

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053608.D
 Acq On : 4 Feb 2019 20:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:54:33 AM

Quant Time: Feb 05 03:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	758903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1180161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1035478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	487684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	381429	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	363571	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.09	98	1343800	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	456809	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	403687	47.203	ug/l	100
3) Chloromethane	2.06	50	454341	50.428	ug/l	99
4) Vinyl Chloride	2.19	62	437279	49.997	ug/l	100
5) Bromomethane	2.57	94	275234	48.130	ug/l	99
6) Chloroethane	2.71	64	251335	50.287	ug/l	99
7) Trichlorofluoromethane	3.02	101	569888	48.050	ug/l	100
8) Diethyl Ether	3.41	74	216254	49.926	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	347264	47.343	ug/l	98
10) Methyl Iodide	3.96	142	560242	48.662	ug/l	100
11) Tert butyl alcohol	4.77	59	115357	256.024	ug/l	99
12) 1,1-Dichloroethene	3.74	96	348776	49.629	ug/l	97
13) Acrolein	3.61	56	116828	476.233	ug/l	100
14) Allyl chloride	4.33	41	520412	46.509	ug/l	94
15) Acrylonitrile	4.99	53	645602	265.416	ug/l	99
16) Acetone	3.82	43	410807	210.366	ug/l	99
17) Carbon Disulfide	4.06	76	997646	45.591	ug/l	100
18) Methyl Acetate	4.33	43	293529	50.754	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	931456	52.284	ug/l	99
20) Methylene Chloride	4.55	84	389541	47.546	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	366744	48.371	ug/l	97
22) Diisopropyl ether	5.95	45	1094051	52.768	ug/l	97
23) Vinyl Acetate	5.90	43	3803280	265.168	ug/l	99
24) 1,1-Dichloroethane	5.85	63	676731	48.936	ug/l	98
25) 2-Butanone	6.84	43	691180	248.166	ug/l	99
26) 2,2-Dichloropropane	6.83	77	468514	44.382	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	428161	50.786	ug/l	96
28) Bromochloromethane	7.20	49	302907	50.475	ug/l	97
29) Tetrahydrofuran	7.21	42	476311	266.329	ug/l	99
30) Chloroform	7.37	83	666816	48.643	ug/l	100
31) Cyclohexane	7.66	56	613285	47.625	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566561	49.662	ug/l	98
36) 1,1-Dichloropropene	7.80	75	513867	48.303	ug/l	99
37) Ethyl Acetate	6.93	43	319545	53.781	ug/l	100
38) Carbon Tetrachloride	7.78	117	496139	46.294	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	579553	45.918	ug/l	99
40) Benzene	8.04	78	1573549	47.965	ug/l	99
41) Methacrylonitrile	7.17	41	165669	49.889	ug/l	90
42) 1,2-Dichloroethane	8.12	62	466297	47.870	ug/l	100
43) Isopropyl Acetate	8.16	43	569113	49.598	ug/l	98
44) Trichloroethene	8.84	130	431625	46.214	ug/l	97
45) 1,2-Dichloropropane	9.12	63	410085	48.872	ug/l	98
46) Dibromomethane	9.21	93	240640	47.574	ug/l	98
47) Bromodichloromethane	9.40	83	509890	48.483	ug/l	100
48) Methyl methacrylate	9.20	41	268021	48.933	ug/l	94
49) 1,4-Dioxane	9.20	88	73374	927.459	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1503690	266.678	ug/l	100
52) Toluene	10.16	92	948011	48.690	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	517161	49.108	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	607675	48.695	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	350620	49.975	ug/l	99
56) Ethyl methacrylate	10.43	69	436298	52.567	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585940	48.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1206220	234.839	ug/l	99
59) 2-Hexanone	10.75	43	951759	248.639	ug/l	98
60) Dibromochloromethane	10.90	129	386470	48.848	ug/l	99
61) 1,2-Dibromoethane	11.01	107	332959	47.948	ug/l	99
64) Tetrachloroethene	10.63	164	402651	45.362	ug/l	99
65) Chlorobenzene	11.44	112	1035734	47.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	373324	48.601	ug/l	99
67) Ethyl Benzene	11.51	91	1750321	48.444	ug/l	100
68) m/p-Xylenes	11.62	106	1352005	98.045	ug/l	98
69) o-Xylene	11.95	106	660578	49.585	ug/l	99
70) Styrene	11.97	104	1073031	49.694	ug/l	100
71) Bromoform	12.13	173	267669	50.828	ug/l #	99
73) Isopropylbenzene	12.25	105	1697710	49.520	ug/l	100
74) N-amyl acetate	12.07	43	441120	53.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	405038	49.365	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	334403m	53.385	ug/l	
77) Bromobenzene	12.53	156	450950	48.806	ug/l	99
78) n-propylbenzene	12.59	91	1951205	49.233	ug/l	100
79) 2-Chlorotoluene	12.68	91	1157251	49.218	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1440769	50.679	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	108792	48.837	ug/l	100
82) 4-Chlorotoluene	12.77	91	1182042	48.991	ug/l	100
83) tert-Butylbenzene	12.99	119	1256048	49.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1473364	50.868	ug/l	99
85) sec-Butylbenzene	13.17	105	1686046	49.311	ug/l	100
86) p-Isopropyltoluene	13.29	119	1488054	49.761	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	789494	47.532	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	787934	47.957	ug/l	99
89) n-Butylbenzene	13.62	91	1249447	48.271	ug/l	100
90) Hexachloroethane	13.87	117	243384	49.342	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	764032	48.049	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58078	49.667	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	446085	48.914	ug/l	99
94) Hexachlorobutadiene	15.01	225	234755	41.334	ug/l	99
95) Naphthalene	15.13	128	1012643	47.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	414855	49.025	ug/l	100

