9/20/2019 3:37:34 PM



#20
Methylene Chloride
Concen: 48.742 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 84 Resp: 201648
Ion Ratio Lower Upper
84 100
49 136.6 107.5 161.3
51 42.6 33.9 50.9
86 62.0 52.4 78.6





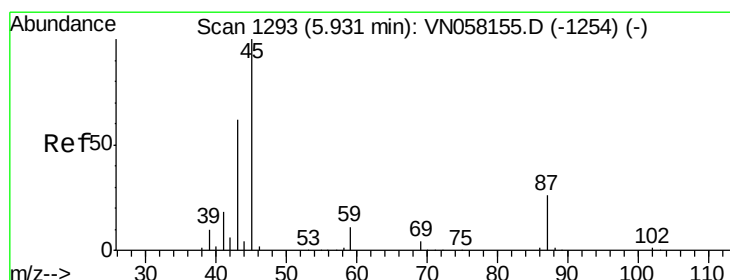
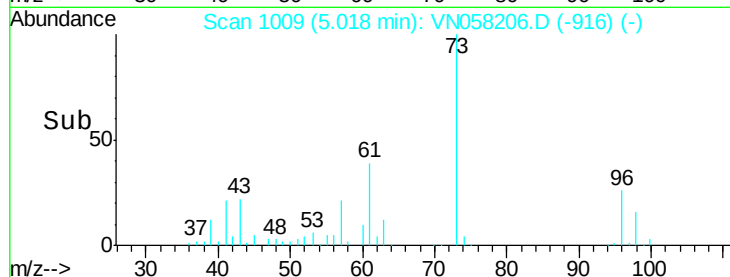
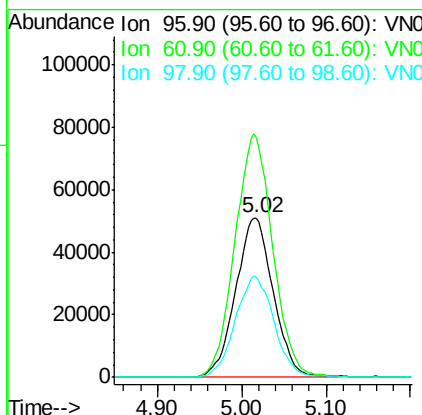
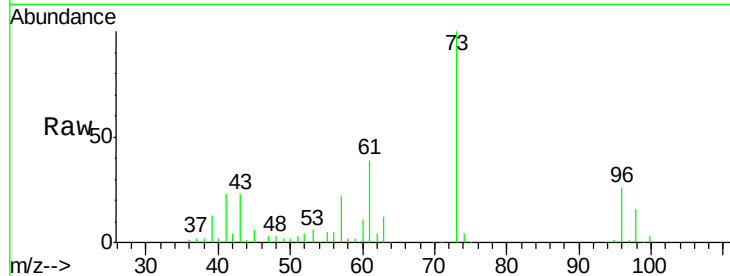
#21
trans-1,2-Dichloroethene
Concen: 47.364 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	122.2	183.4
98	63.0	49.9	74.9

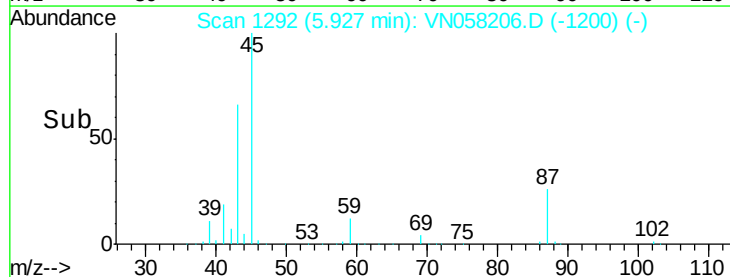
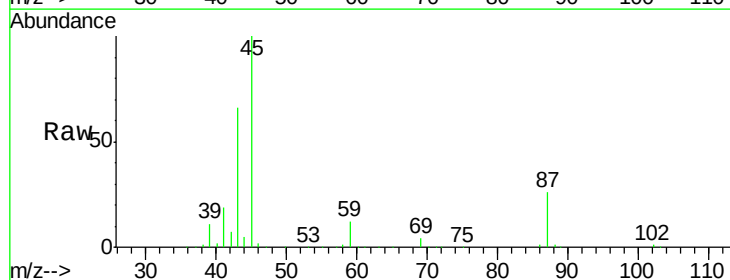
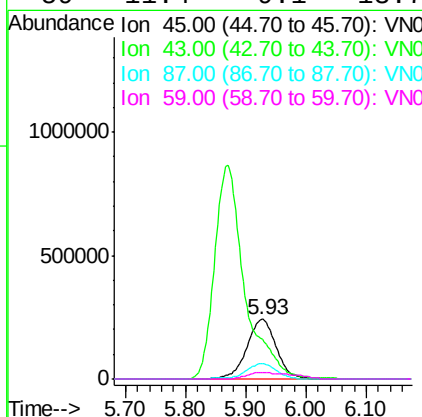
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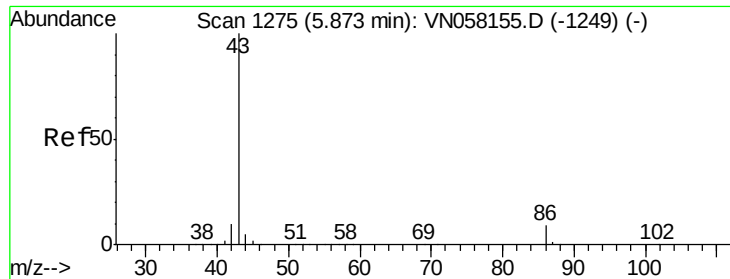
MMDadoda
9/20/2019 3:37:34 PM



#22
Diisopropyl ether
Concen: 49.190 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	49.7	74.5
87	25.6	20.7	31.1
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 259.455 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2981380

Ion Ratio Lower Upper

43 100

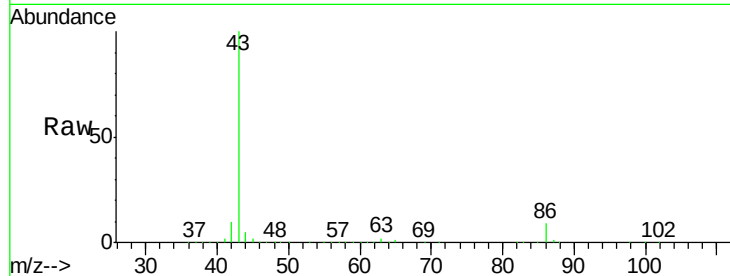
86 9.2 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

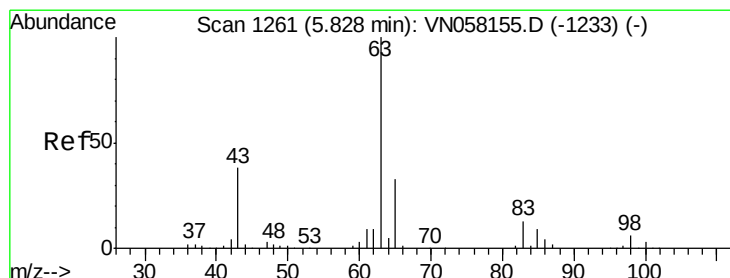
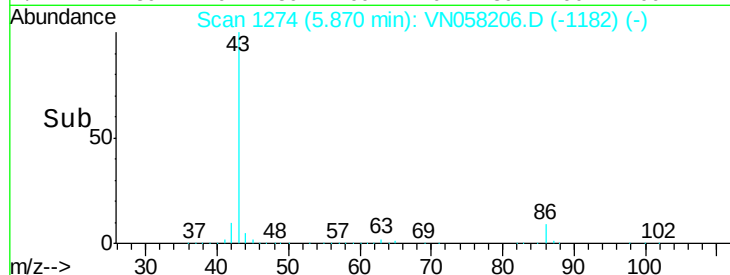
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.488 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

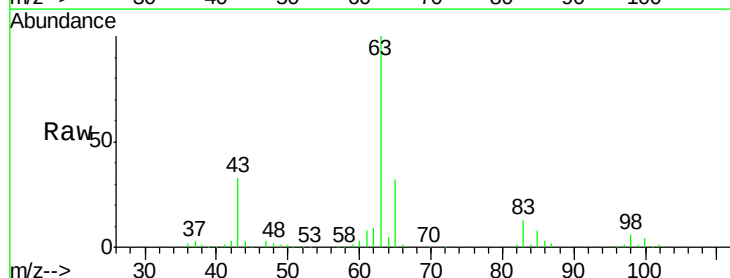
Tgt Ion: 63 Resp: 425630

Ion Ratio Lower Upper

63 100

98 6.4 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

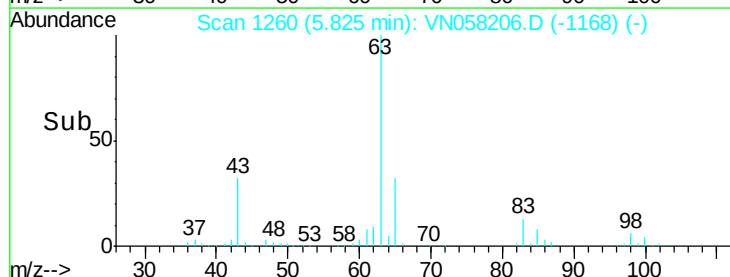
150000

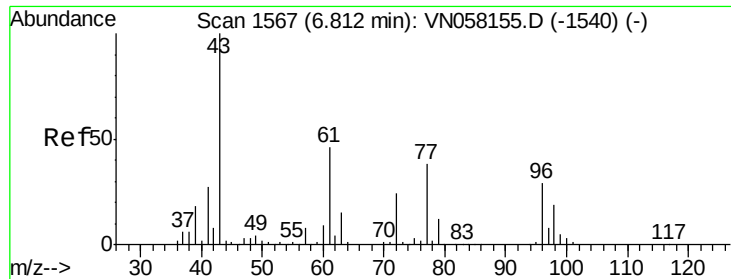
100000

50000

0

Time-->





#25

2-Butanone

Concen: 249.890 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 804370

Ion Ratio Lower Upper

43 100

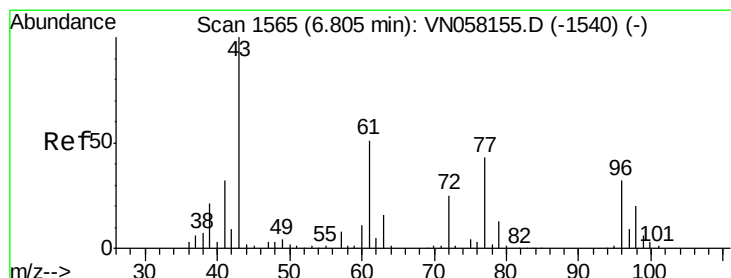
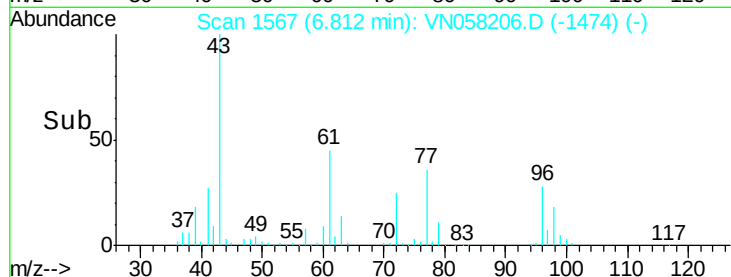
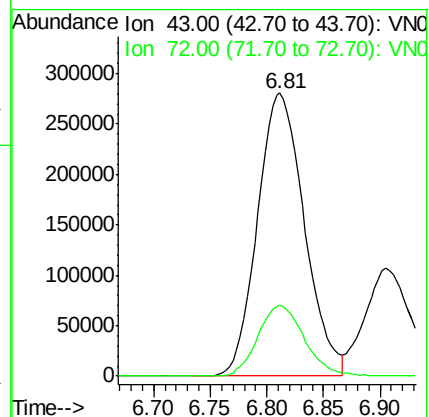
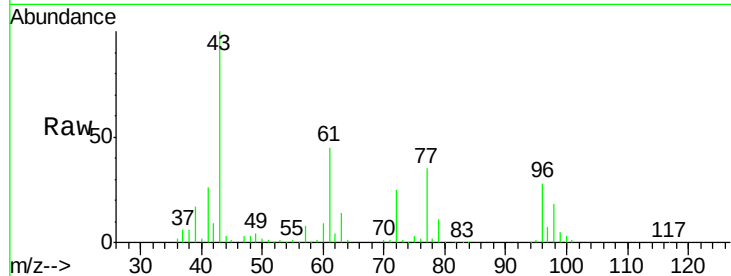
72 25.1 19.5 29.3

Manual Integrations

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MMDadoda

9/20/2019 3:37:34 PM



#26

2,2-Dichloropropane

Concen: 46.721 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058206.D

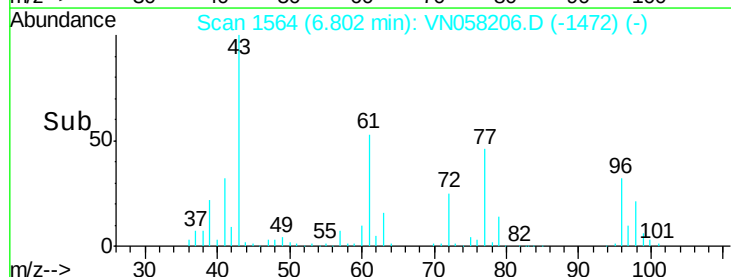
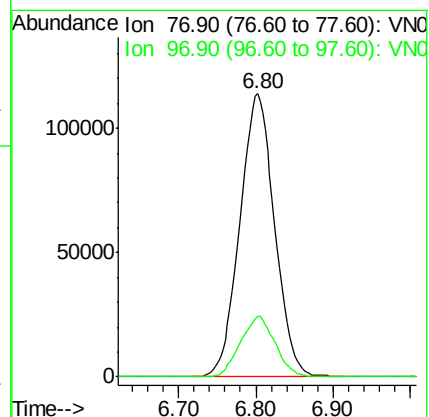
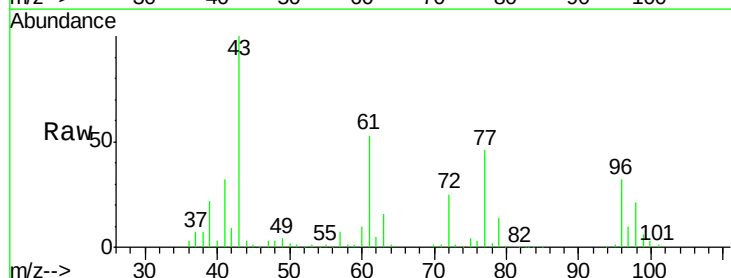
Acq: 19 Sep 2019 15:49

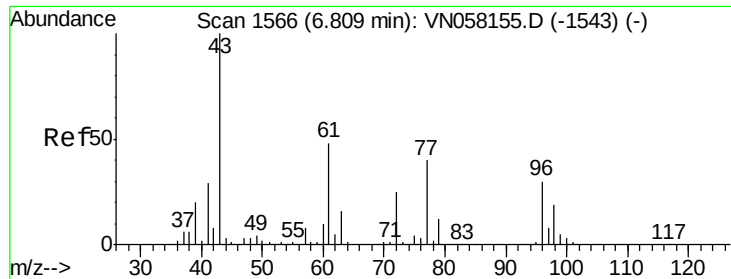
Tgt Ion: 77 Resp: 355256

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.6





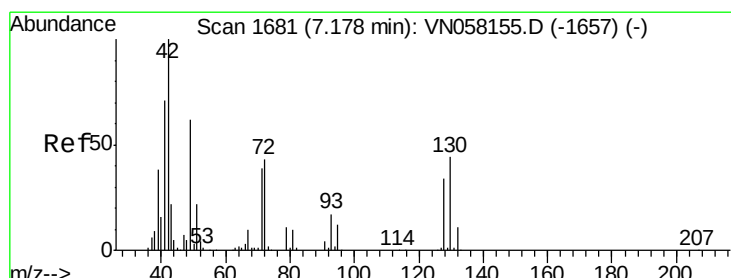
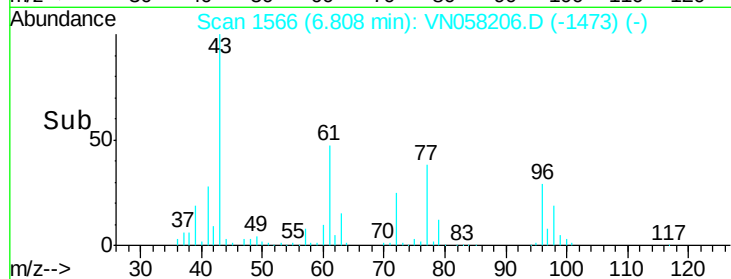
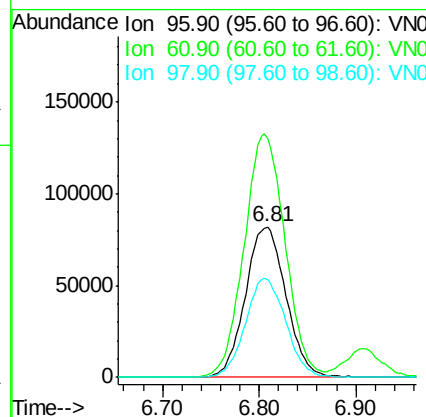
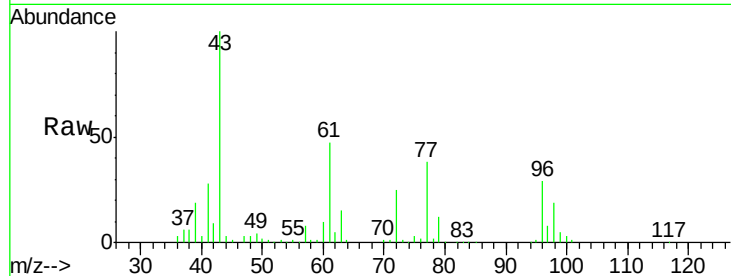
#27
 cis-1,2-Dichloroethene
 Concen: 47.051 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.2	0.0	319.0	
98	65.6	0.0	126.6	

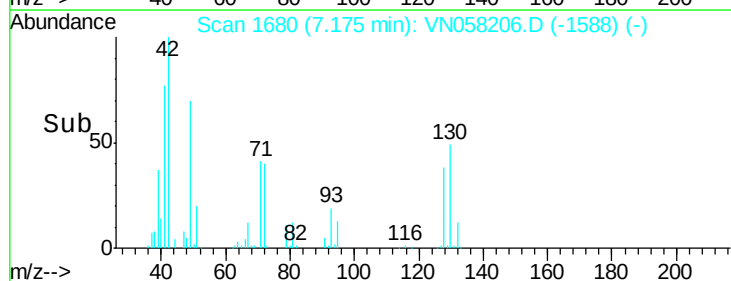
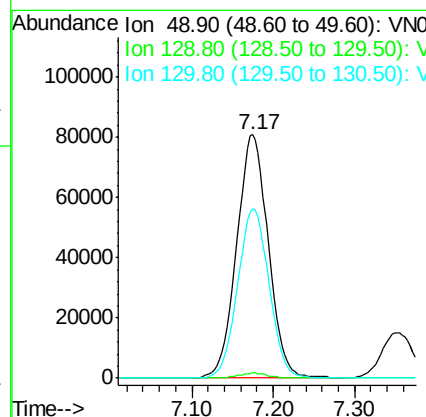
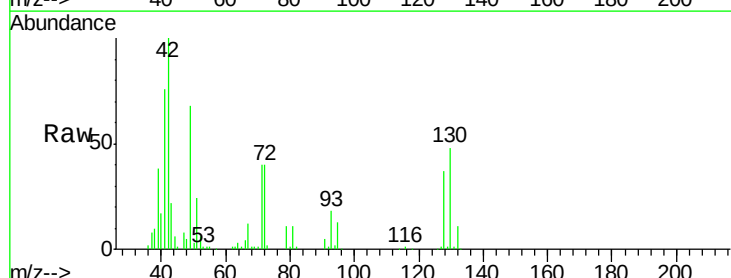
Manual Integrations
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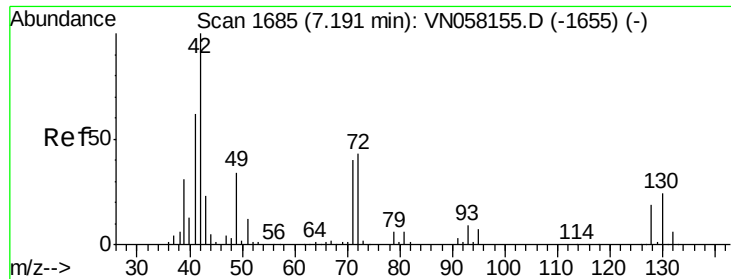
MMDadoda
 9/20/2019 3:37:34 PM



#28
 Bromochloromethane
 Concen: 51.460 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	1.8#	
130	69.1	55.4	83.2	





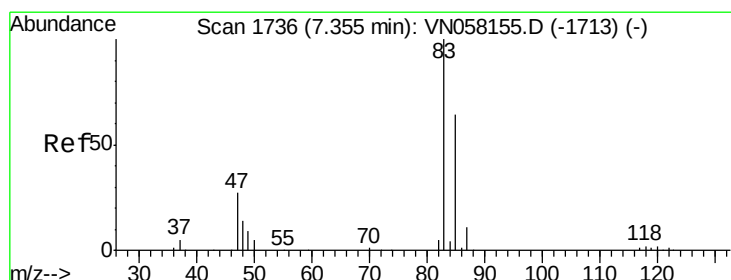
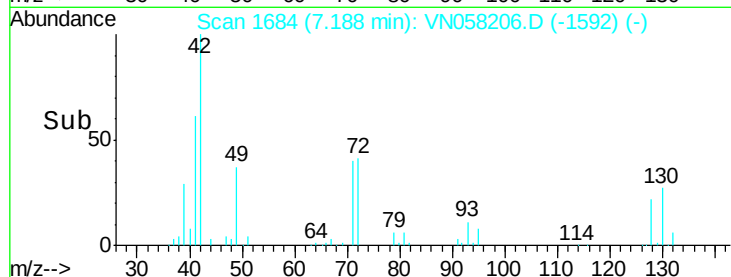
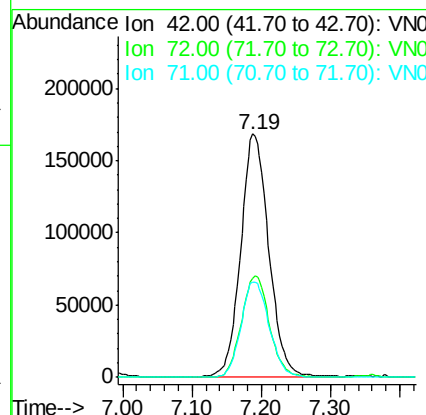
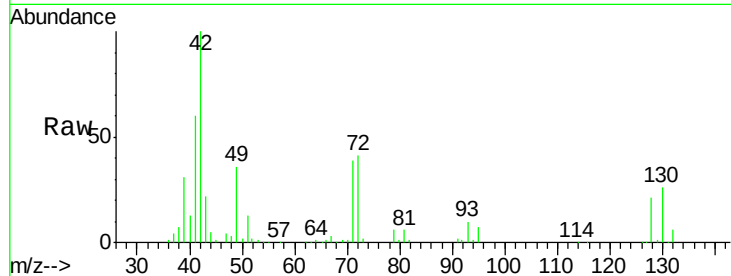
#29
Tetrahydrofuran
Concen: 239.551 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.8	50.6
71	39.5	31.4	47.0

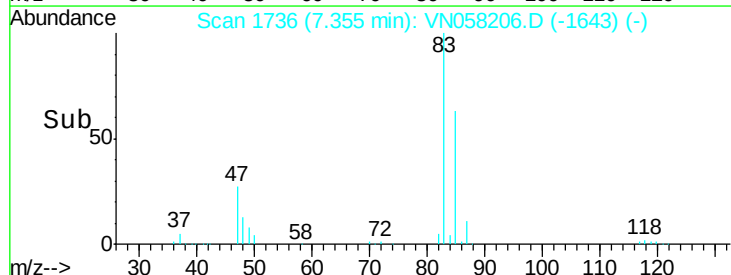
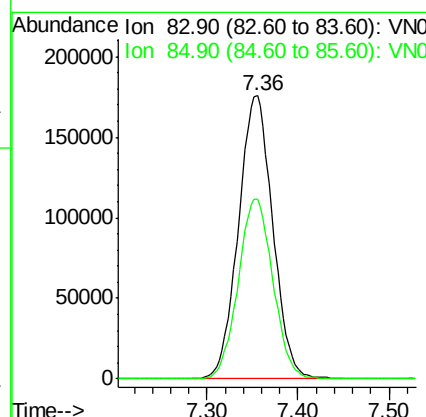
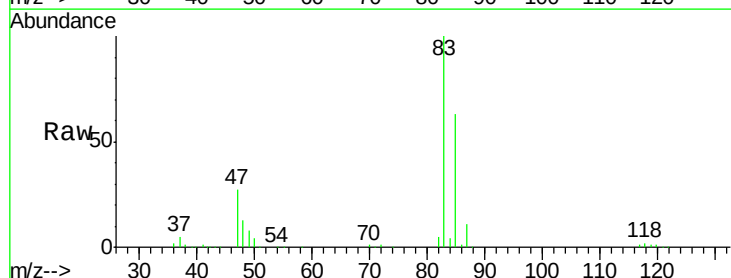
Manual Integrations
APPROVED