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

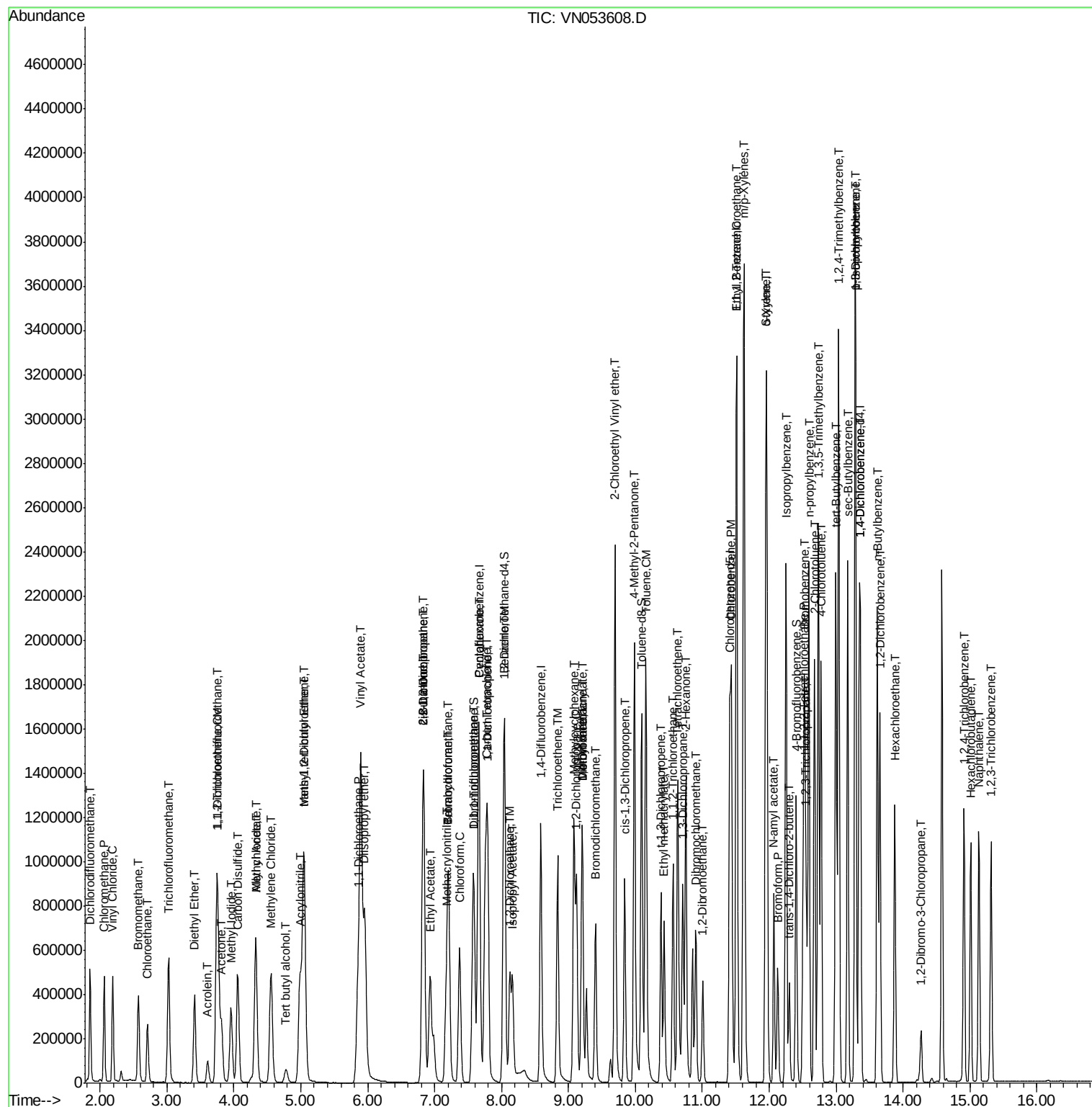
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Data File : VN053608.D
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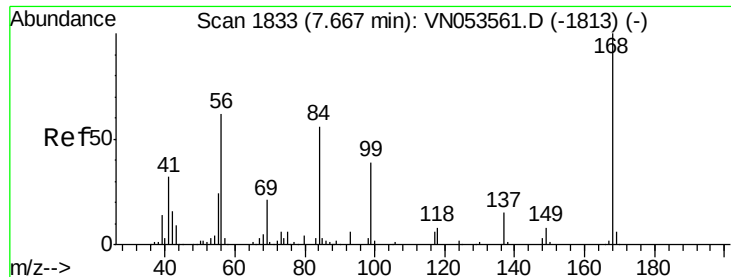
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 758903

Ion Ratio Lower Upper

168 100

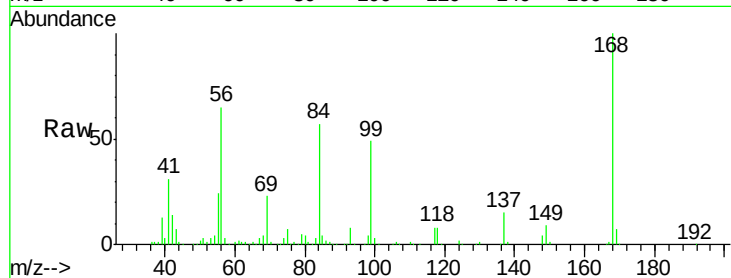
99 48.1 39.1 58.7

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

7.67

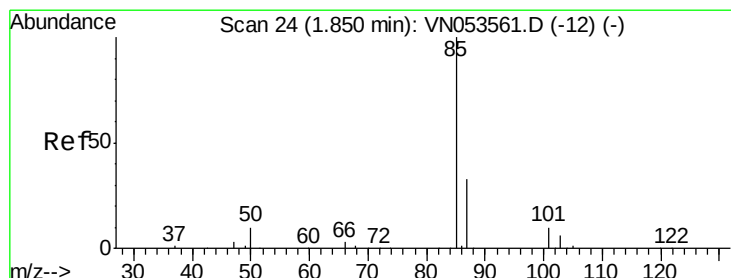
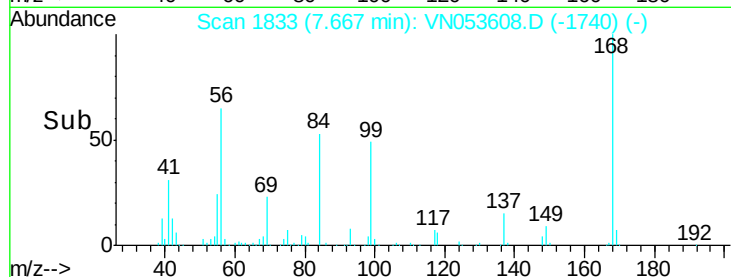
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 47.203 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053608.D