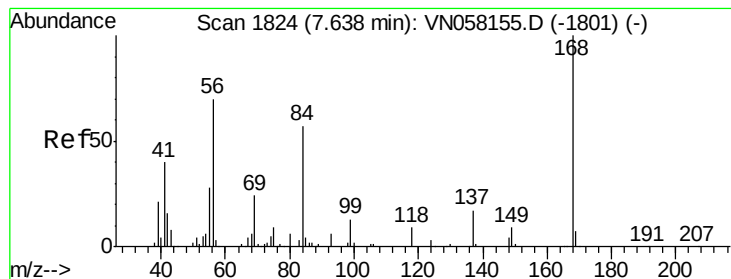
MMDadoda
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#30
Chloroform
Concen: 47.722 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2





#31

Cyclohexane

Concen: 47.390 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

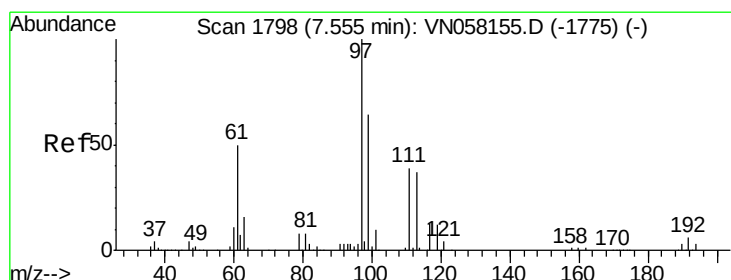
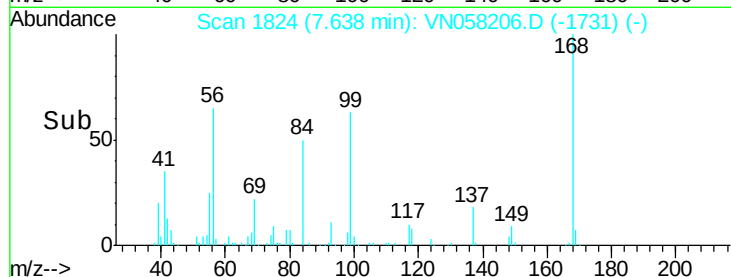
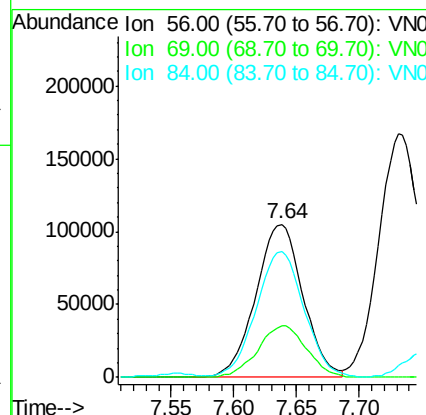
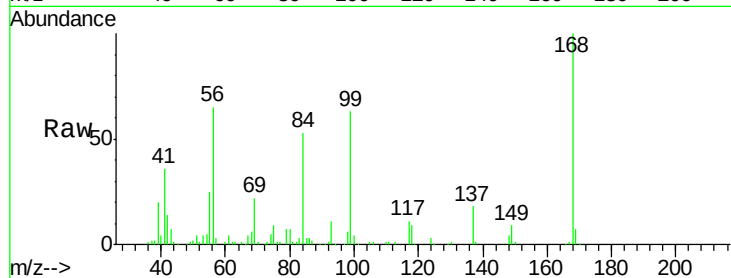
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	275292
Ion Ratio	Lower	Upper	
56	100		
69	33.9	27.3	40.9
84	80.3	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.944 ug/l

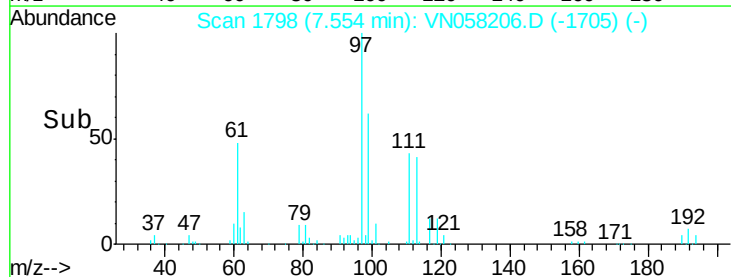
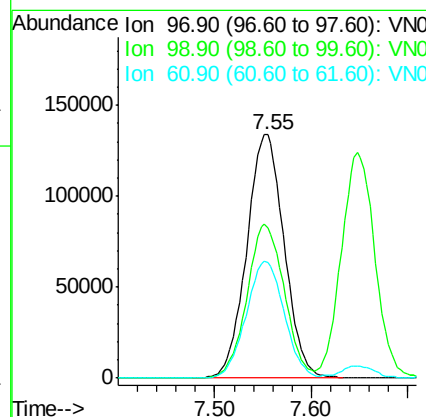
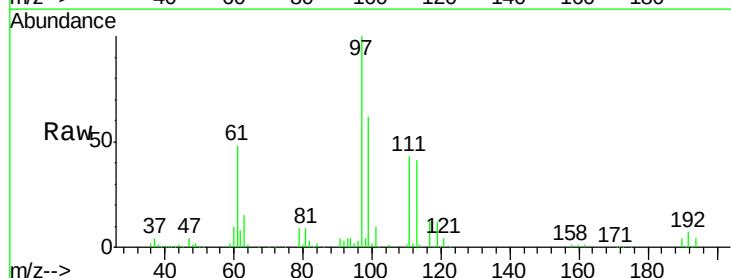
RT: 7.55 min Scan# 1798

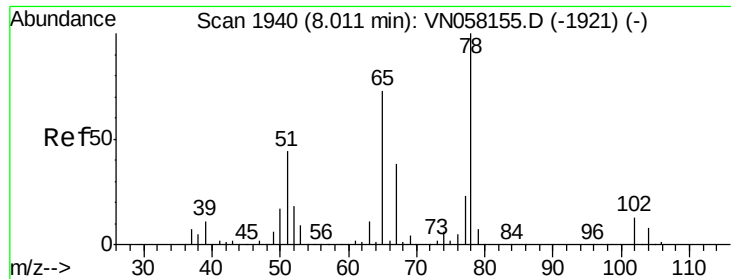
Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion:	97	Resp:	359475
Ion Ratio	Lower	Upper	
97	100		
99	63.1	50.9	76.3
61	48.8	39.2	58.8





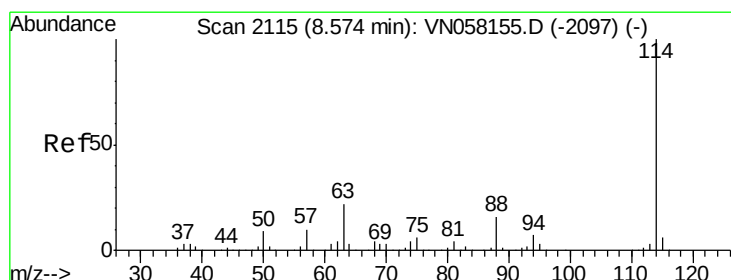
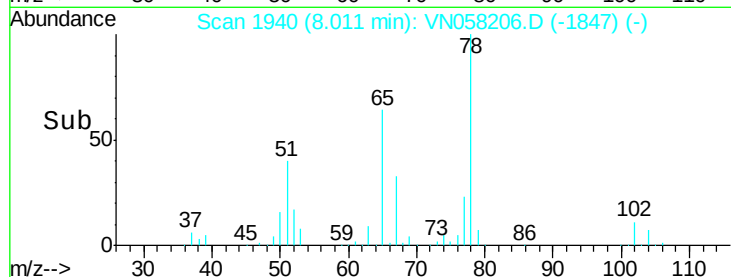
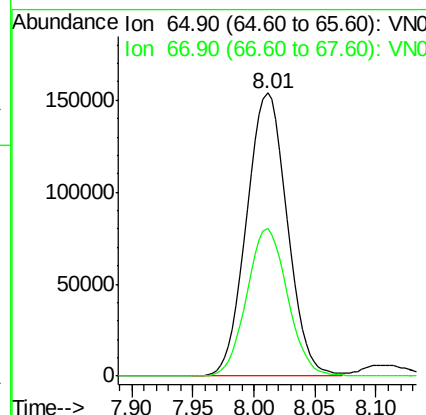
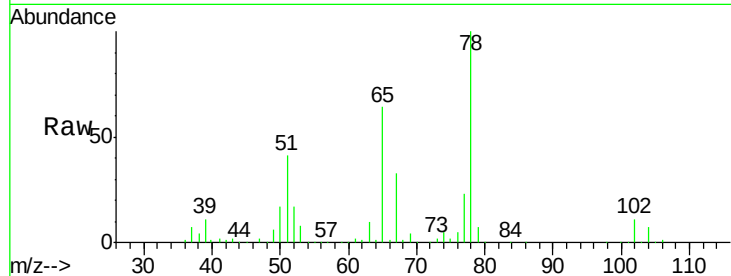
#33
 1,2-Dichloroethane-d4
 Concen: 51.046 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.4	

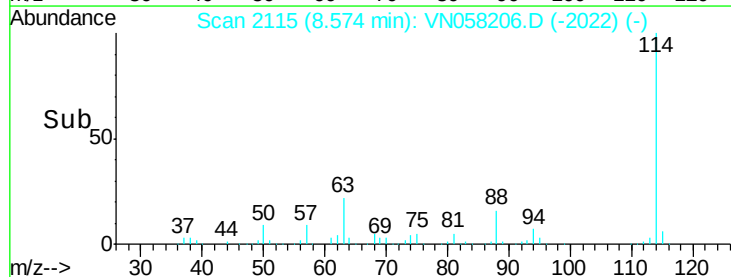
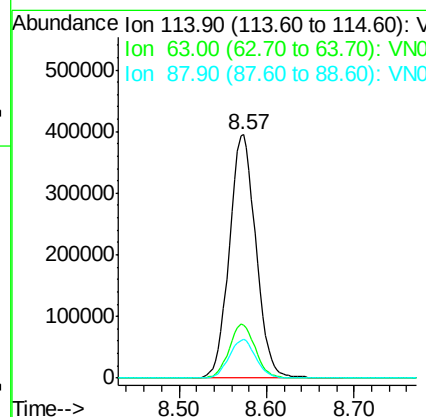
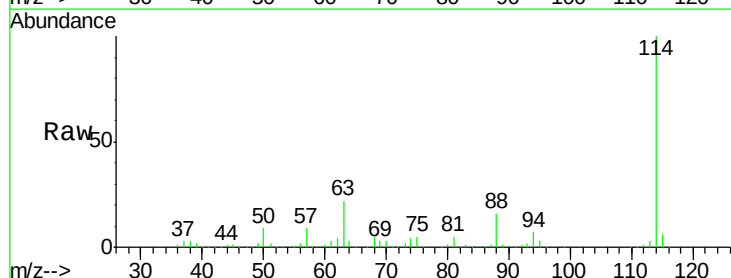
Manual Integrations
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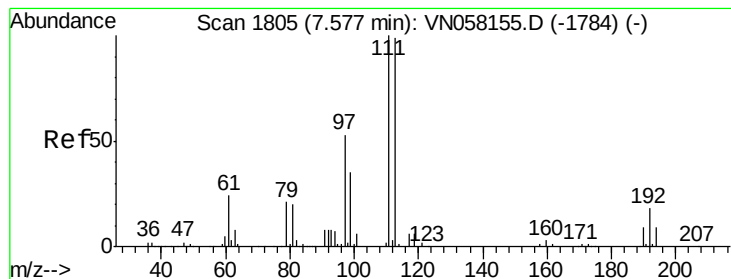
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	44.2	
88	15.9	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.645 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

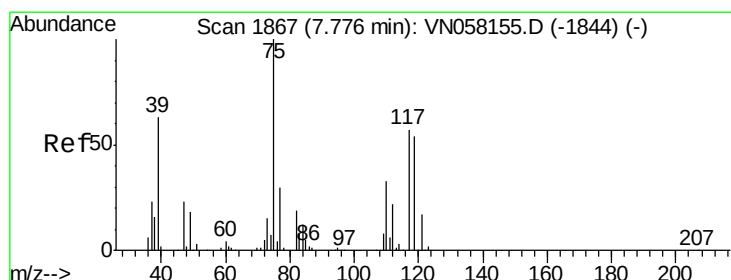
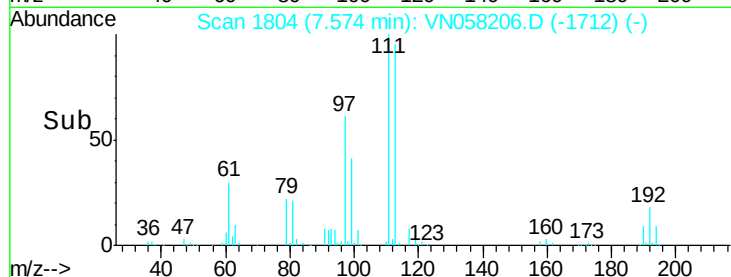
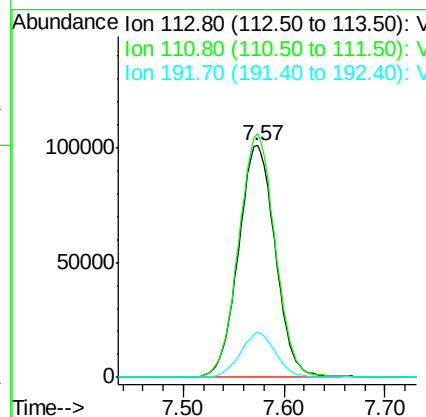
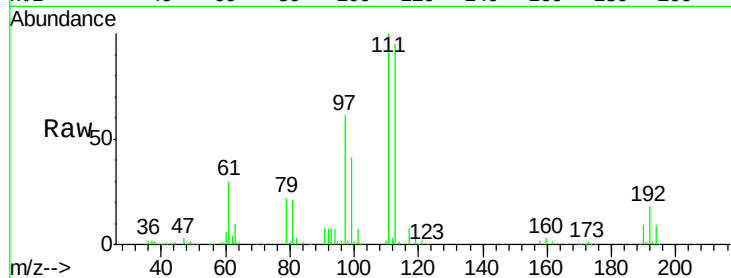
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	256021
Ion Ratio	Lower	Upper	
113	100		
111	104.6	81.8	122.6
192	18.4	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.071 ug/l

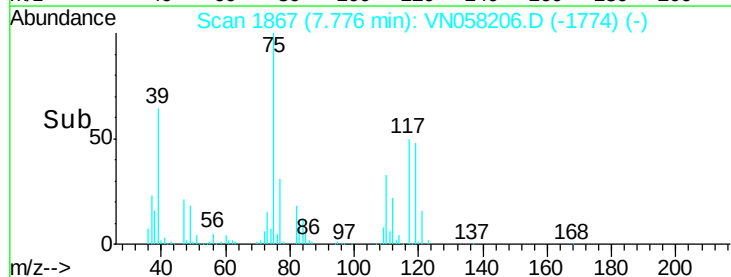
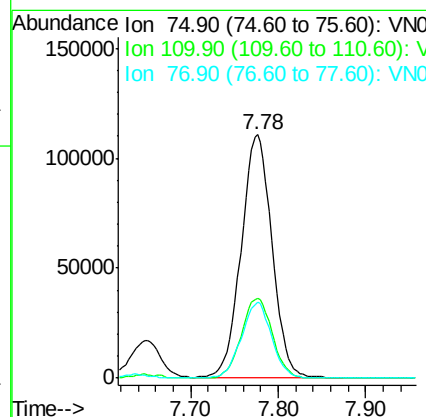
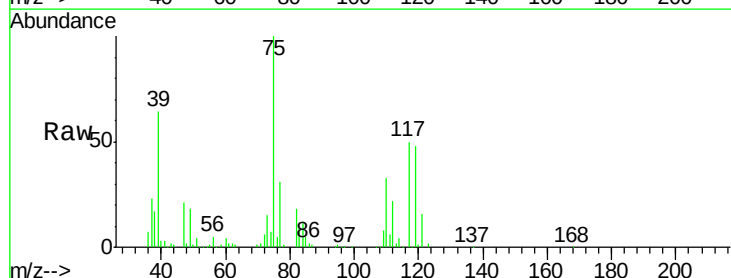
RT: 7.78 min Scan# 1867

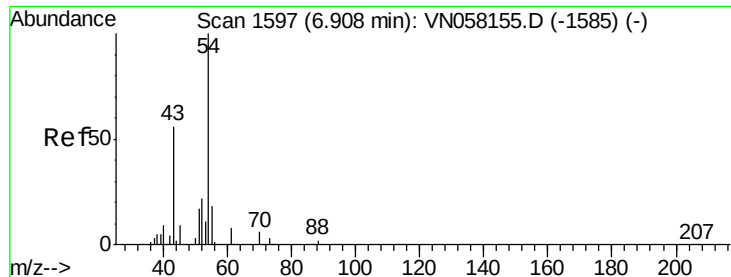
Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion:	75	Resp:	270280
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.6	49.7
77	30.7	24.3	36.5





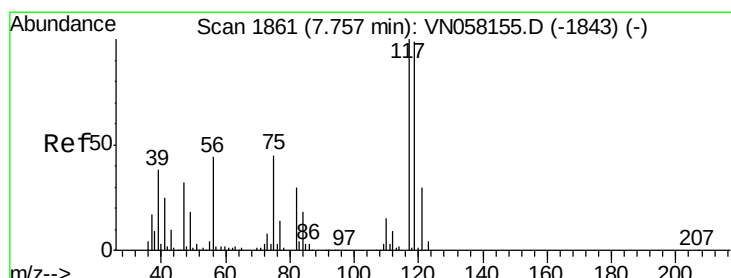
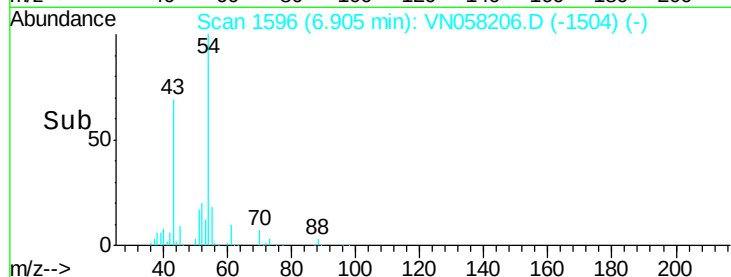
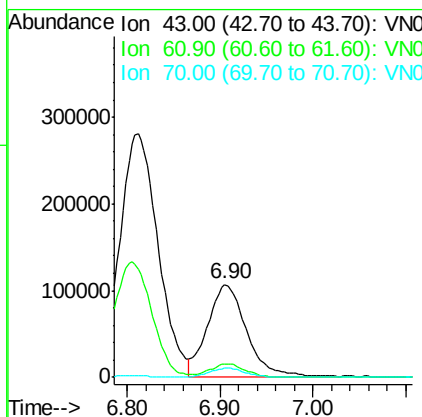
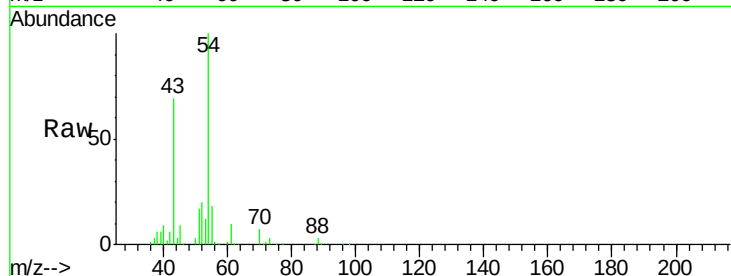
#37
Ethyl Acetate
Concen: 49.258 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.4	10.7	16.1	
70	9.3	7.6	11.4	

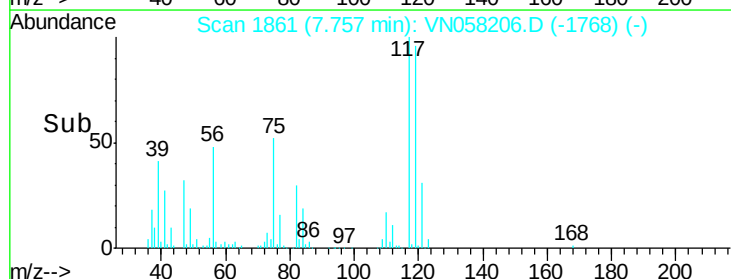
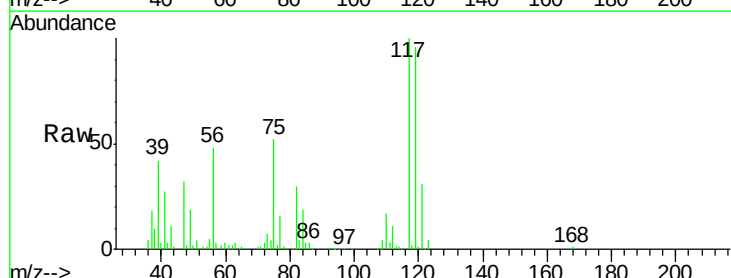
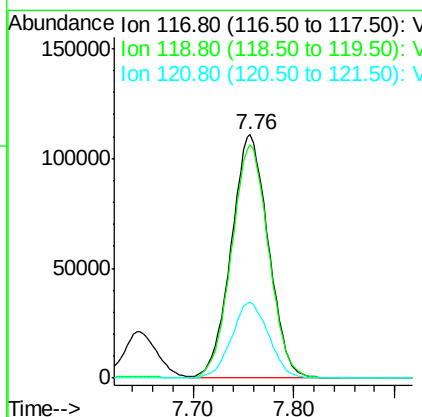
Manual Integrations
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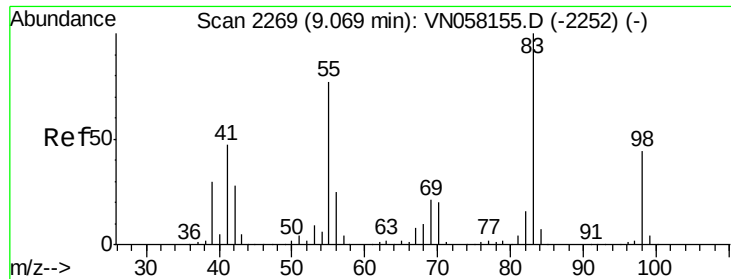
MMDadoda
9/20/2019 3:37:34 PM



#38
Carbon Tetrachloride
Concen: 46.970 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.7	78.6	117.8	
121	31.1	24.1	36.1	





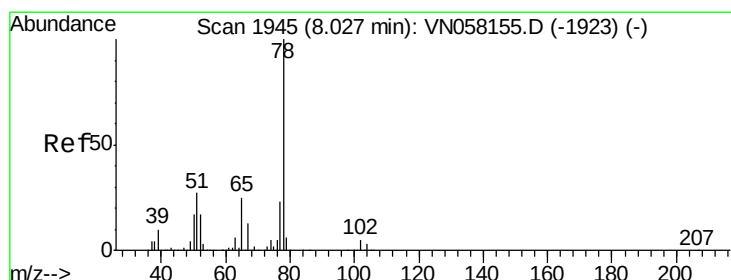
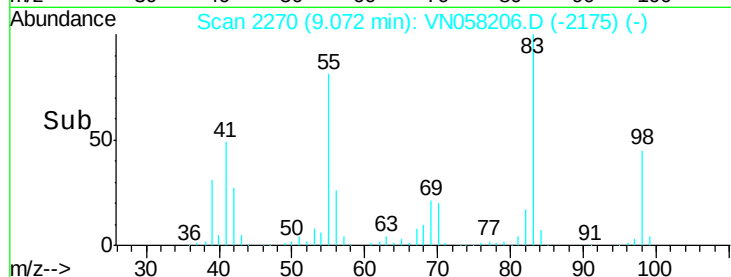
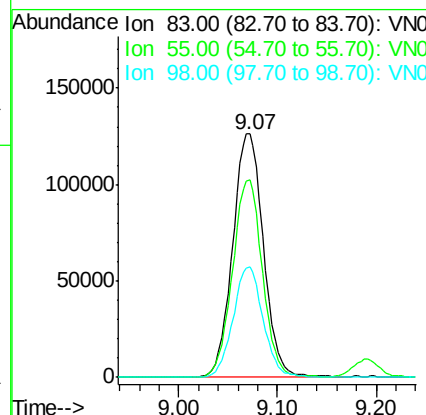
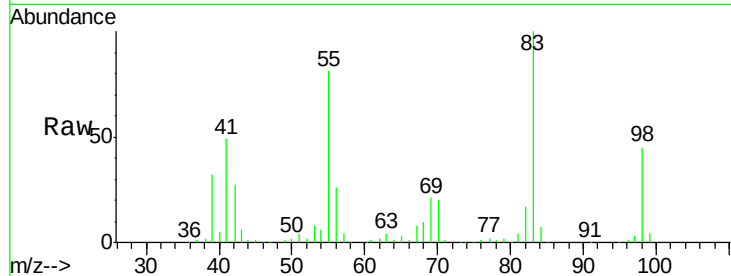
#39
Methylvlcyclohexane
Concen: 47.450 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	275100		
55	81.2		61.9	92.9
98	45.2		35.4	53.2

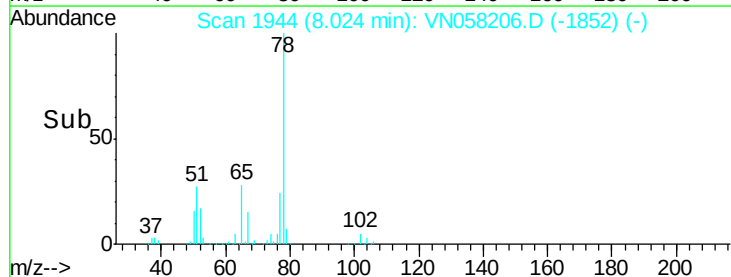
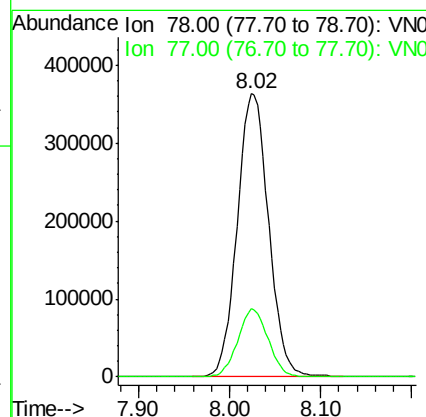
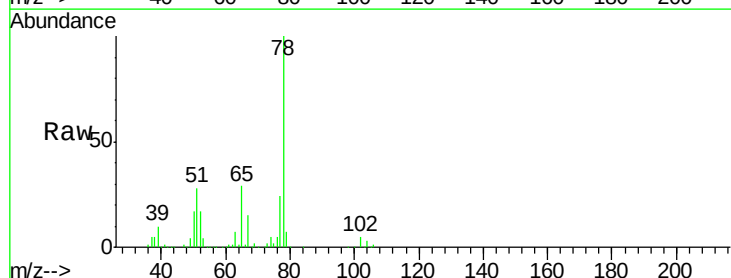
Manual Integrations
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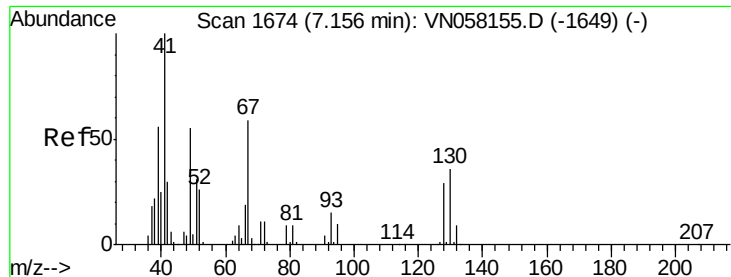
MMDadoda
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#40
Benzene
Concen: 47.478 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	869615		
77	24.0		18.8	28.2





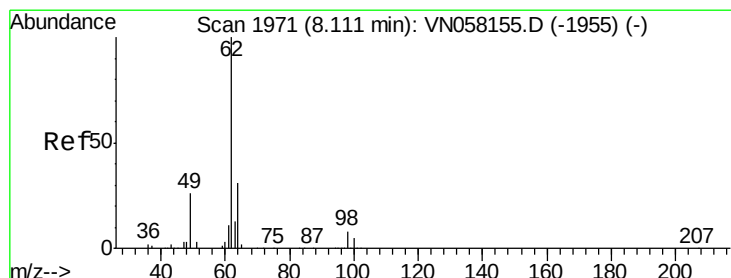
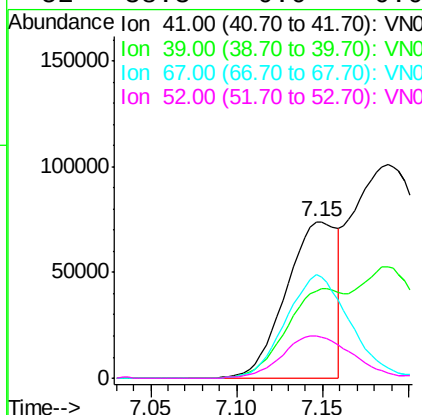
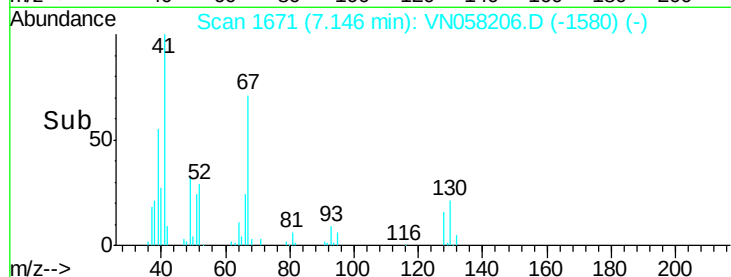
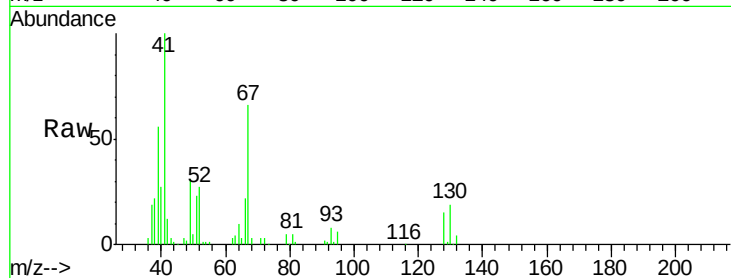
#41
Methacrylonitrile
Concen: 48.738 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	61.4	0.0	0.0#		
67	84.4	0.0	0.0#		
52	38.3	0.0	0.0#		

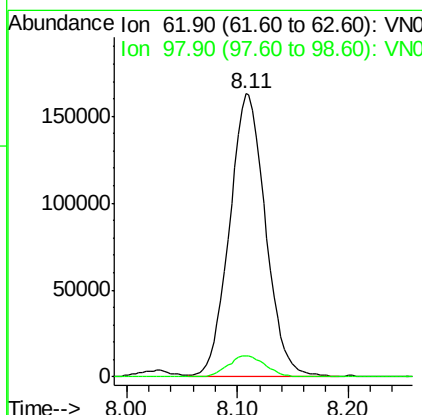
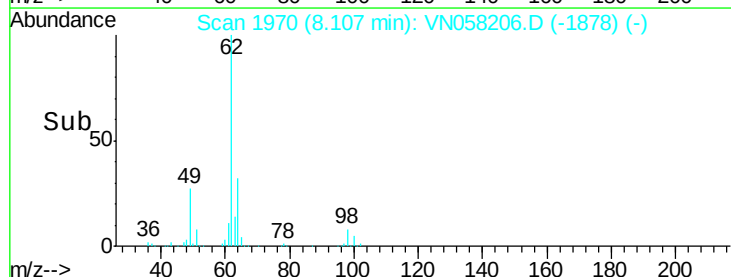
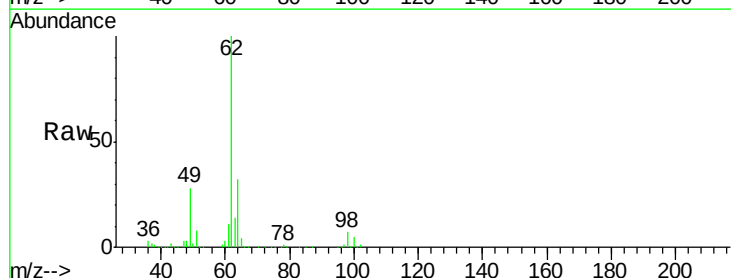
Manual Integrations
APPROVED

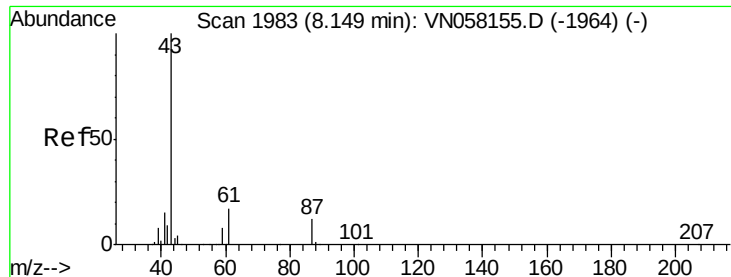
MMDadoda
9/20/2019 3:37:34 PM



#42
1,2-Dichloroethane
Concen: 47.681 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

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





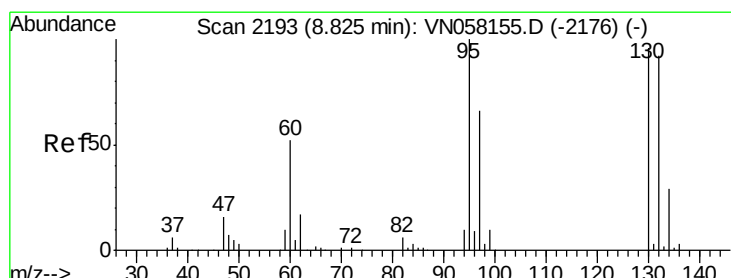
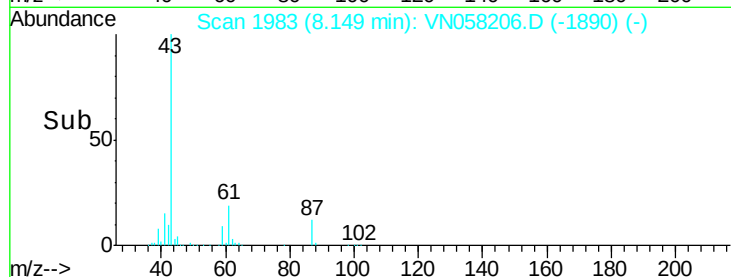
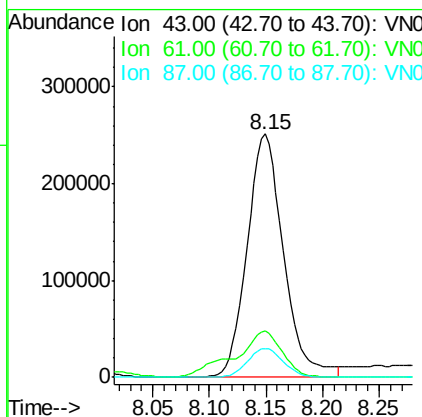
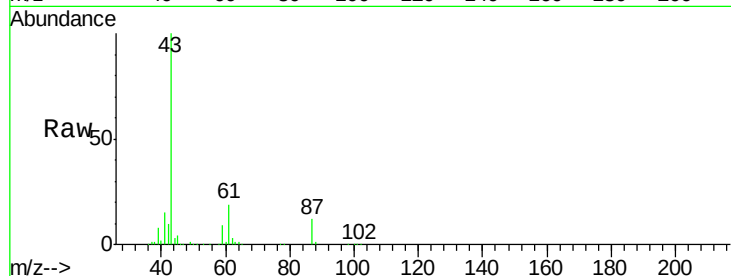
#43
Isopropyl Acetate
Concen: 48.218 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	19.7	29.5
87	11.9	9.4	14.2

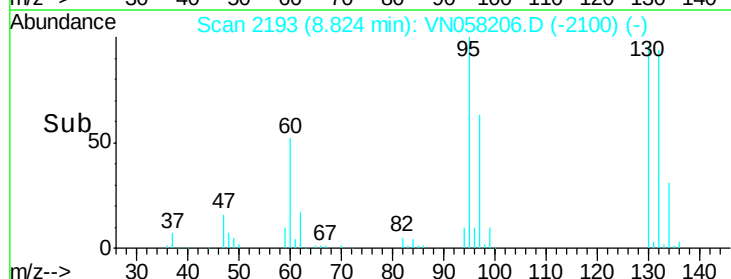
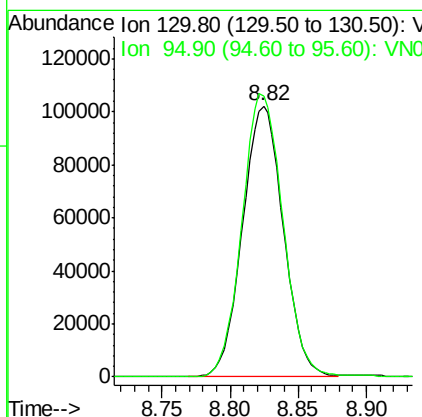
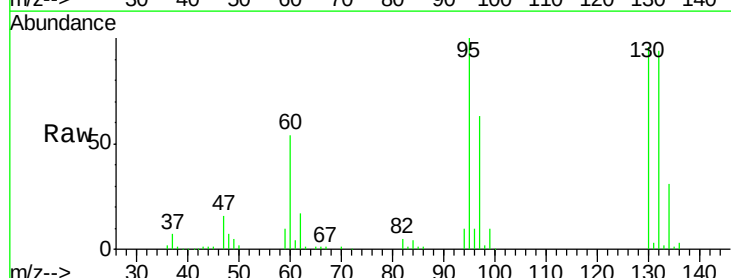
Manual Integrations
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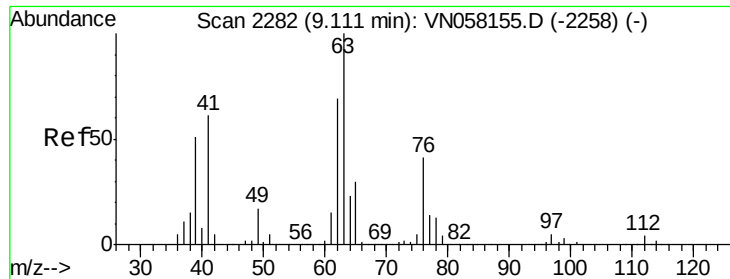
MMDadoda
9/20/2019 3:37:34 PM



#44
Trichloroethene
Concen: 47.338 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	207.8





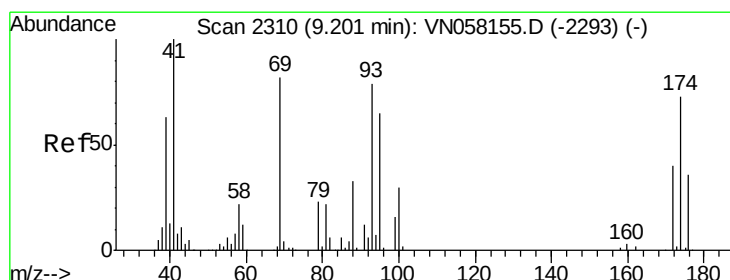
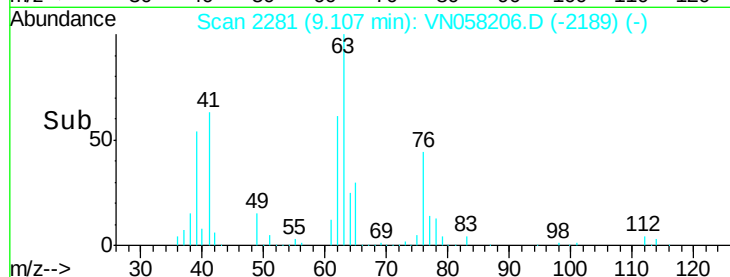
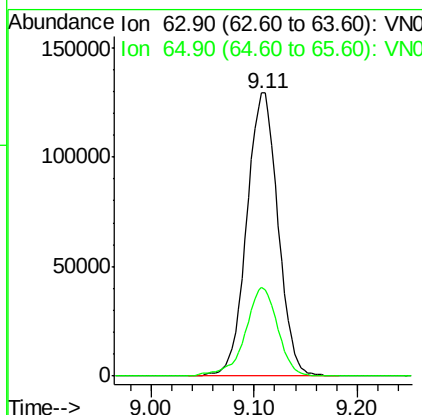
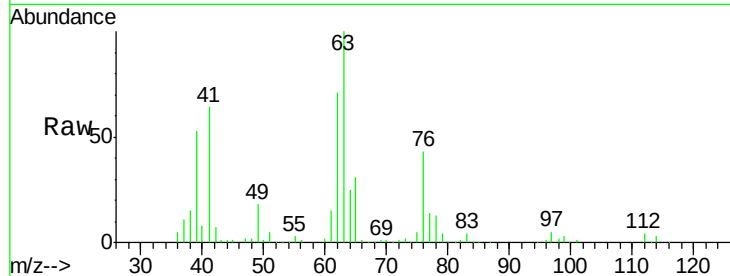
#45
 1,2-Dichloropropane
 Concen: 49.798 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	272390		
65	31.3		23.8	35.6

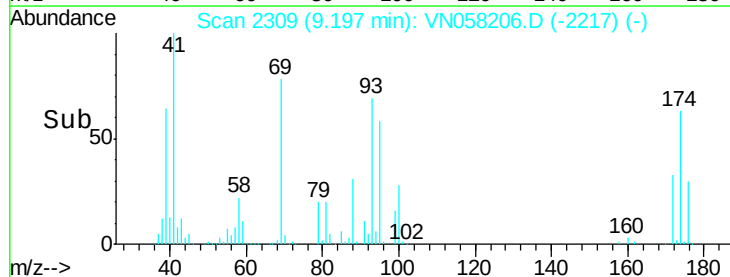
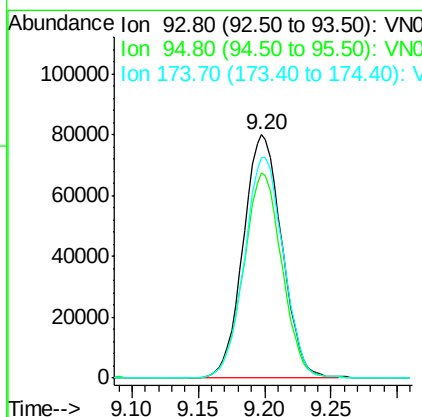
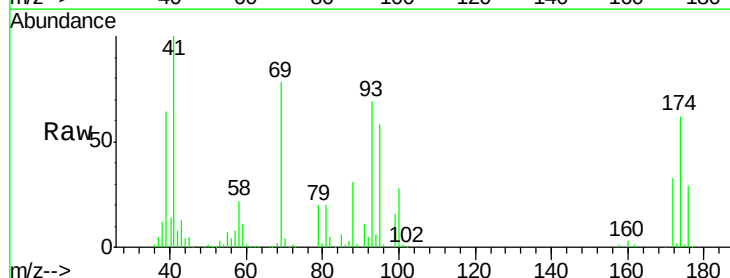
Manual Integrations
 APPROVED

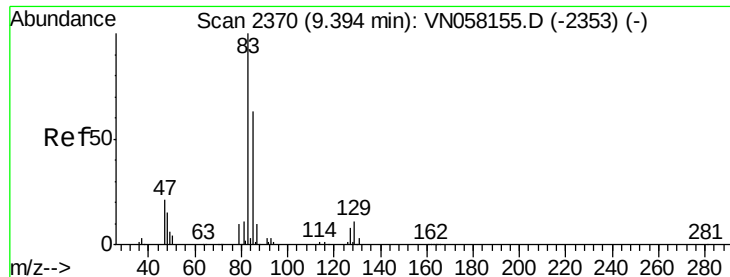
MMDadoda
 9/20/2019 3:37:34 PM



#46
 Dibromomethane
 Concen: 48.855 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	162473		
95	83.4		66.8	100.2
174	91.3		73.8	110.8





#47

Bromodichloromethane

Concen: 50.856 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

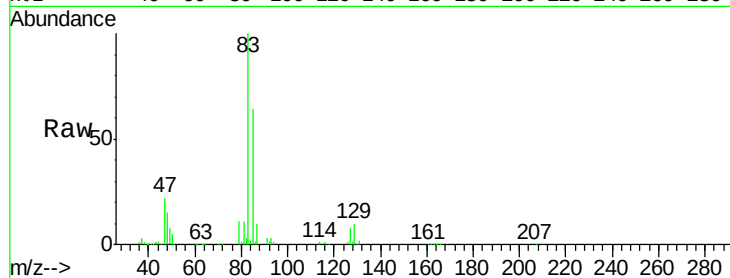
ClientSampleId :

VSTDCCC050

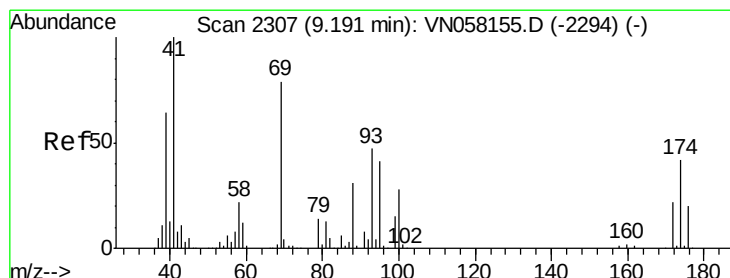
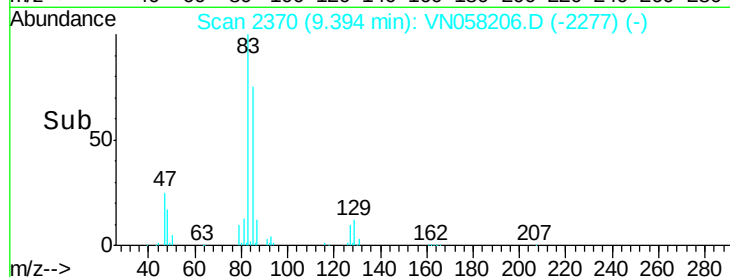
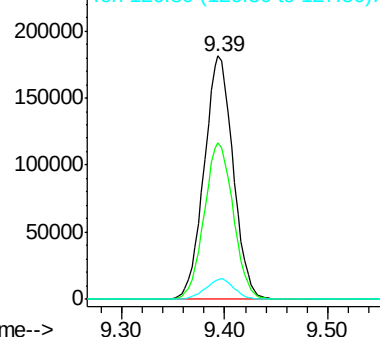
Tot Ion:	83	Resp:	354315
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.1	75.1
127	8.3	6.4	9.6

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



#48

Methyl methacrylate

Concen: 49.894 ug/l

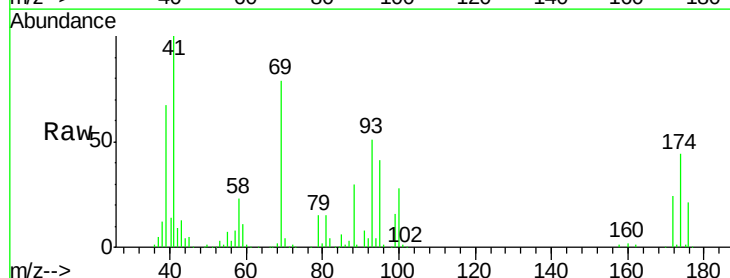
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

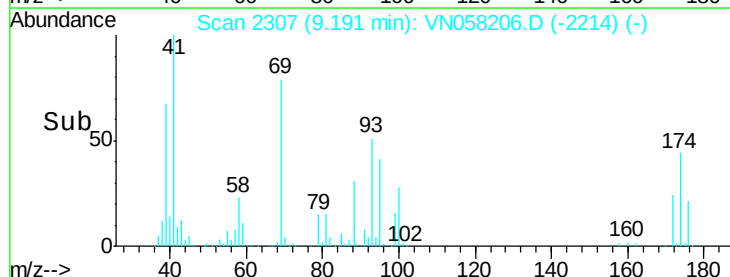
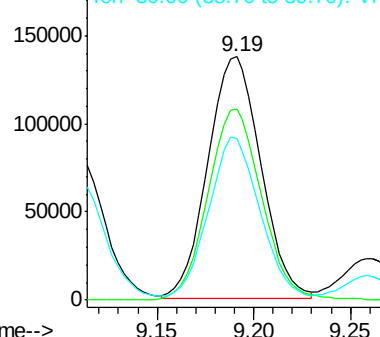
Lab File: VN058206.D

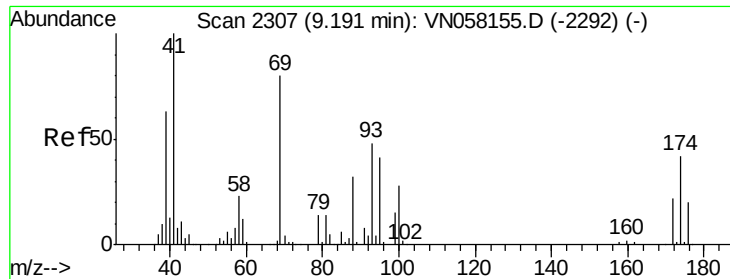
Acq: 19 Sep 2019 15:49

Tgt Ion:	41	Resp:	263302
Ion Ratio	Lower	Upper	
41	100		
69	79.3	62.5	93.7
39	65.2	52.3	78.5