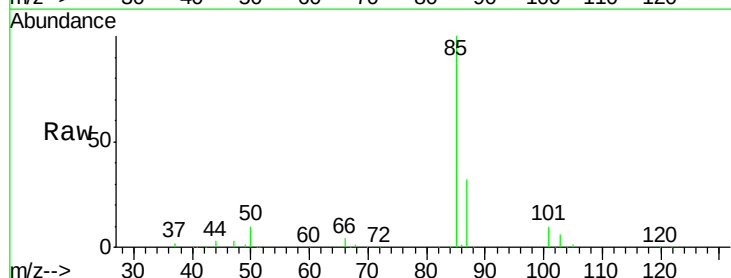
Acq: 4 Feb 2019 20:24

Tgt Ion: 85 Resp: 403687

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

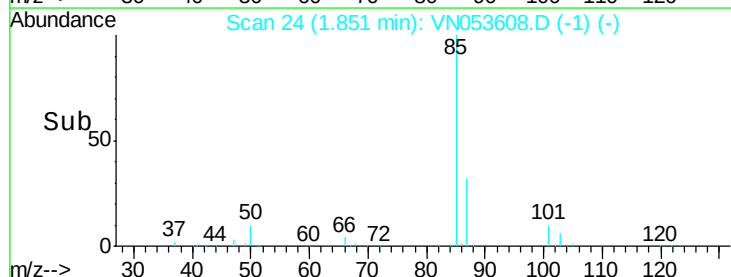
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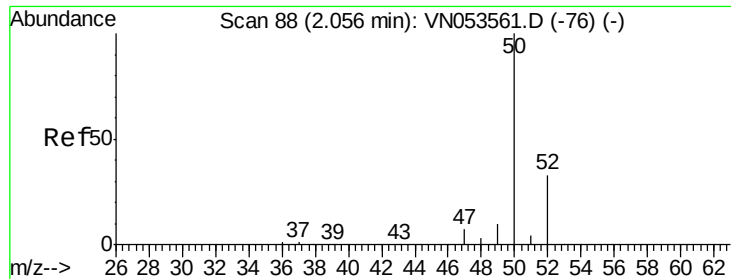
200000

100000

0

Time--> 1.80 1.85 1.90 1.95





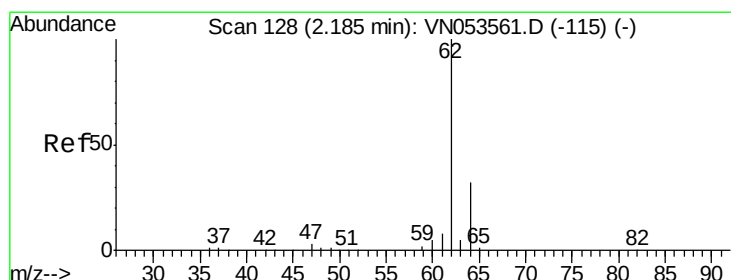
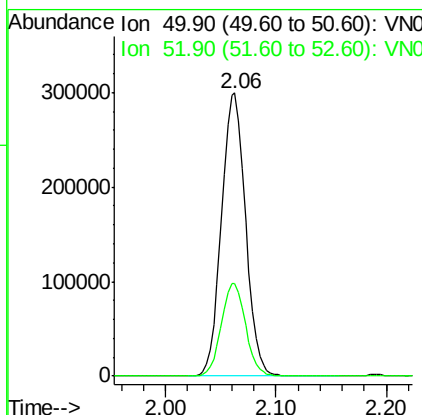
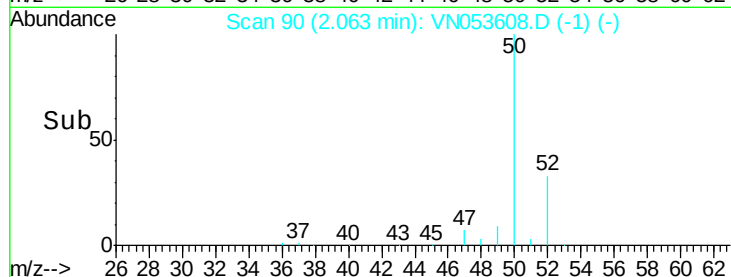
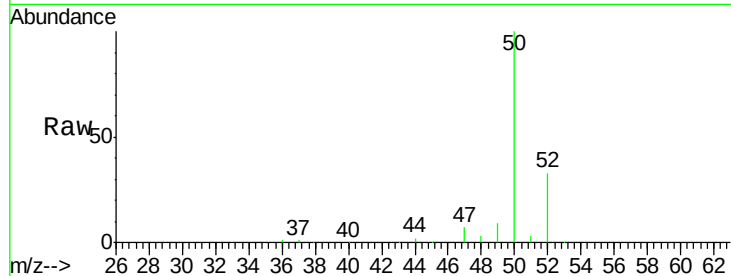
#3
 Chloromethane
 Concen: 50.428 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.01 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	40.0