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





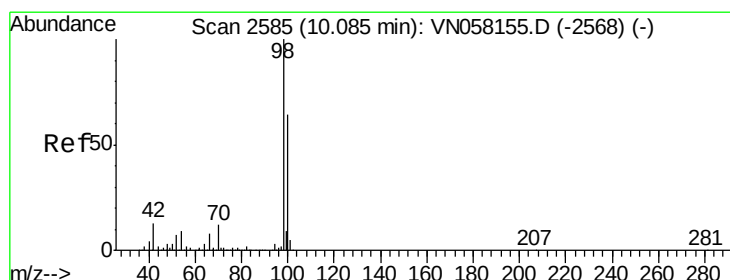
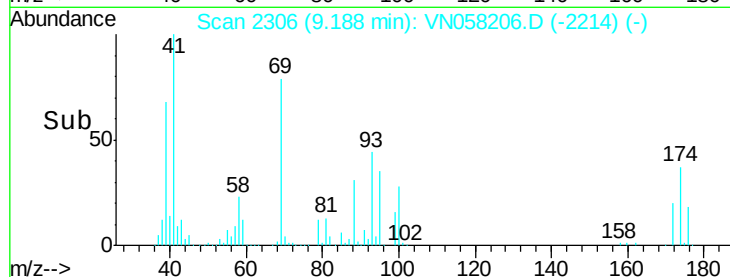
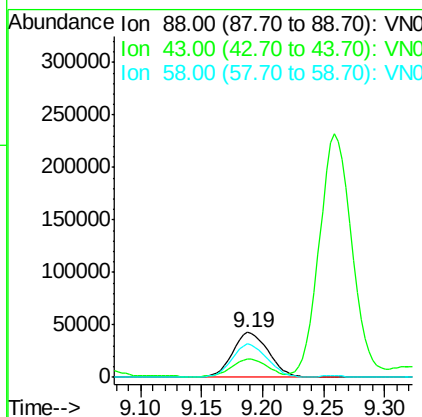
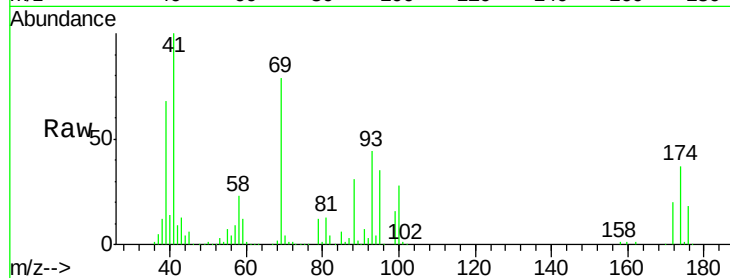
#49
1,4-Dioxane
Concen: 1019.968 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	88372
Ion	Ratio	Lower	Upper
88	100		
43	38.1	27.8	41.8
58	72.8	55.0	82.4

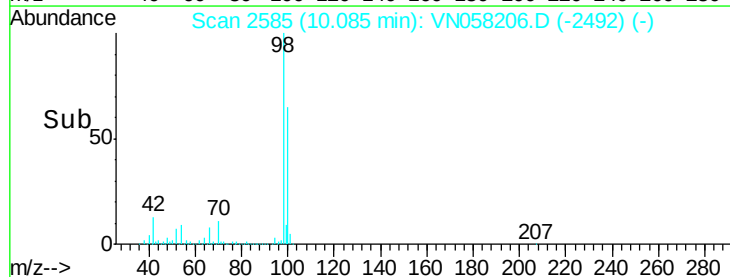
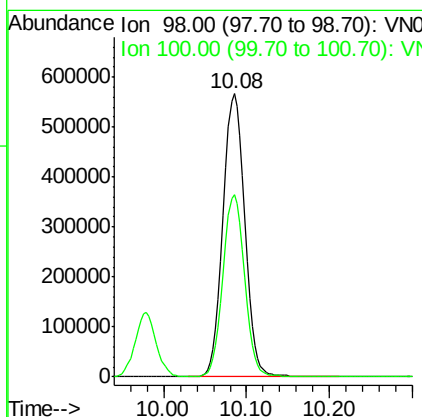
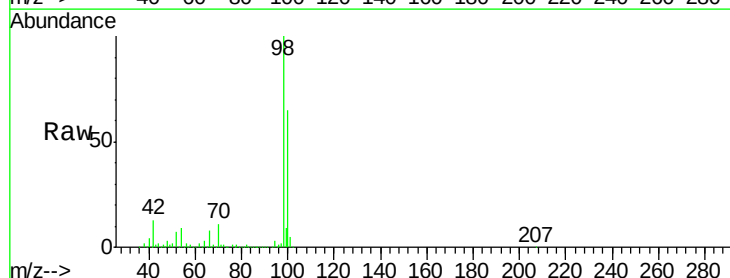
Manual Integrations
APPROVED

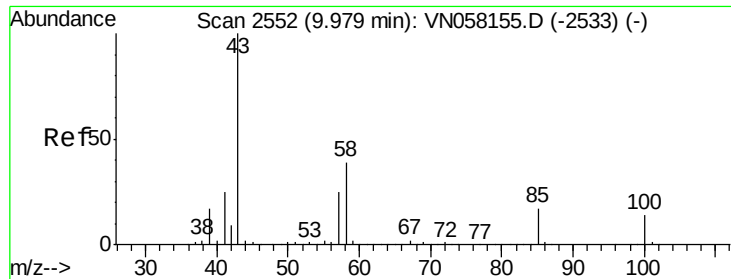
MMDadoda
9/20/2019 3:37:34 PM



#50
Toluene-d8
Concen: 52.735 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	98	Resp	1038673
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 276.403 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1706368

Ion Ratio Lower Upper

43 100

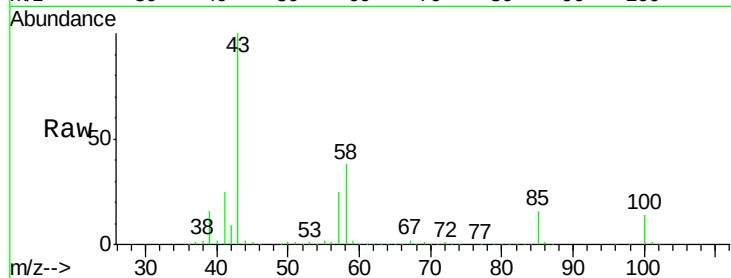
58 37.3 30.2 45.4

Manual Integrations

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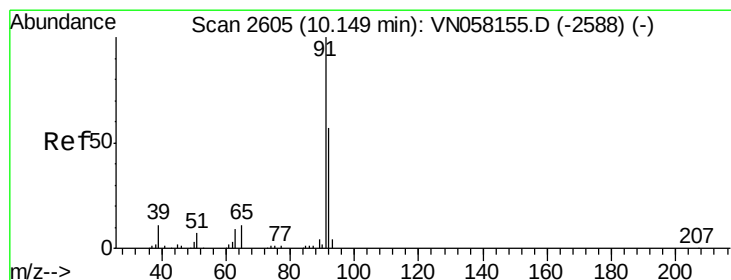
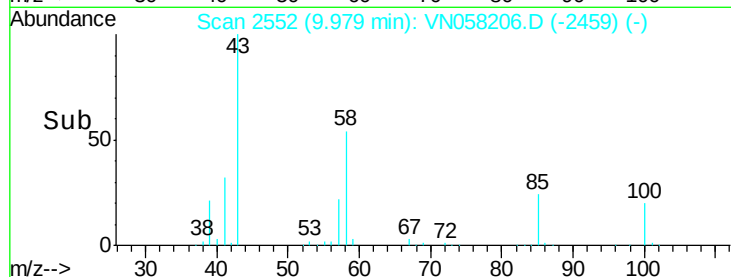
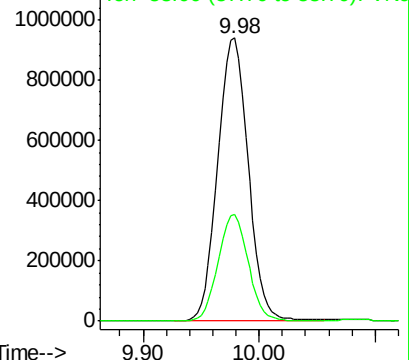
MMDadoda

9/20/2019 3:37:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.068 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058206.D

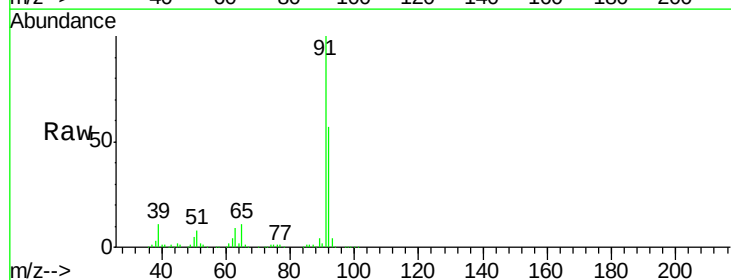
Acq: 19 Sep 2019 15:49

Tgt Ion: 92 Resp: 563246

Ion Ratio Lower Upper

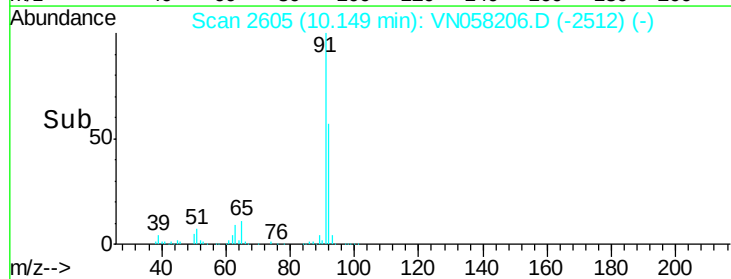
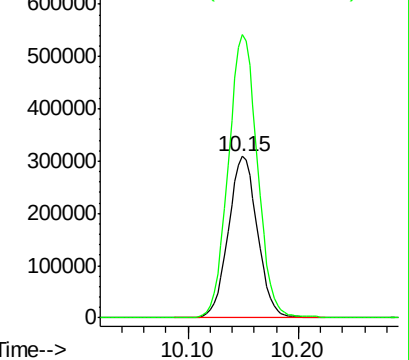
92 100

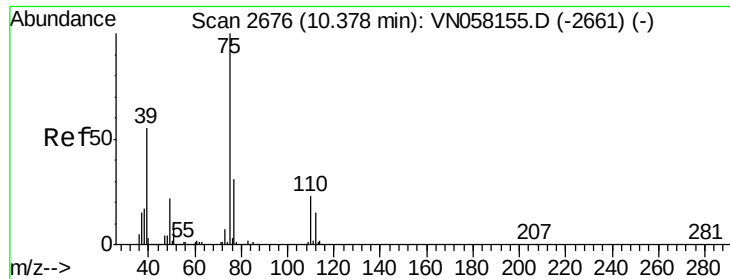
91 176.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





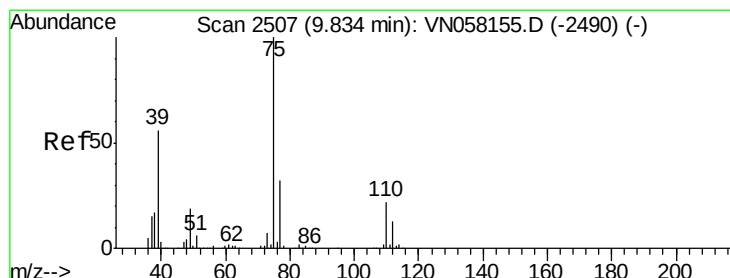
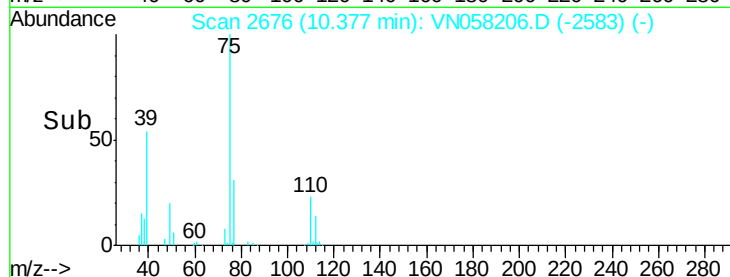
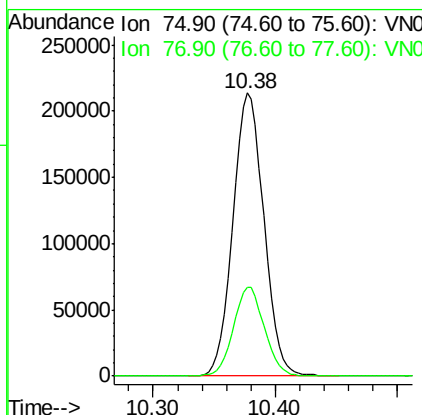
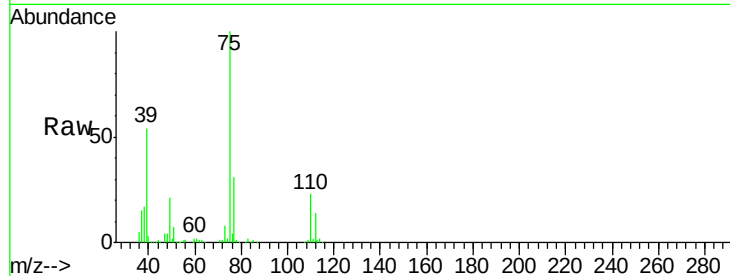
#53
t-1,3-Dichloropropene
Concen: 52.725 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

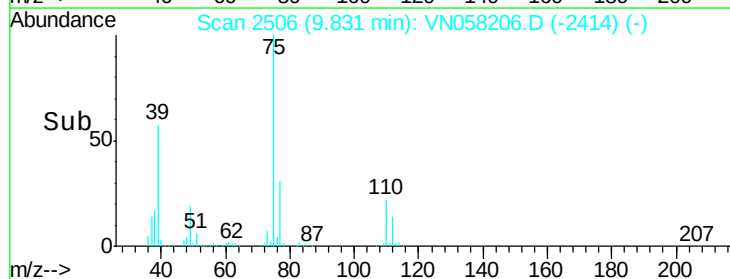
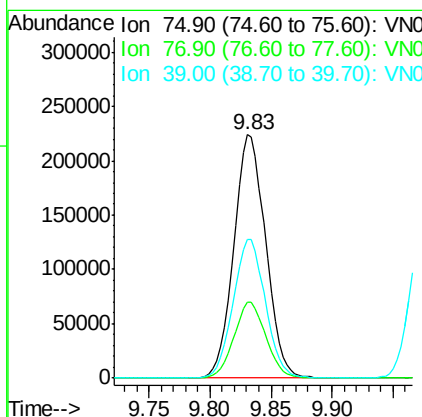
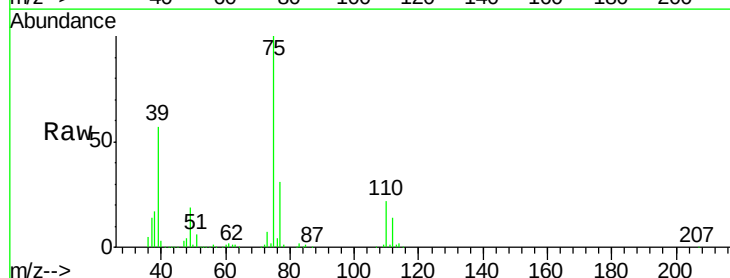
Manual Integrations
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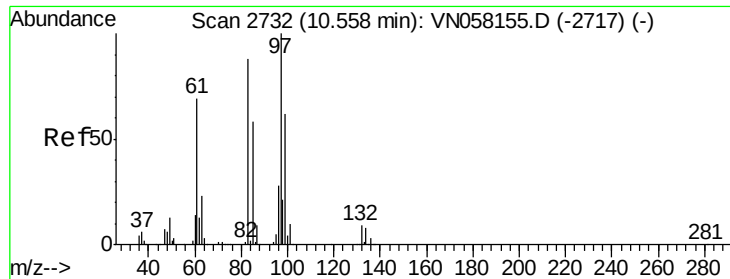
MMDadoda
9/20/2019 3:37:34 PM



#54
cis-1,3-Dichloropropene
Concen: 51.431 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	57.0	45.0	67.6





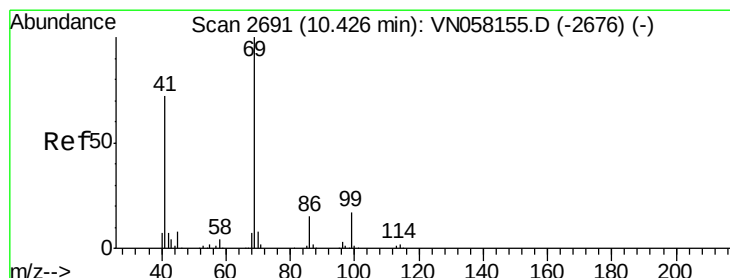
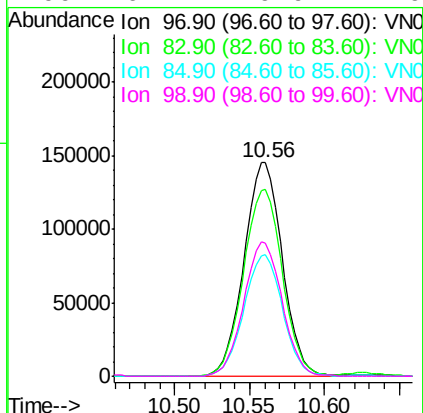
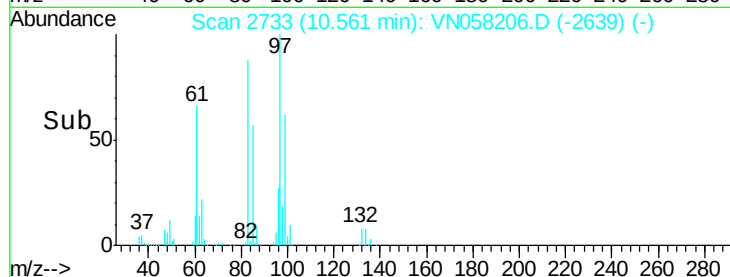
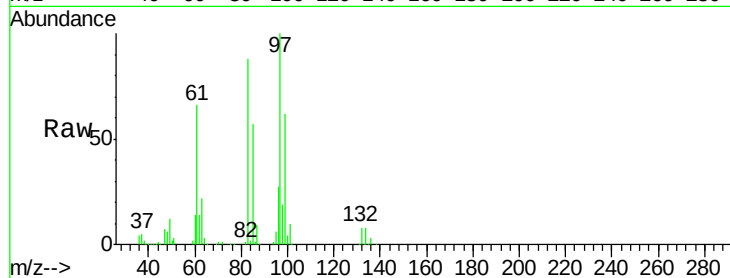
#55
 1,1,2-Trichloroethane
 Concen: 50.804 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	258800
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.4	105.6
85	56.8	46.8	70.2
99	62.1	49.9	74.9

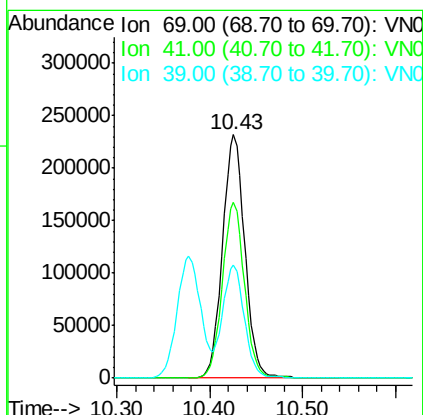
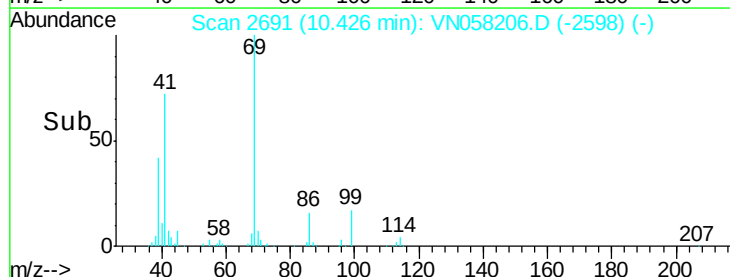
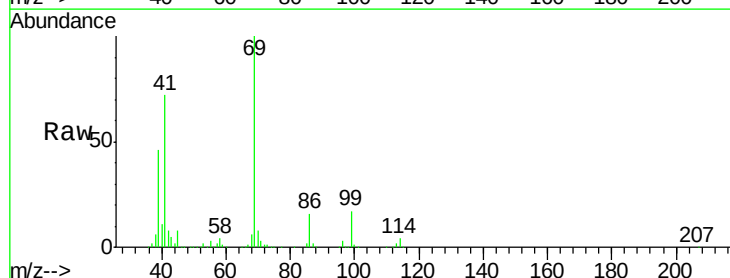
Manual Integrations
 APPROVED

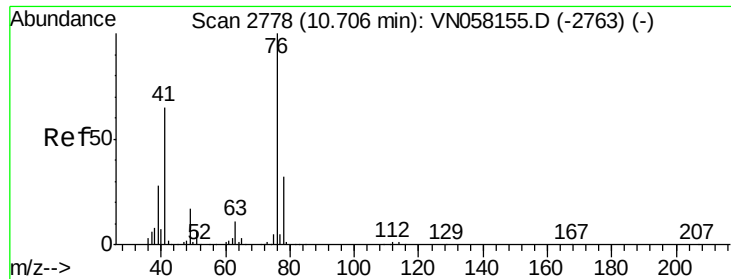
MMDadoda
 9/20/2019 3:37:34 PM



#56
 Ethyl methacrylate
 Concen: 52.703 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion:	69	Resp:	387361
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.5	86.3
39	44.8	36.1	54.1





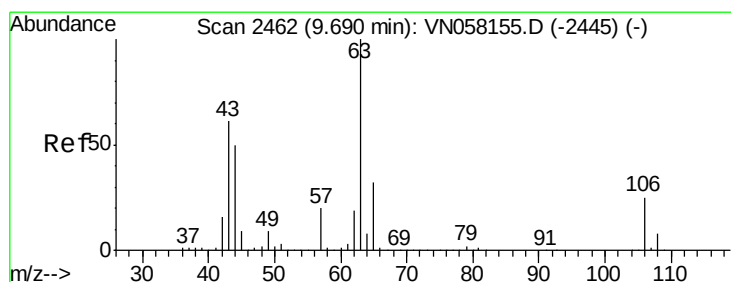
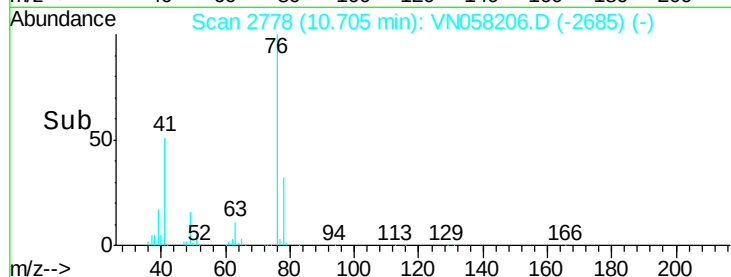
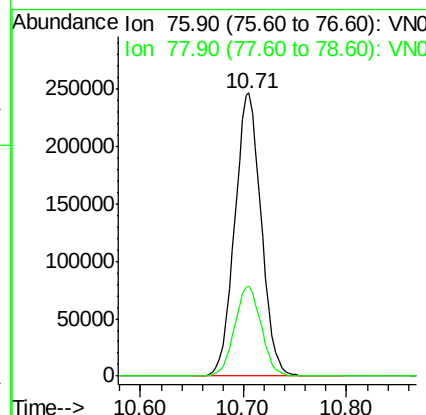
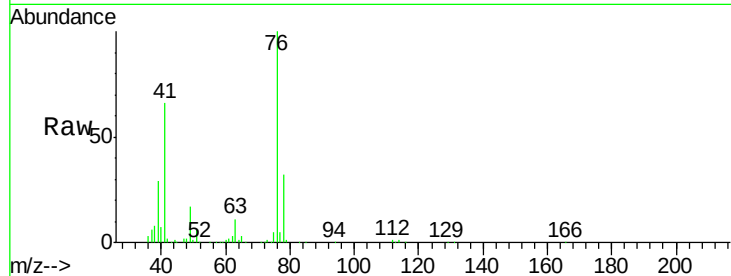
#57
 1,3-Dichloropropane
 Concen: 50.228 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.0

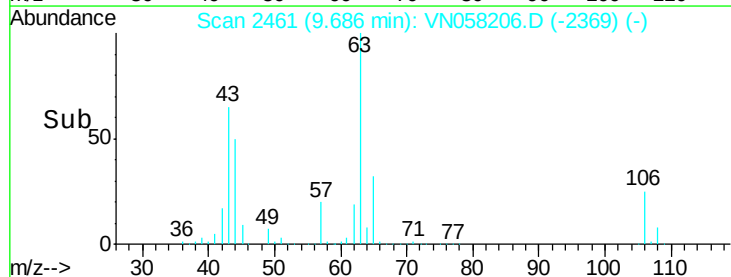
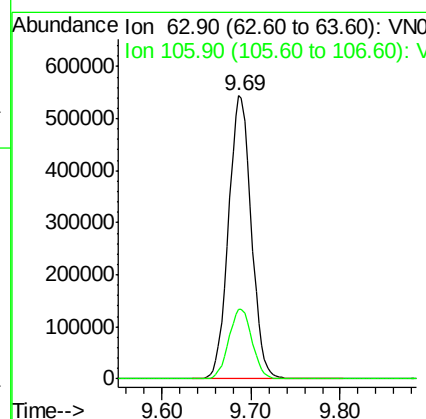
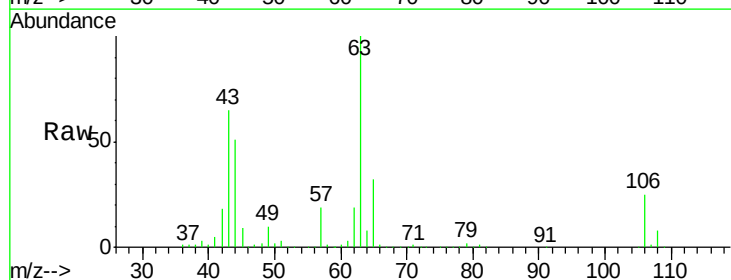
Manual Integrations
 APPROVED

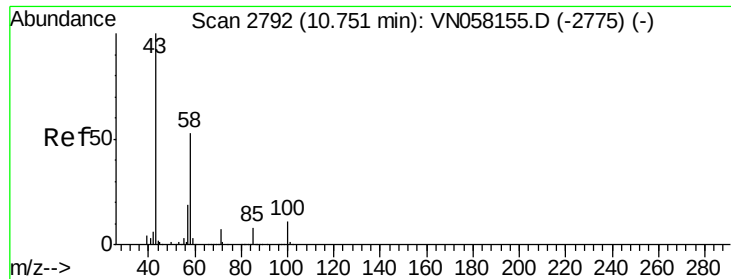
MMDadoda
 9/20/2019 3:37:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.309 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	19.9	29.9





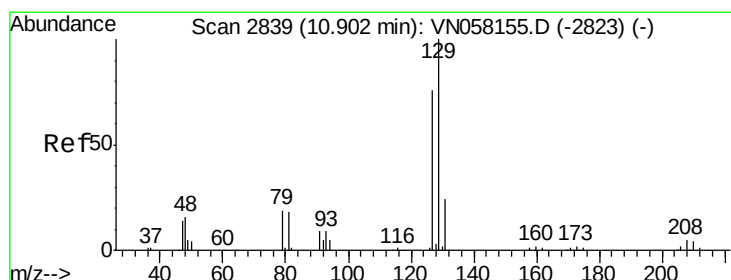
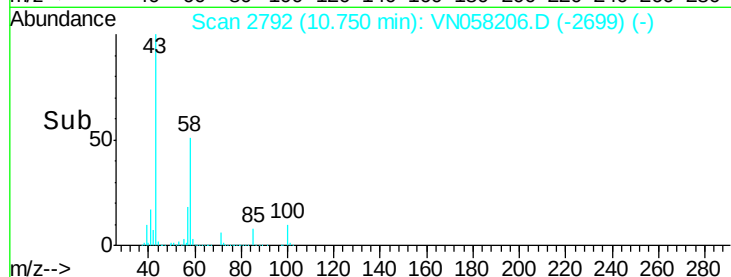
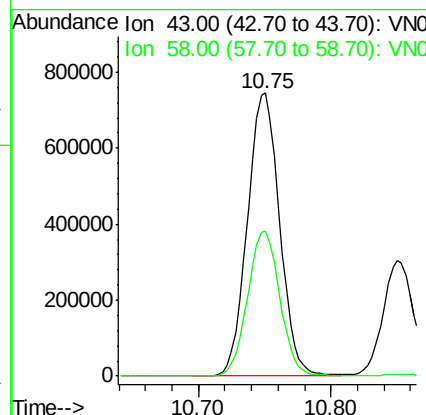
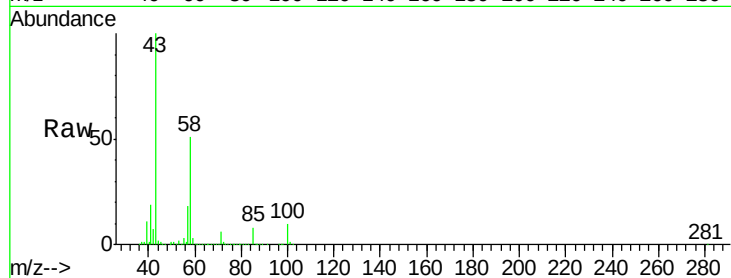
#59
2-Hexanone
Concen: 274.350 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1257889
Ion Ratio Lower Upper
43 100
58 51.6 26.0 78.0

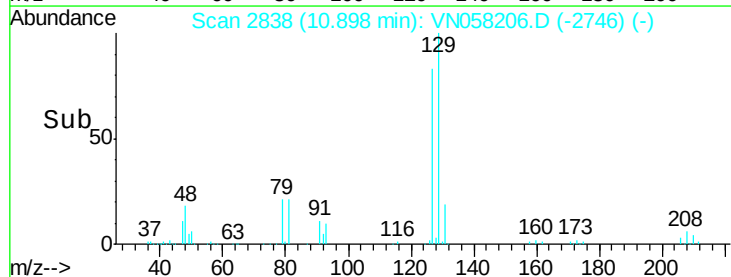
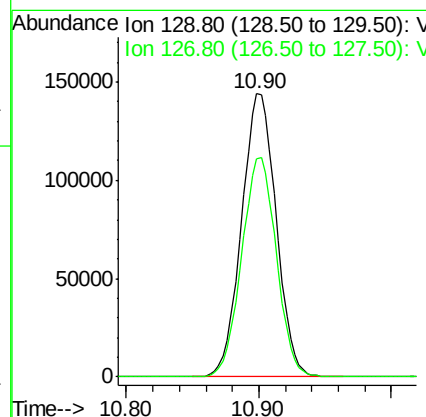
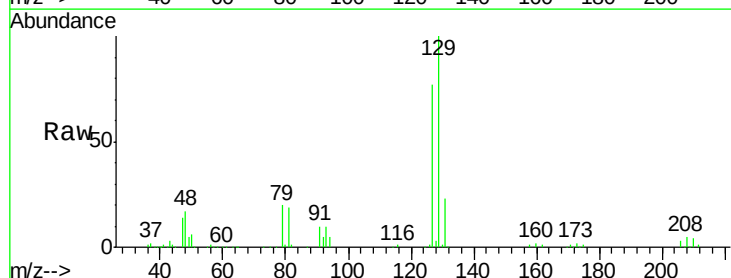
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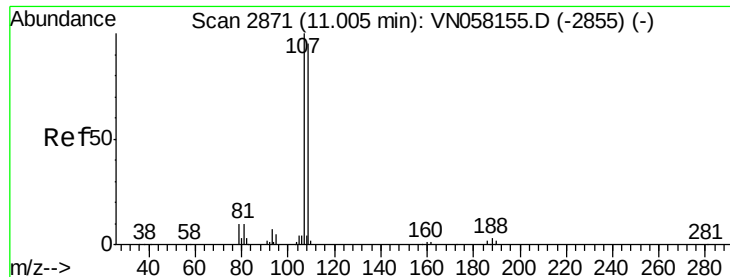
MMDadoda
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#60
Dibromochloromethane
Concen: 53.309 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 129 Resp: 261255
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





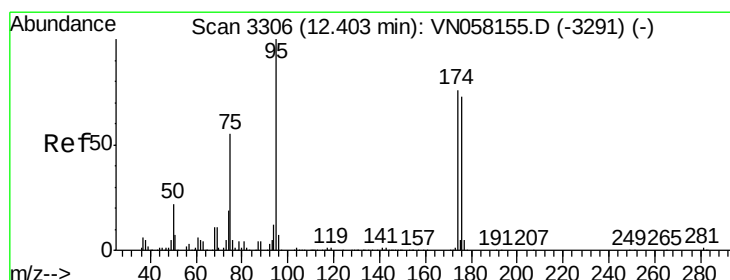
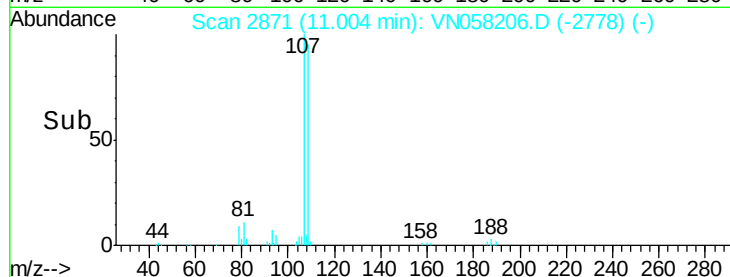
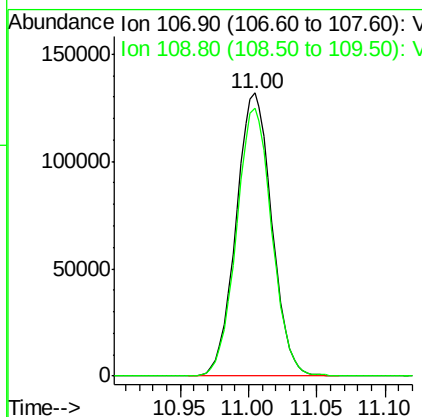
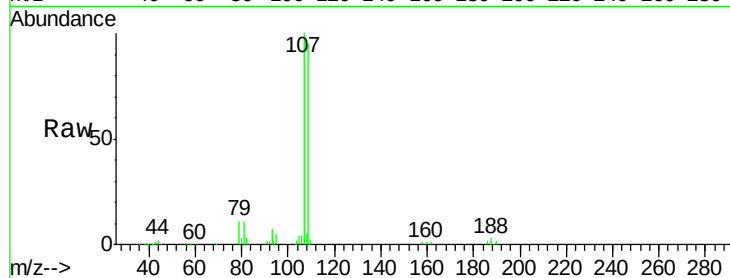
#61
 1,2-Dibromoethane
 Concen: 50.810 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

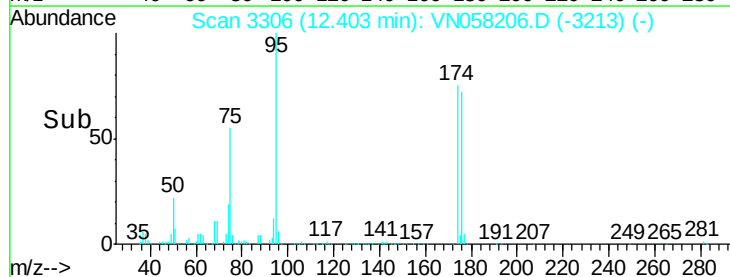
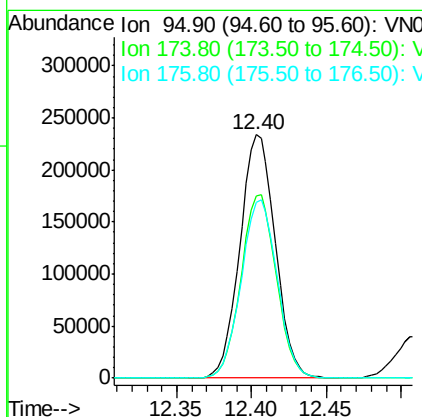
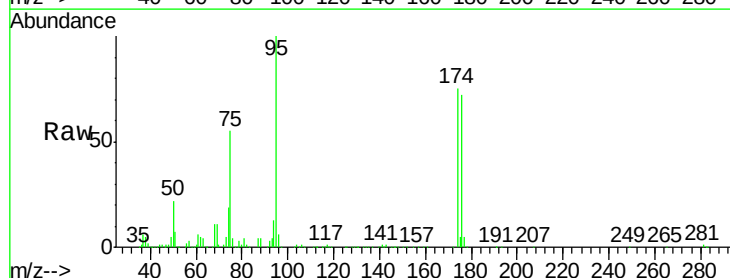
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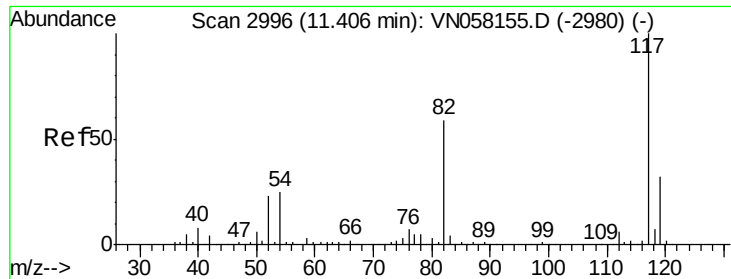
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#62
 4-Bromofluorobenzene
 Concen: 52.597 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	152.2
176	74.4	0.0	148.0





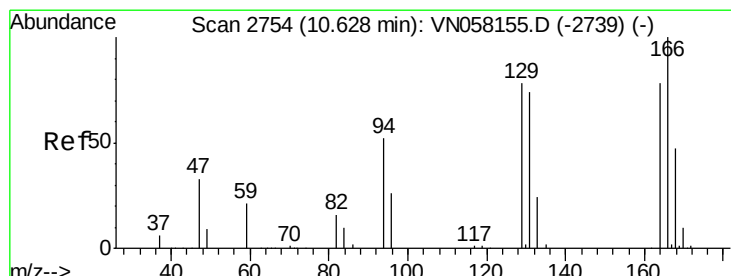
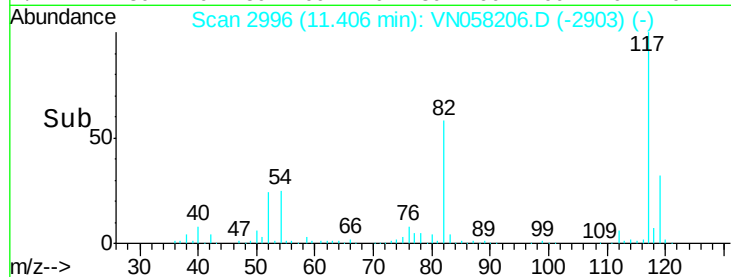
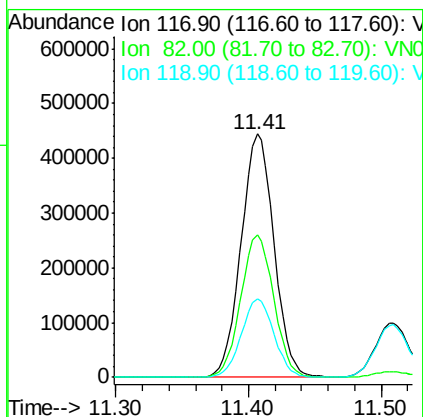
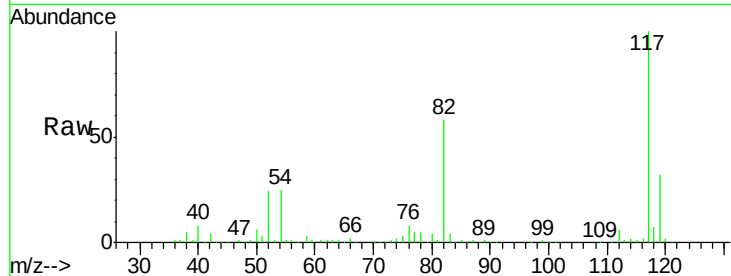
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	32.3	25.3	37.9

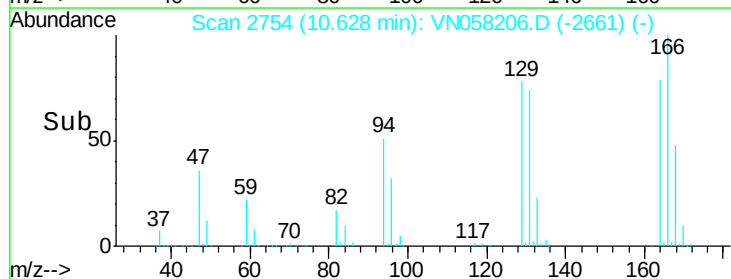
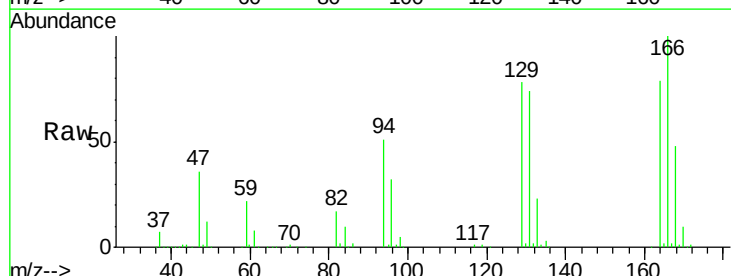
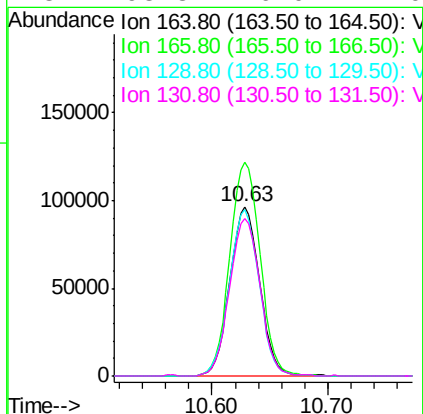
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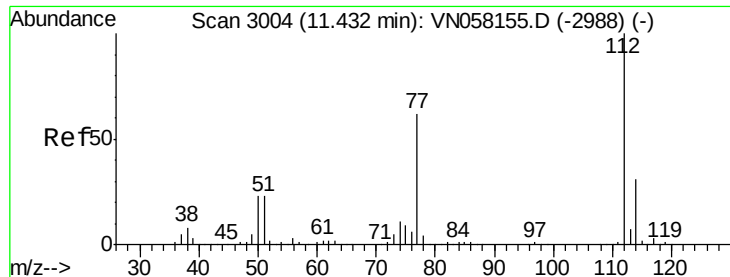
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#64
Tetrachloroethene
Concen: 46.103 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.2	153.4
129	98.0	79.6	119.4
131	93.3	76.0	114.0





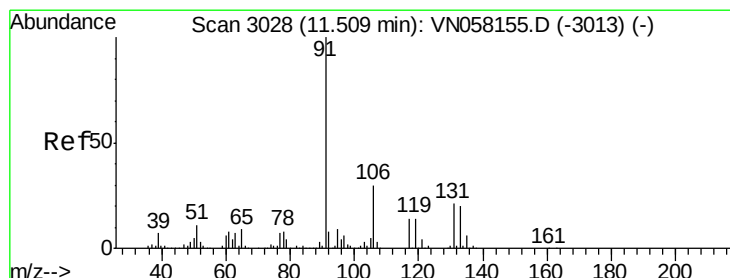
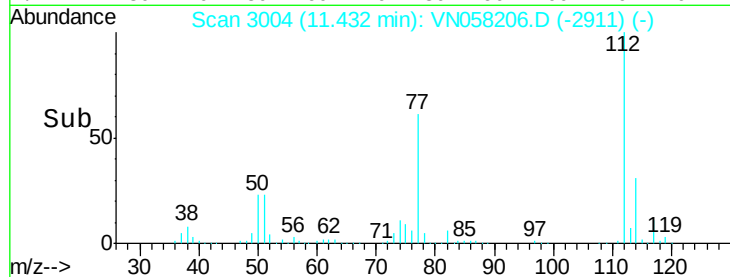
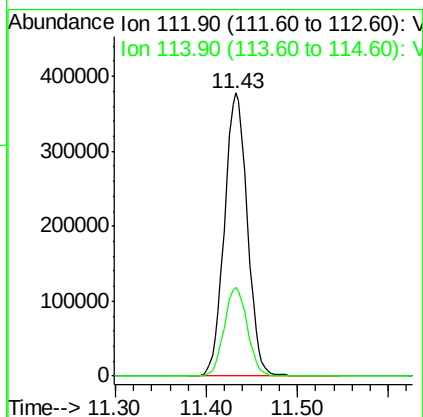
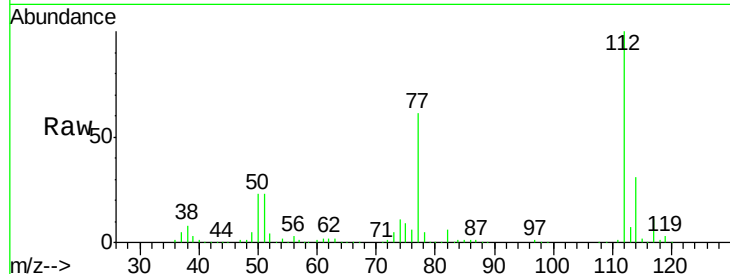
#65
Chlorobenzene
Concen: 48.892 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 659995
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7

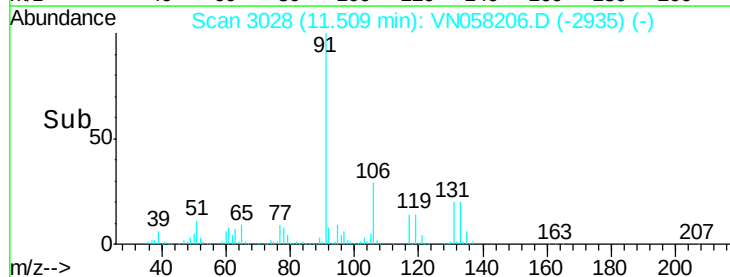
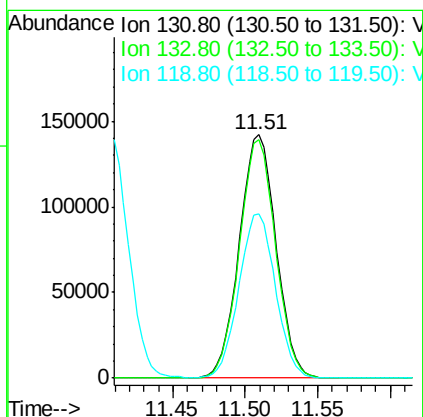
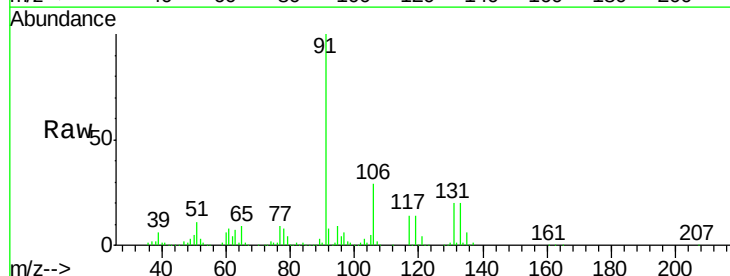
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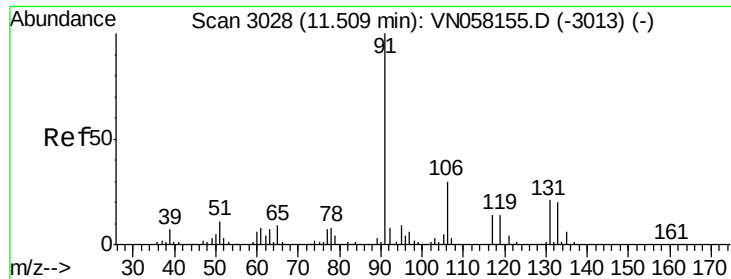
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:131 Resp: 250840
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 67.5 33.1 99.3





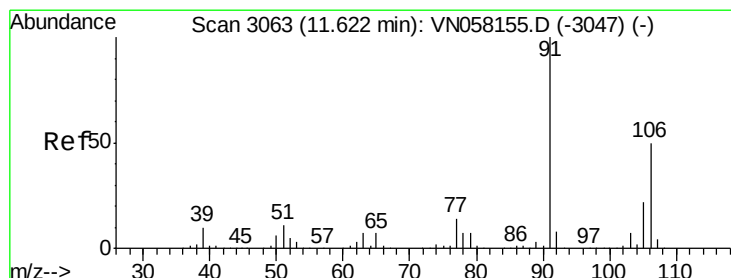
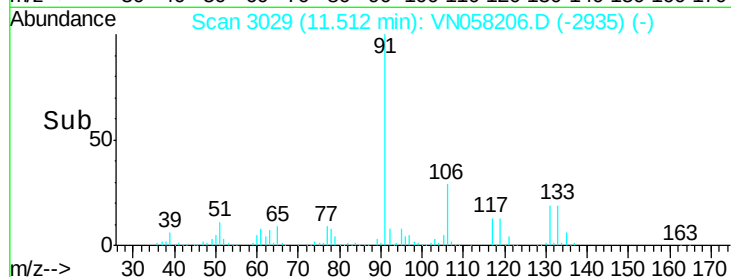
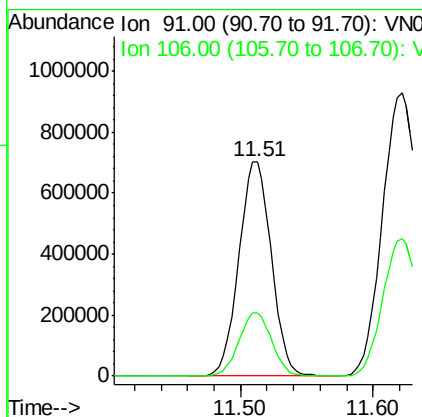
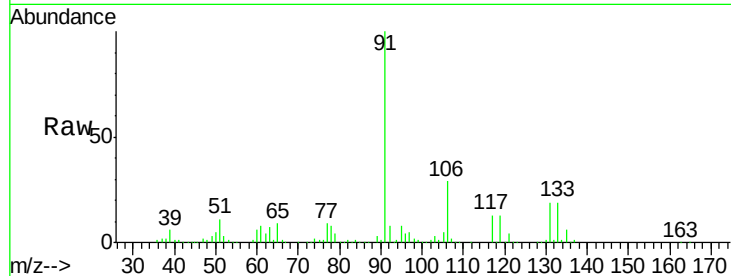
#67
Ethyl Benzene
Concen: 51.718 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1196250
Ion Ratio Lower Upper
91 100
106 29.3 24.0 36.0

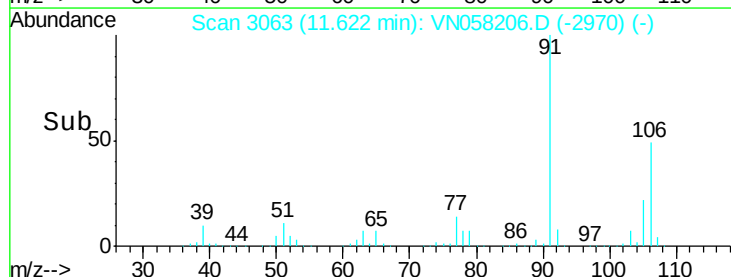
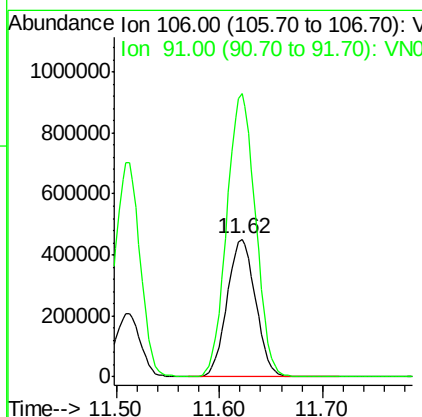
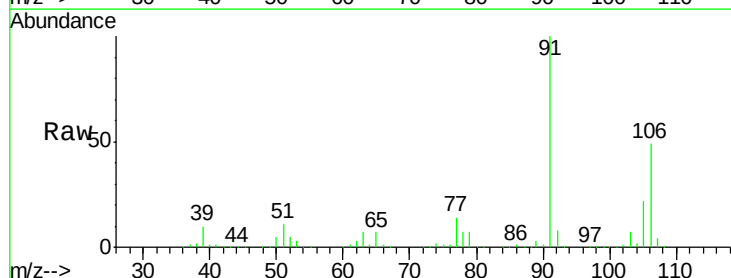
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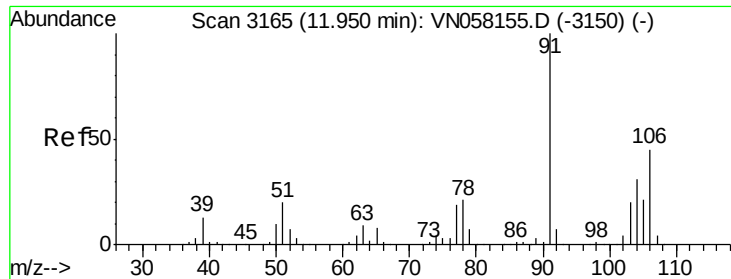
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#68
m/p-Xylenes
Concen: 99.574 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 106 Resp: 867444
Ion Ratio Lower Upper
106 100
91 208.0 163.6 245.4





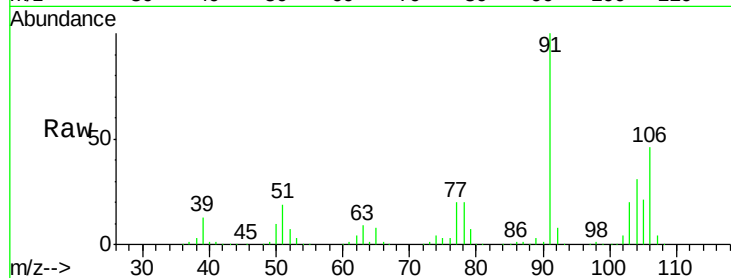
#69
o-Xylene
Concen: 51.437 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

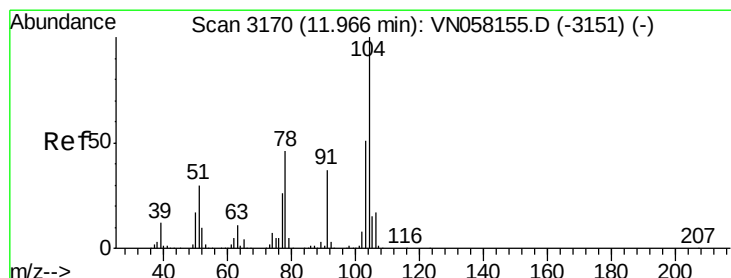
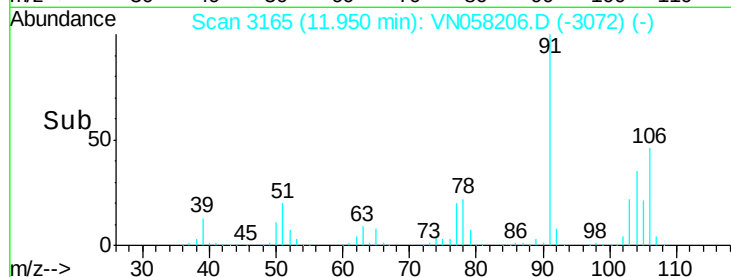
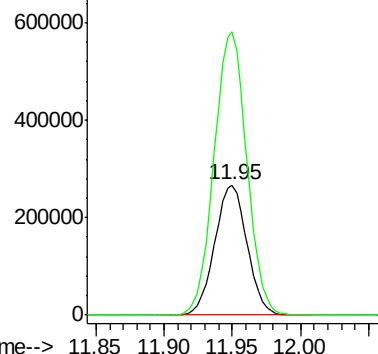
Tot Ion:106 Resp: 440610
Ion Ratio Lower Upper
106 100
91 219.8 111.8 335.3

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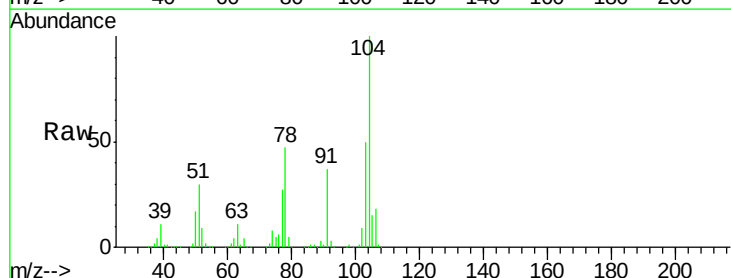


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

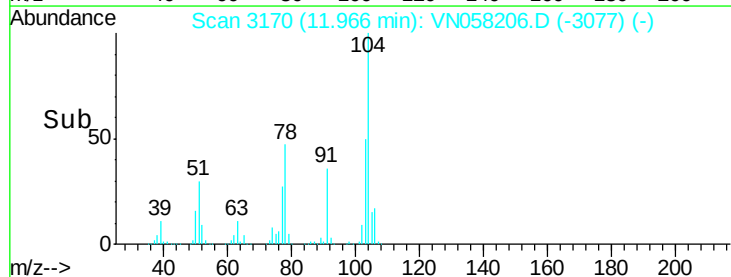
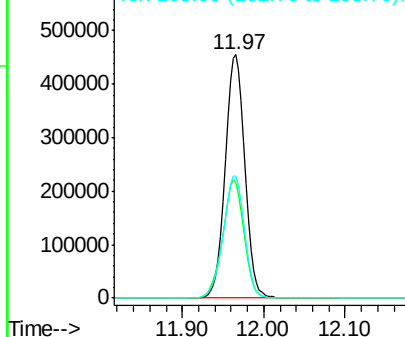


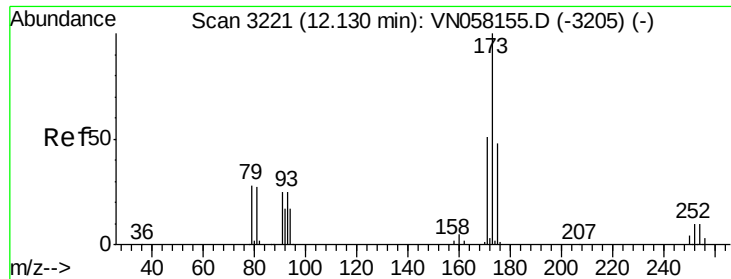
#70
Styrene
Concen: 52.760 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion:104 Resp: 778686
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 54.3 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 46.876 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 169231

Ion Ratio Lower Upper

173 100

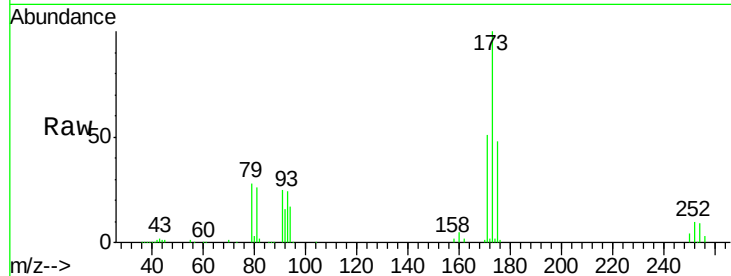
175 48.0 24.2 72.6

254 0.0 0.1 0.1#

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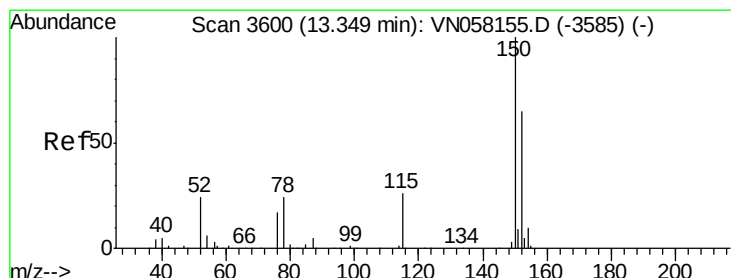
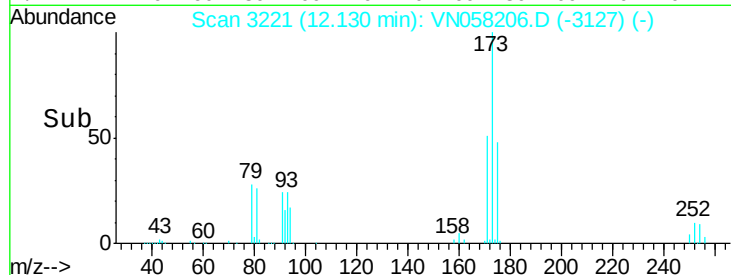
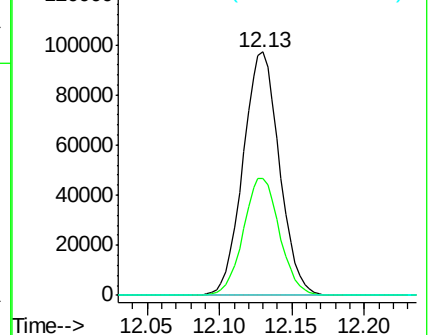
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058206.D

Acq: 19 Sep 2019 15:49

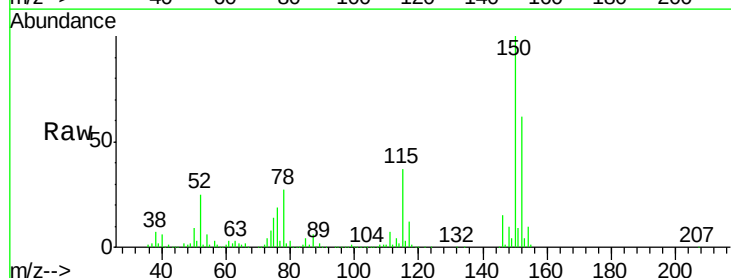
Tgt Ion:152 Resp: 379806

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.3

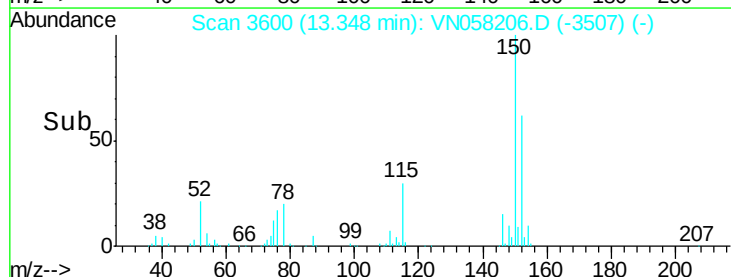
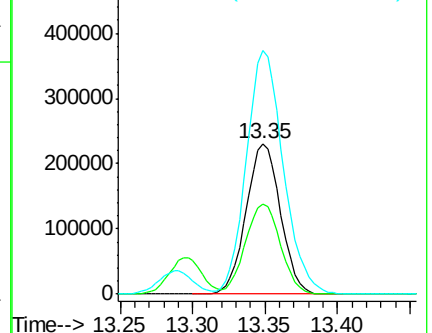
150 174.7 0.0 346.4

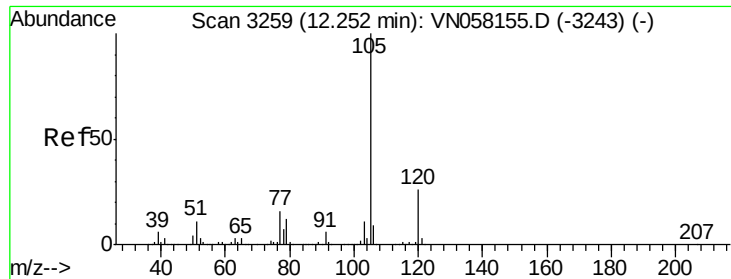


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.362 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1244822

Ion Ratio Lower Upper

105 100

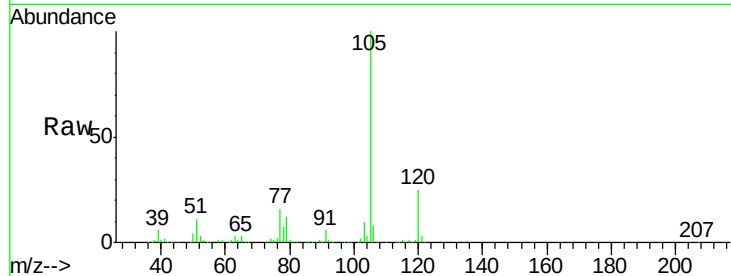
120 25.8 12.8 38.3

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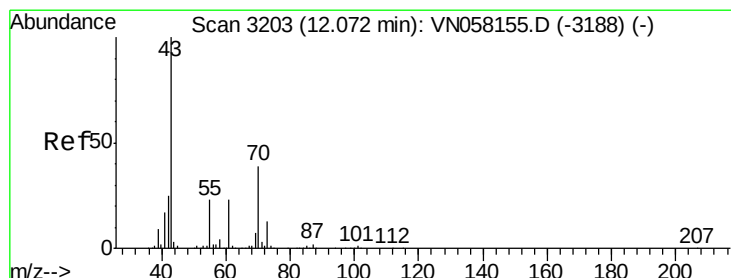
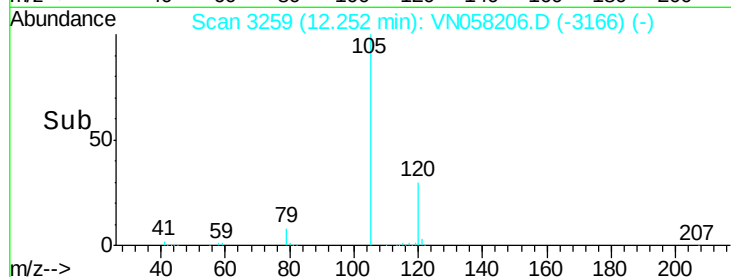
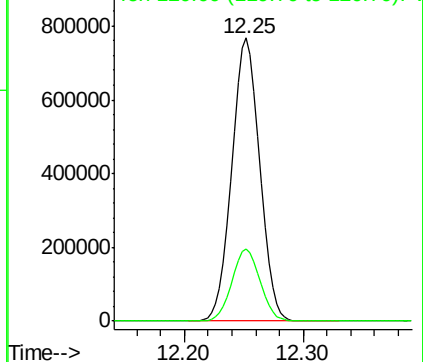
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.211 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion: 43 Resp: 529204

Ion Ratio Lower Upper

43 100

70 39.1 31.0 46.6

55 23.6 18.5 27.7

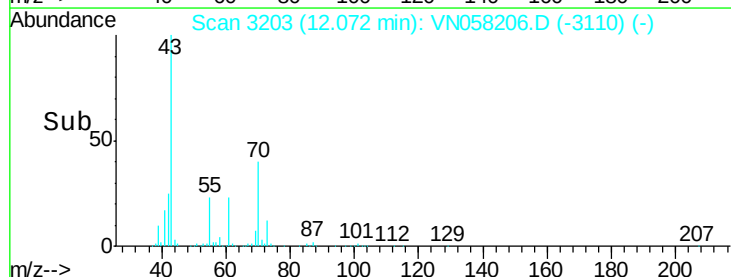
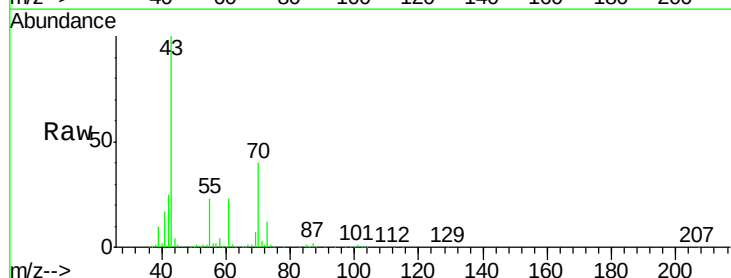
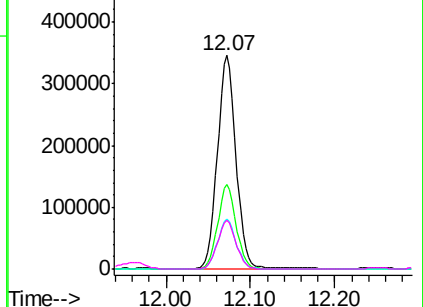
61 22.7 18.2 27.2

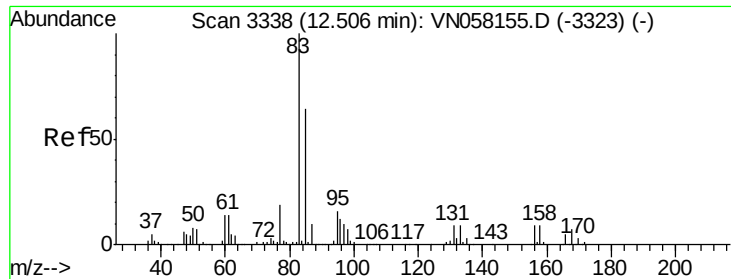
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.724 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

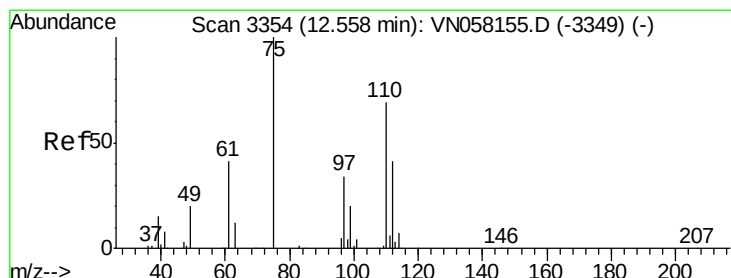
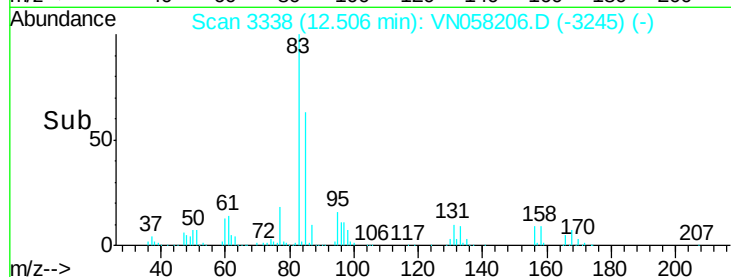
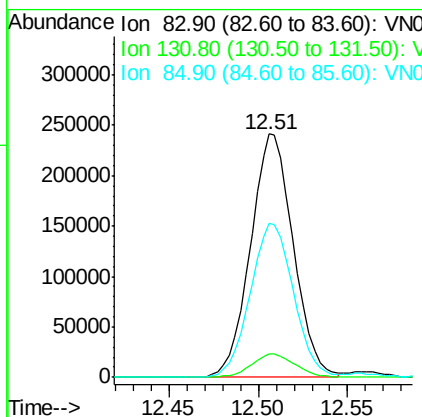
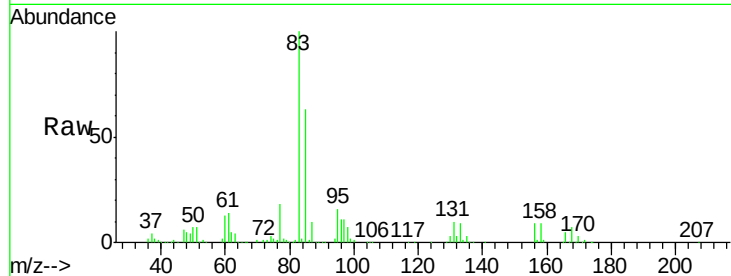
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	403821
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.888 ug/l m

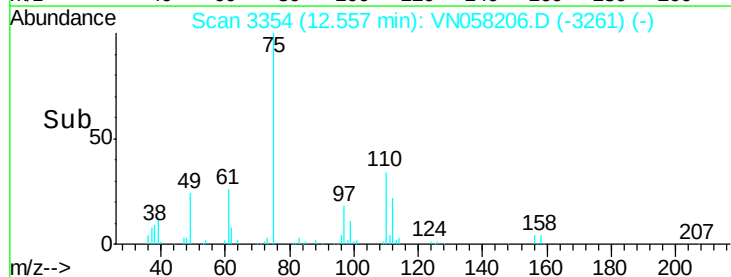
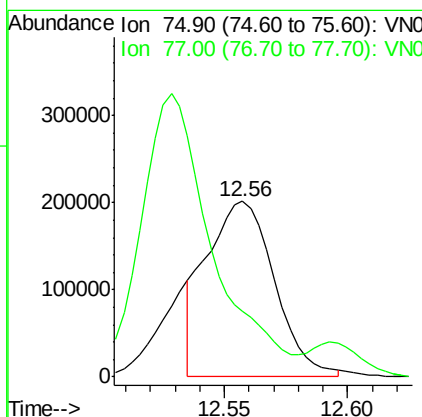
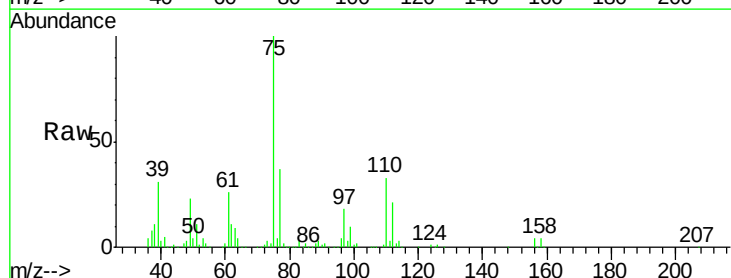
RT: 12.56 min Scan# 3354

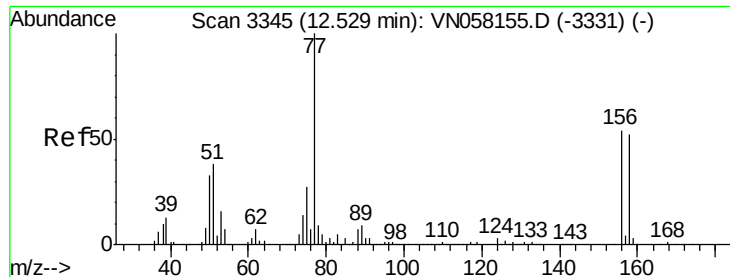
Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion:	75	Resp:	386687
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.630 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 290808

Ion Ratio Lower Upper

156 100

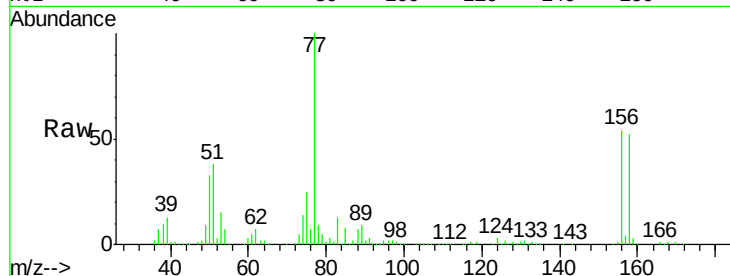
77 226.1 111.7 335.1

158 99.2 47.9 143.8

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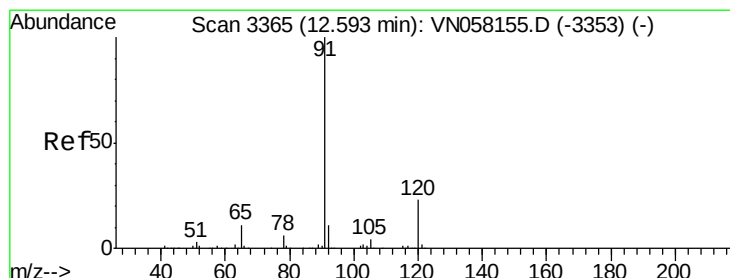
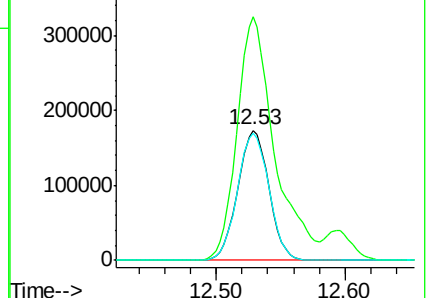
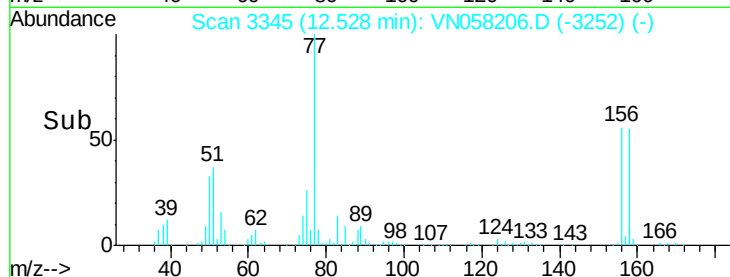
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058206.D

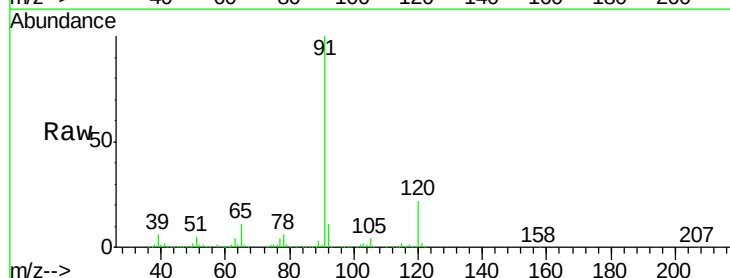
Acq: 19 Sep 2019 15:49

Tgt Ion: 91 Resp: 1460988

Ion Ratio Lower Upper

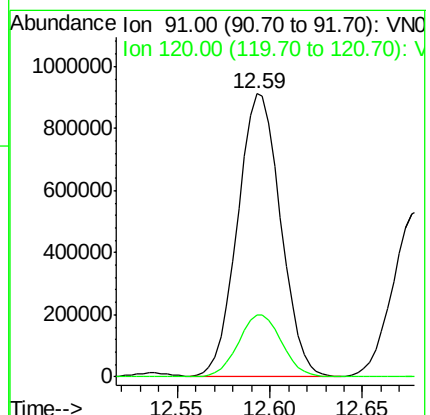
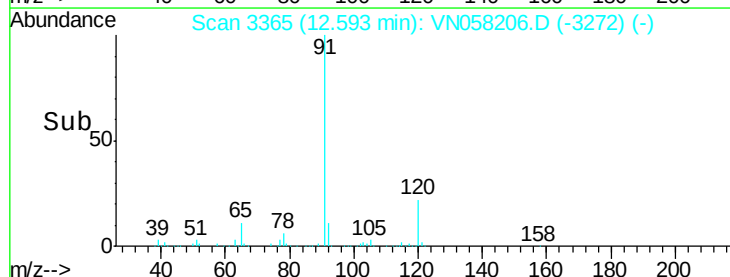
91 100

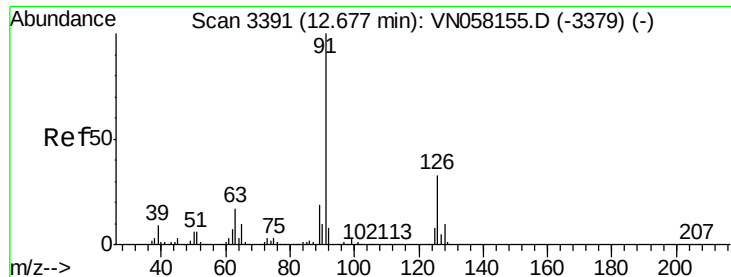
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.588 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 870992

Ion Ratio Lower Upper

91 100

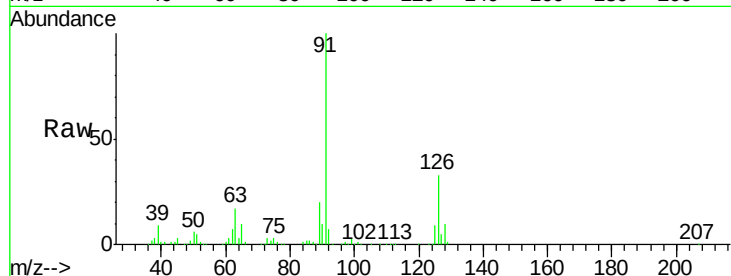
126 32.8 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

800000

600000

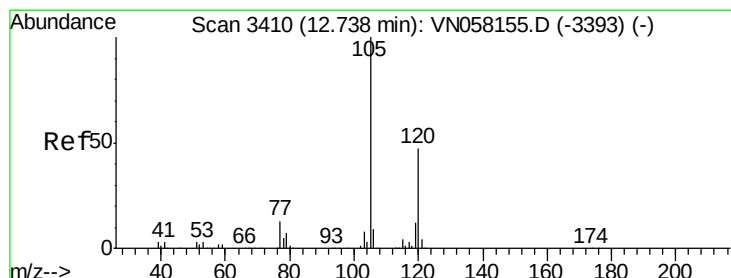
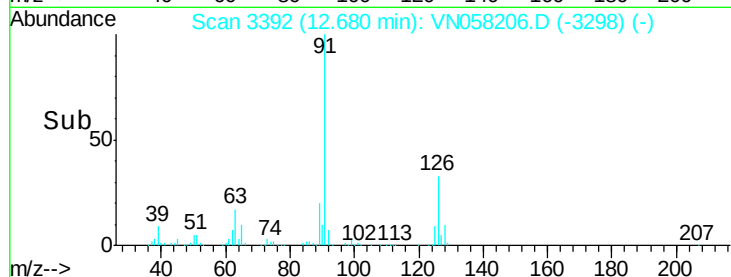
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.946 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058206.D

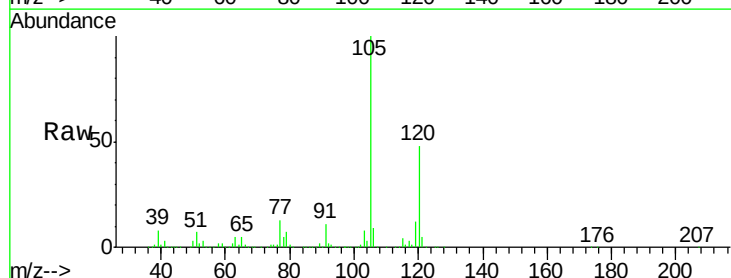
Acq: 19 Sep 2019 15:49

Tgt Ion: 105 Resp: 1064380

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

800000

600000

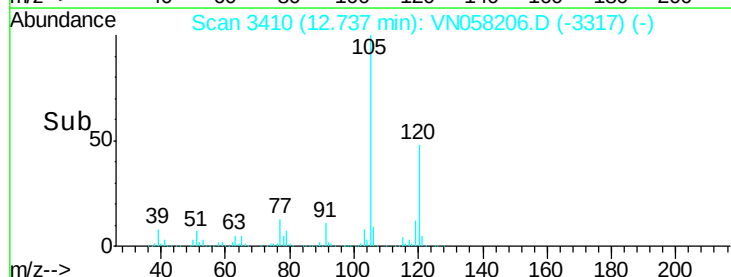
400000

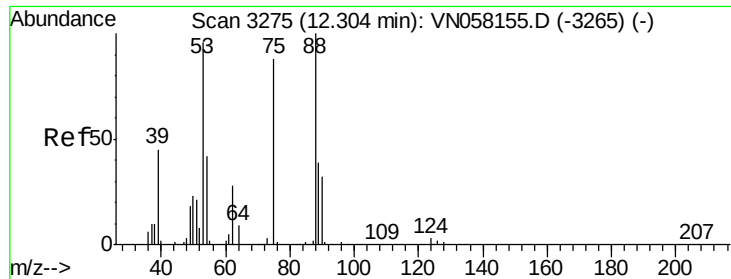
200000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.098 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

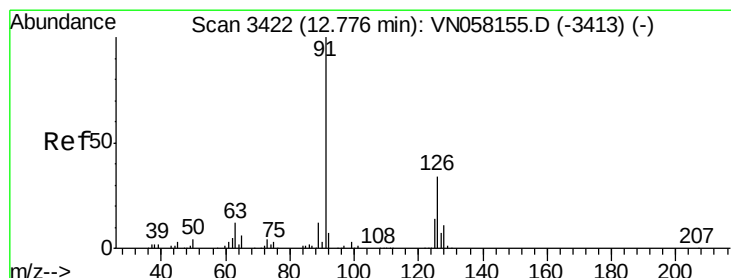
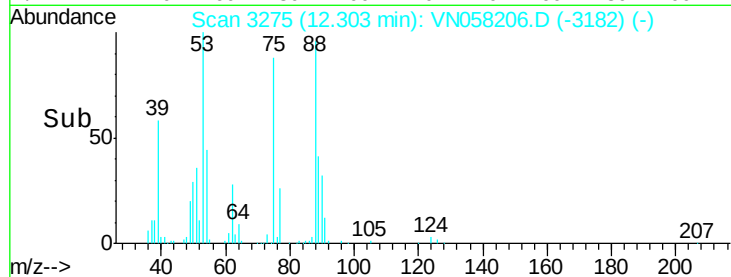
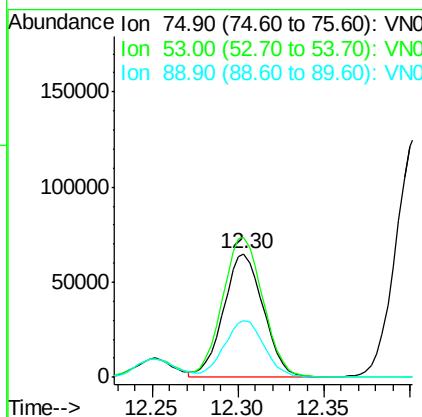
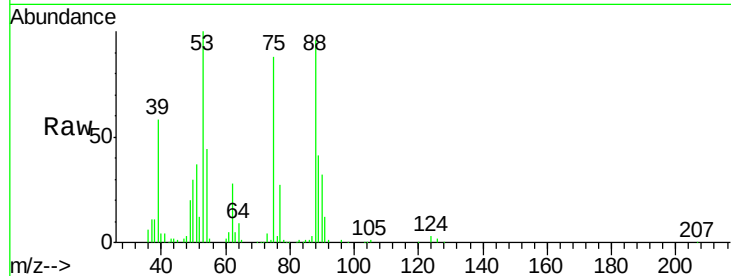
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	104117
Ion Ratio	Lower	Upper	
75	100		
53	116.3	90.1	135.1
89	46.9	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.766 ug/l

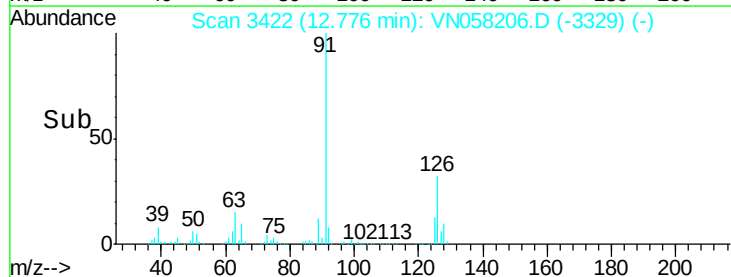
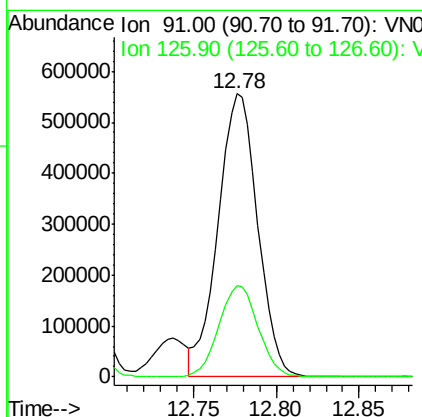
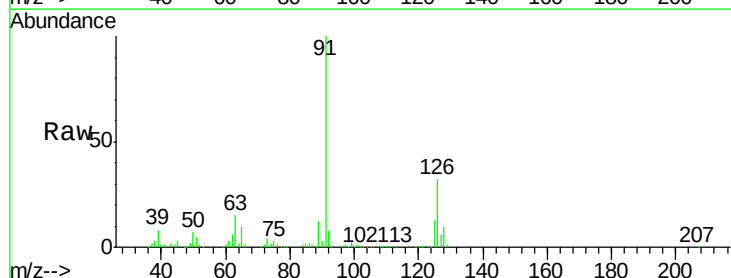
RT: 12.78 min Scan# 3422

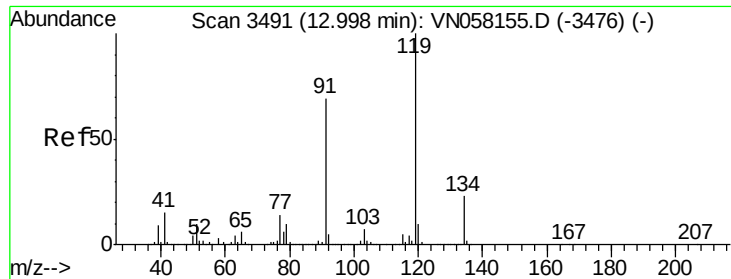
Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion:	91	Resp:	918714
Ion Ratio	Lower	Upper	
91	100		
126	32.1	15.7	47.1





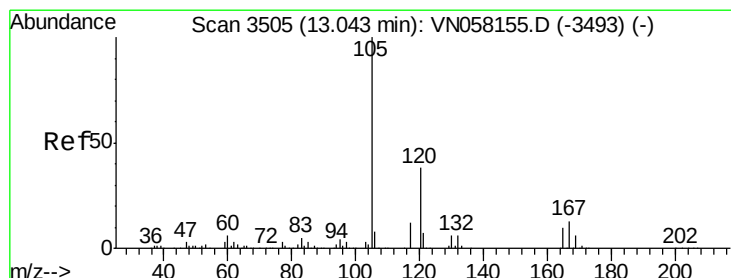
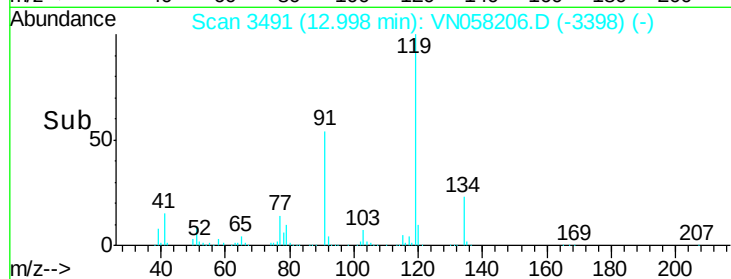
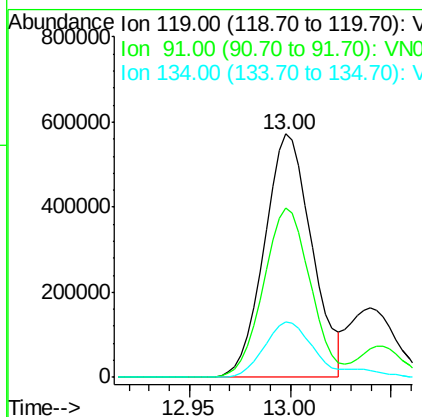
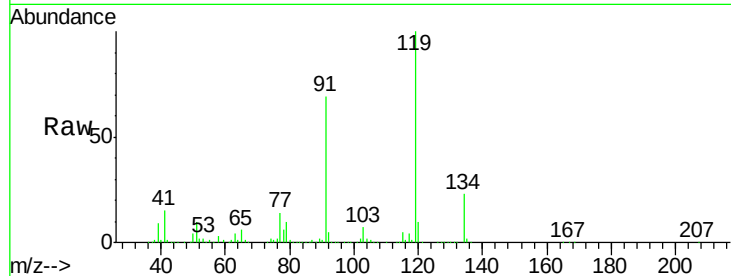
#83
 tert-Butylbenzene
 Concen: 52.212 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	33.8	101.3
134	23.2	11.6	34.8

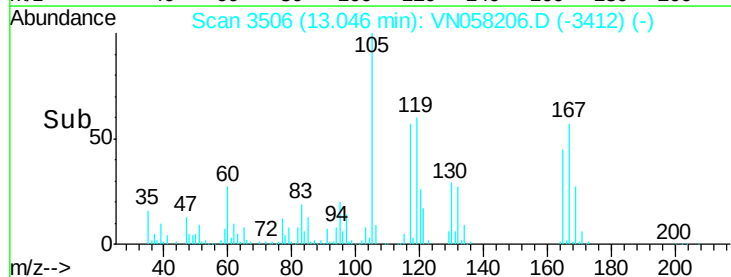
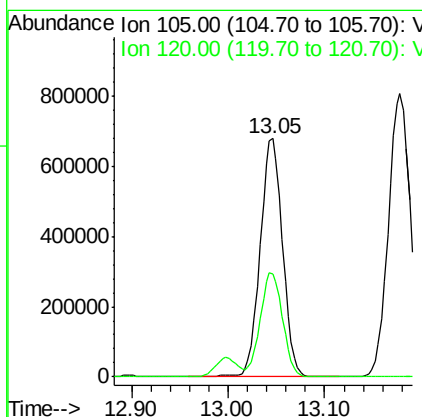
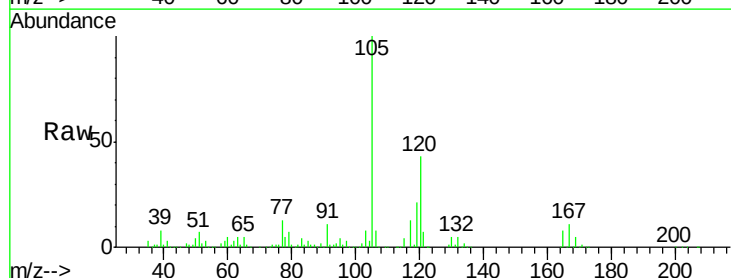
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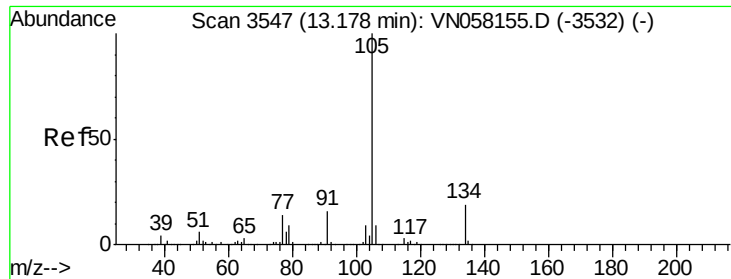
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.530 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 54.383 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1274924

Ion Ratio Lower Upper

105 100

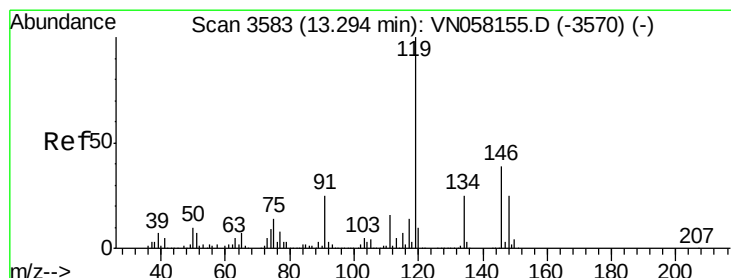
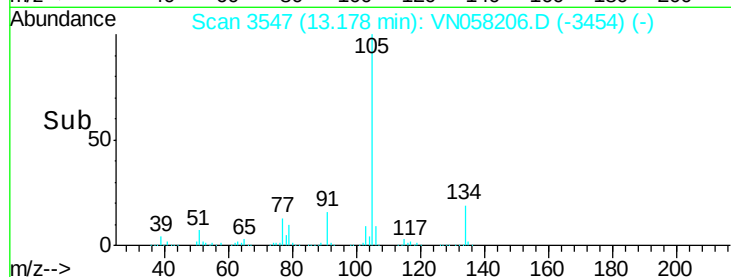
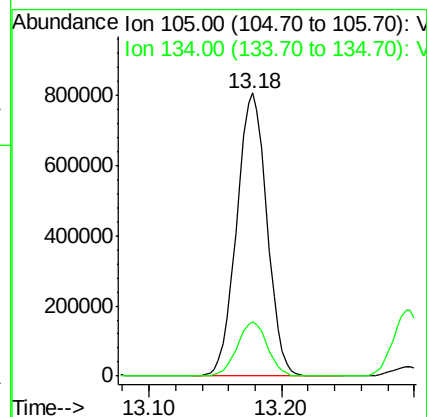
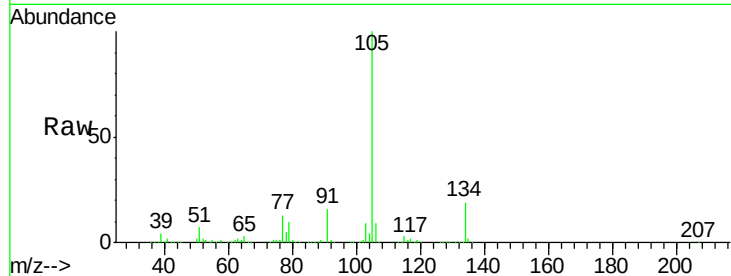
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 55.017 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

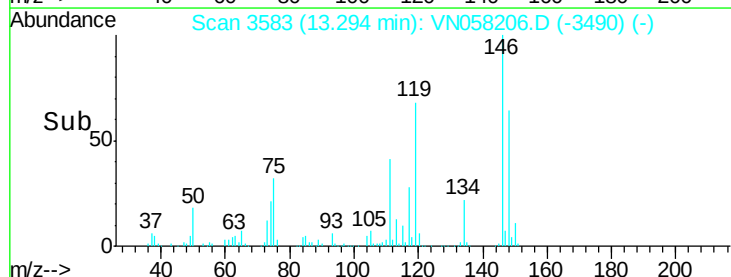
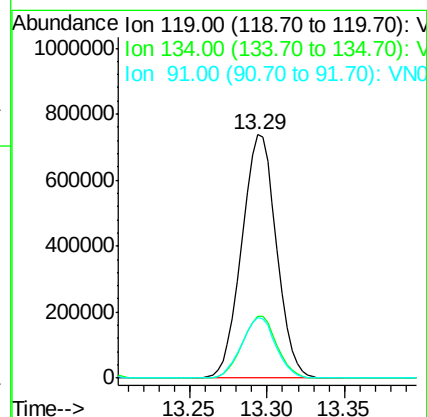
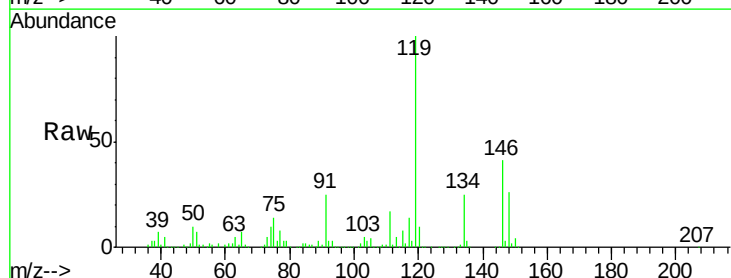
Tgt Ion:119 Resp: 1146635

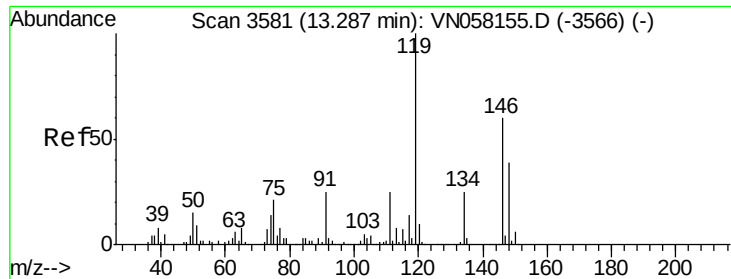
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 24.5 12.3 36.8





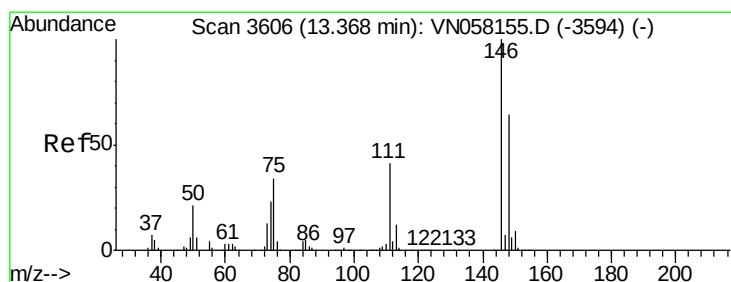
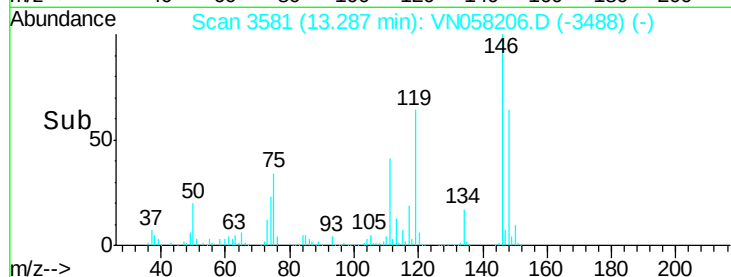
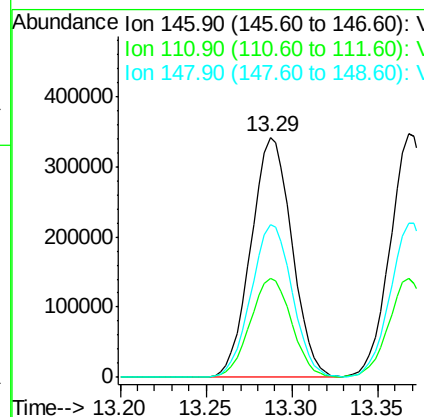
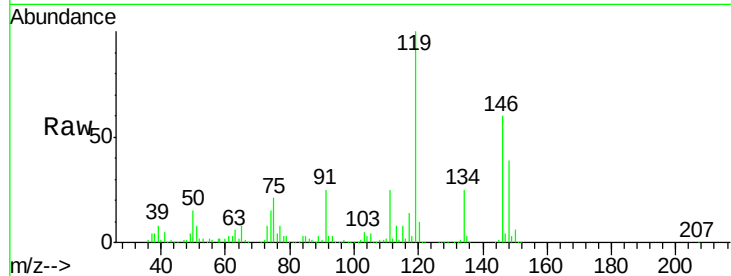
#87
 1,3-Dichlorobenzene
 Concen: 51.738 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	565110		
111	41.7	20.9	62.8	
148	63.8	32.0	96.2	

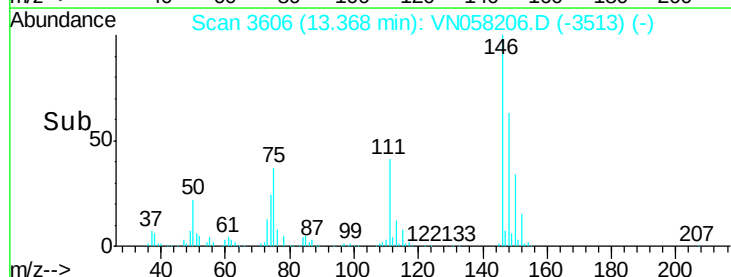
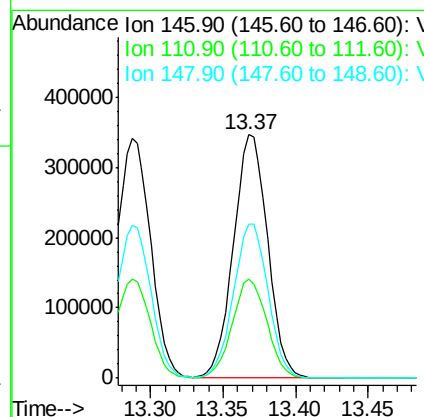
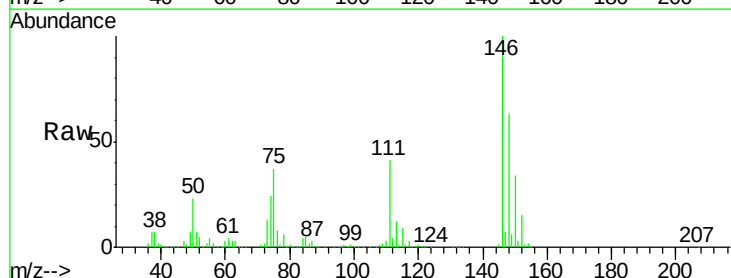
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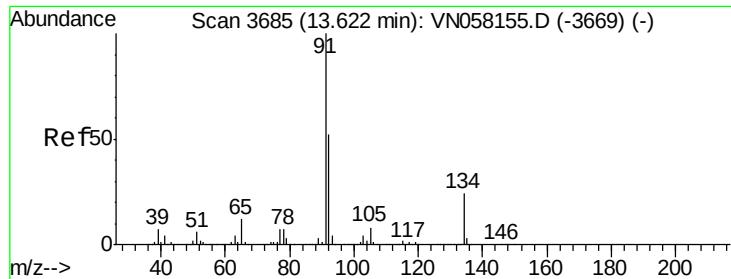
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#88
 1,4-Dichlorobenzene
 Concen: 50.727 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	565648		
111	41.2	20.5	61.5	
148	64.2	31.9	95.5	





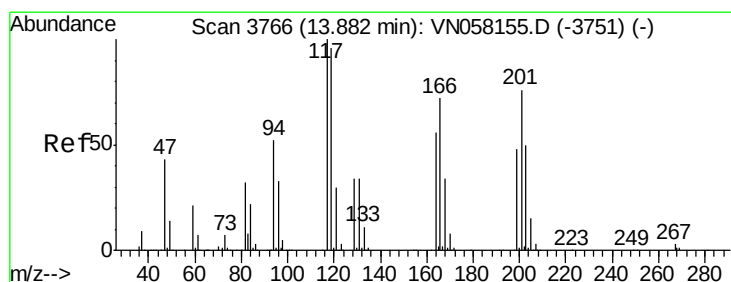
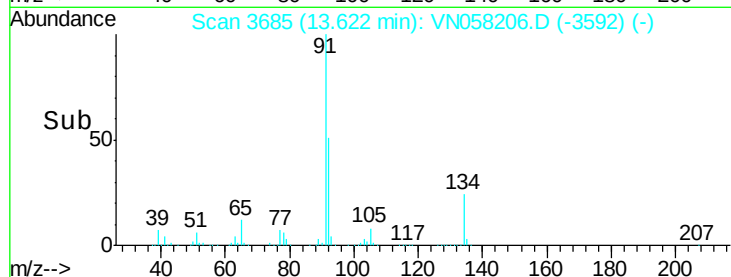
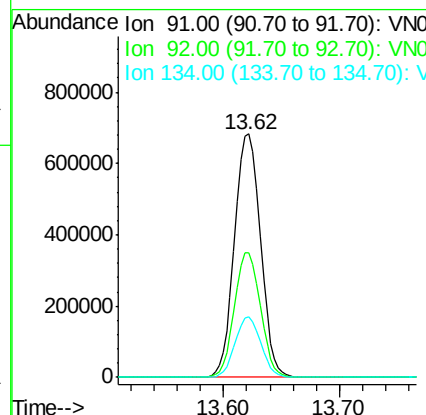
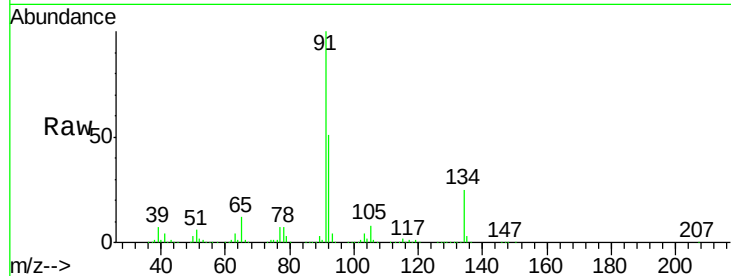
#89
n-Butylbenzene
Concen: 53.783 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1062722
Ion Ratio Lower Upper
91 100
92 51.2 25.7 77.0
134 24.5 11.8 35.4

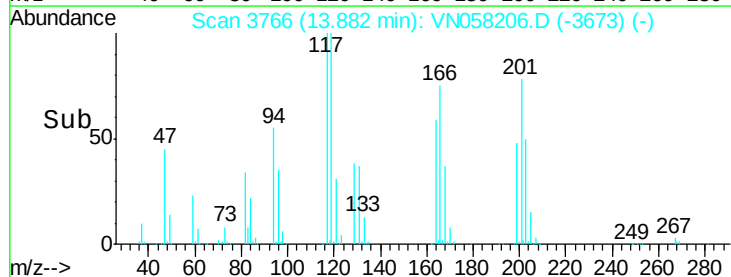
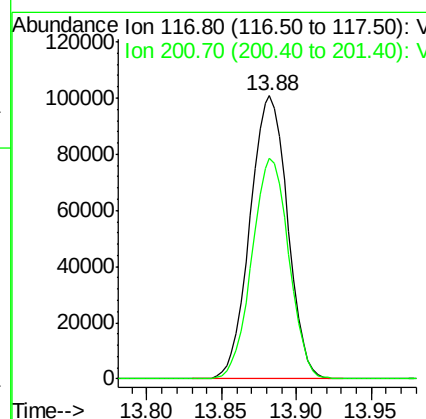
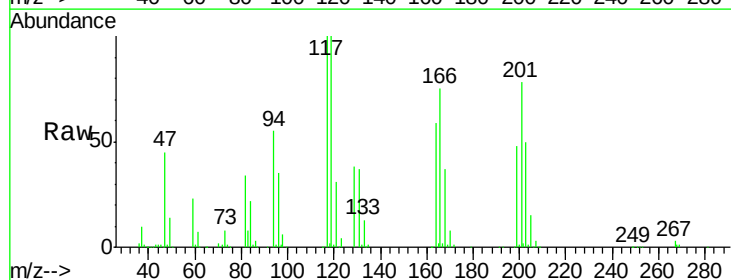
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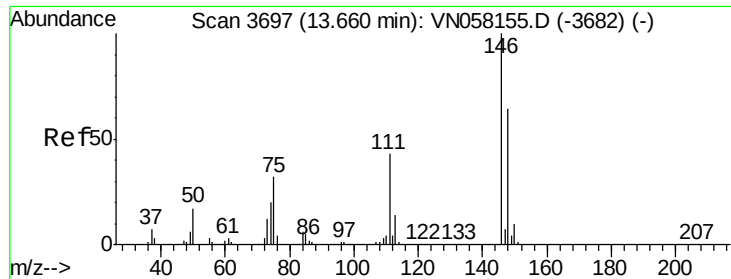
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#90
Hexachloroethane
Concen: 48.255 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058206.D
Acq: 19 Sep 2019 15:49

Tgt Ion: 117 Resp: 175975
Ion Ratio Lower Upper
117 100
201 76.7 37.5 112.5





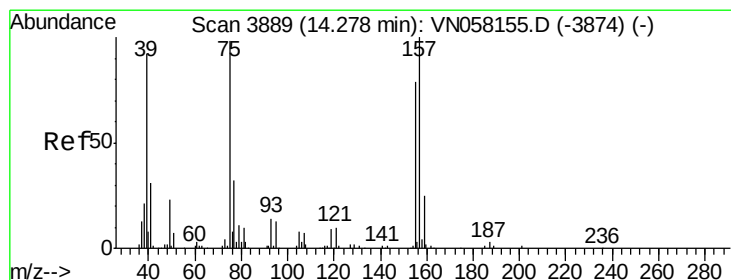
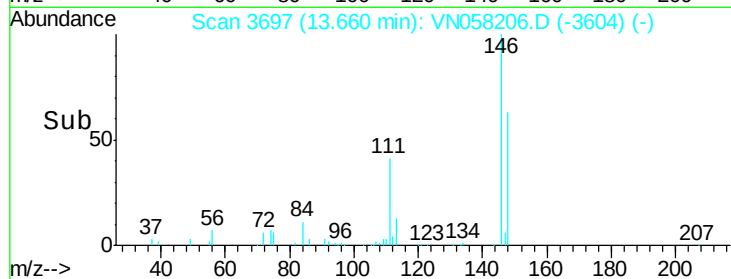
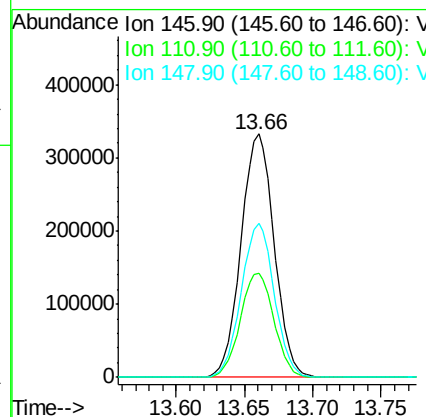
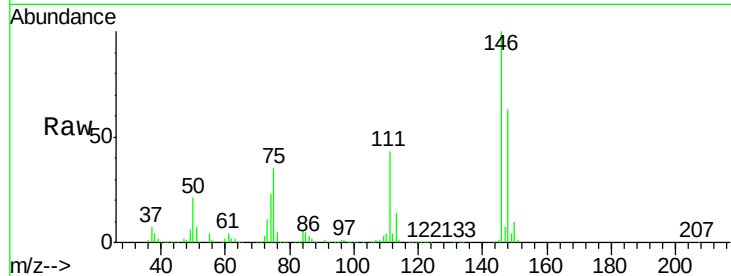
#91
 1,2-Dichlorobenzene
 Concen: 51.245 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.1
148	62.8	31.8	95.4

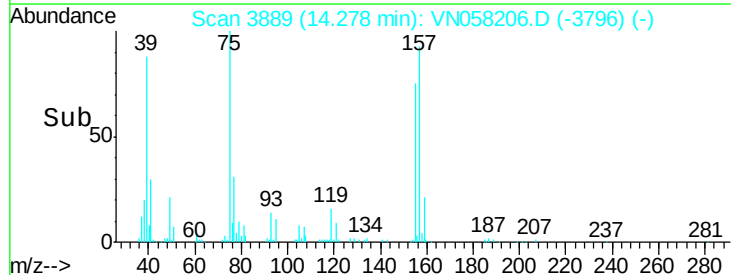
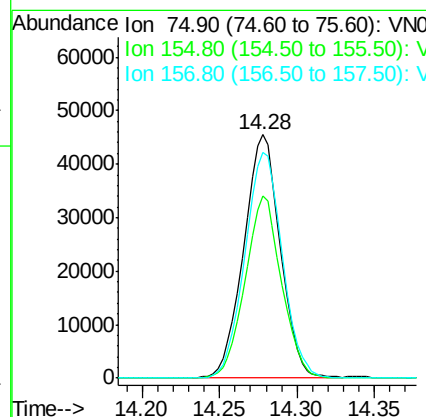
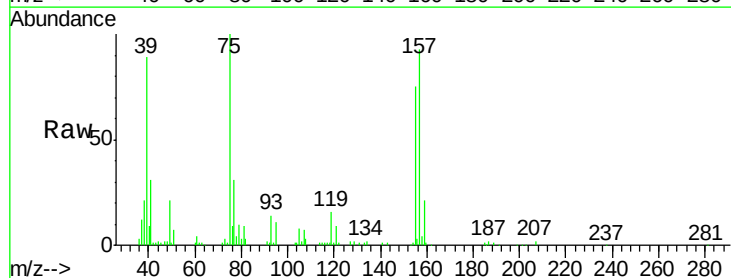
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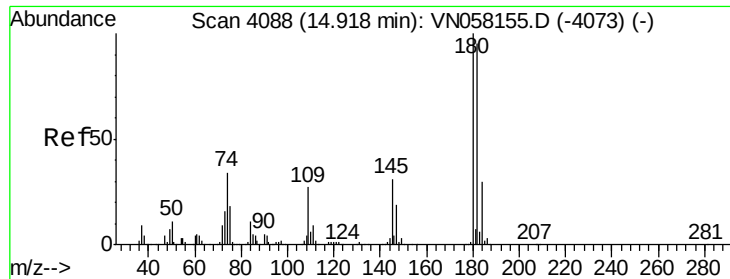
MMDadoda
 9/20/2019 3:37:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.304 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	38.3	114.8
157	94.6	48.0	144.0





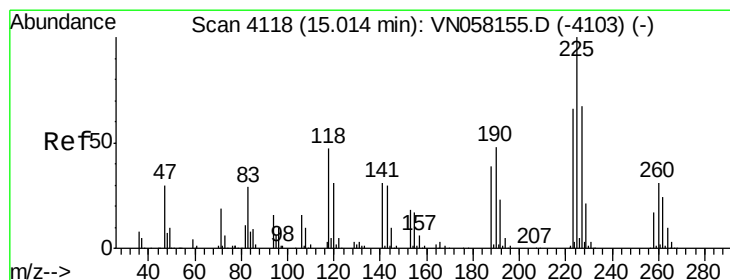
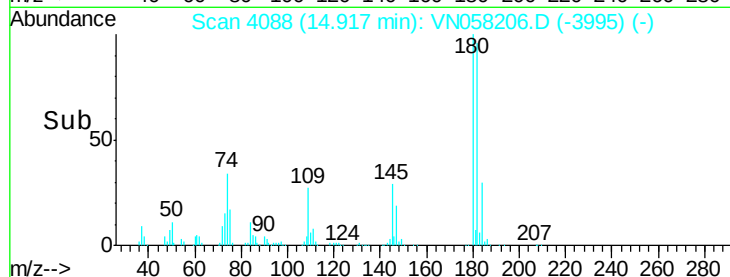
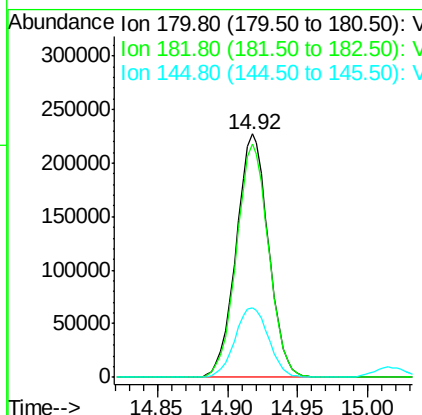
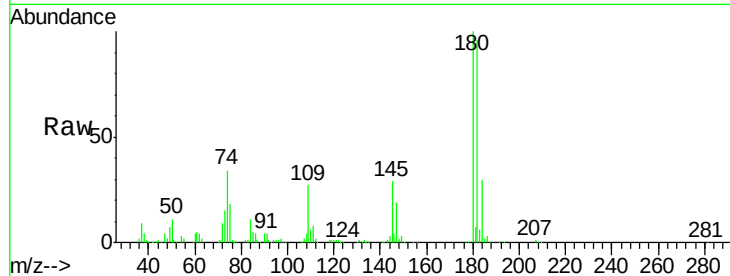
#93
 1,2,4-Trichlorobenzene
 Concen: 51.931 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	363531		
182	95.4	47.8	143.3	
145	29.9	15.4	46.4	

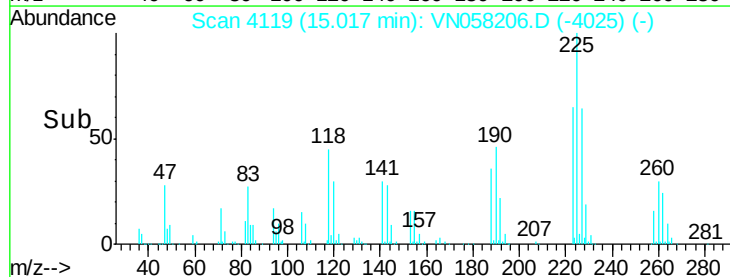
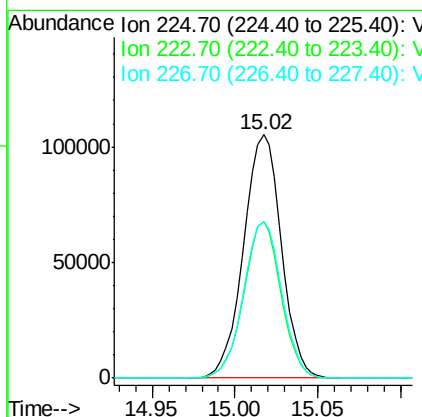
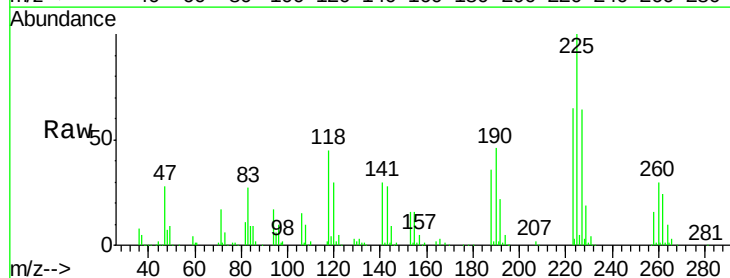
Manual Integrations
 APPROVED

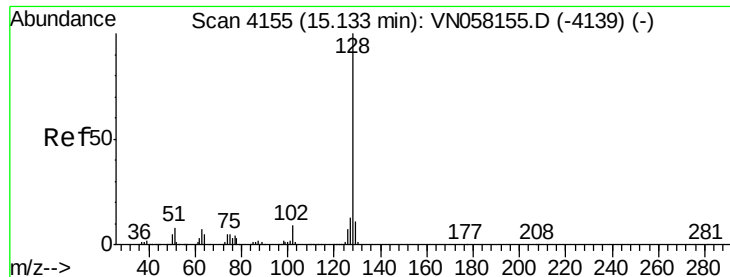
MMDadoda
 9/20/2019 3:37:34 PM



#94
 Hexachlorobutadiene
 Concen: 49.172 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058206.D
 Acq: 19 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166371		
223	63.2	32.6	97.7	
227	64.9	33.0	99.0	





#95

Naphthalene

Concen: 53.345 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Instrument :

MSVOA_N

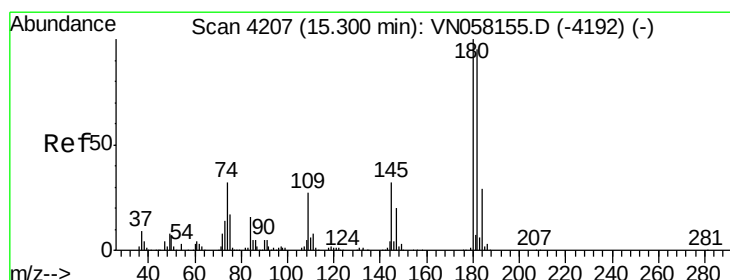
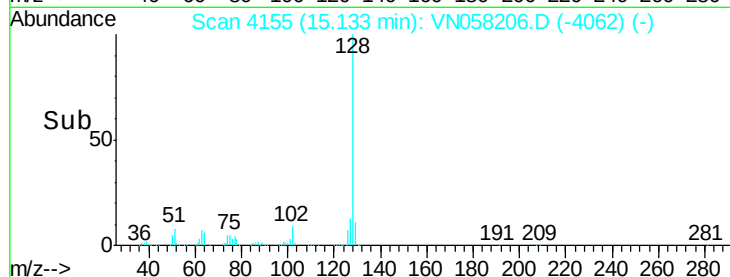
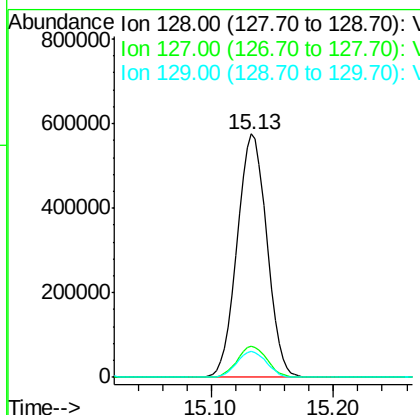
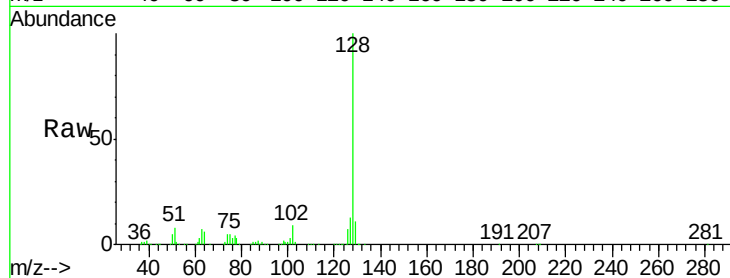
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	967782
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 3:37:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.365 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058206.D

Acq: 19 Sep 2019 15:49

Tgt Ion:	180	Resp:	339859
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.2
145	31.5	16.1	48.2