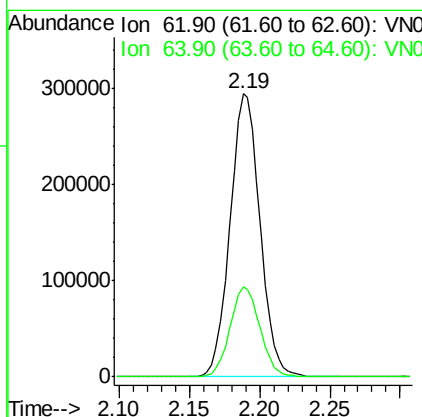
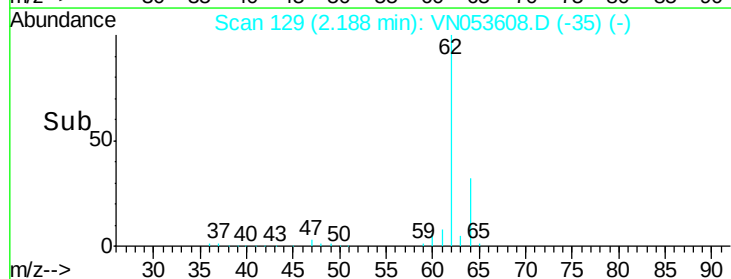
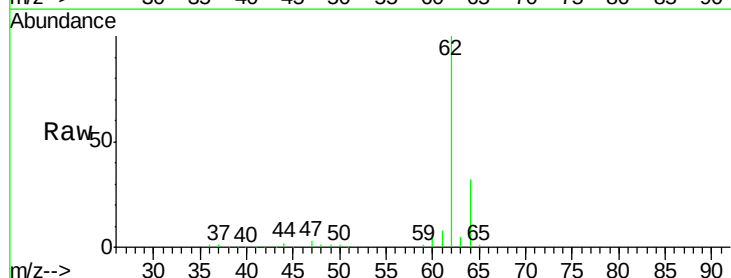
Manual Integrations
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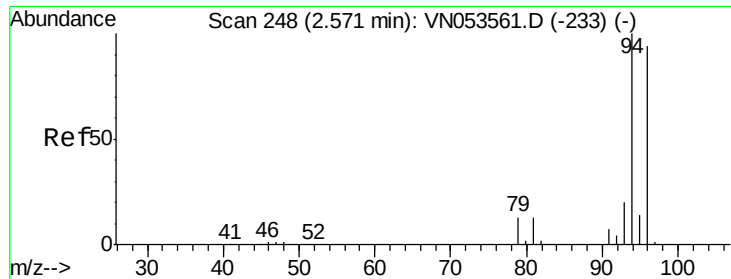
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 2/5/2019 9:54:33 AM



#4
 Vinyl Chloride
 Concen: 49.997 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.4	38.2





#5

Bromomethane

Concen: 48.130 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tot Ion: 94 Resp: 275234

Ion Ratio Lower Upper

94 100

96 95.1 76.8 115.2

Instrument :

MSVOA_N

ClientSampleId :

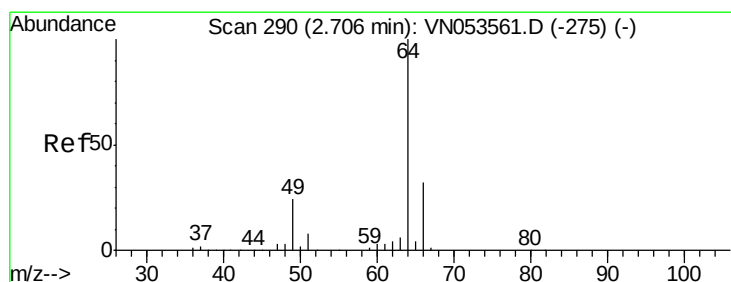
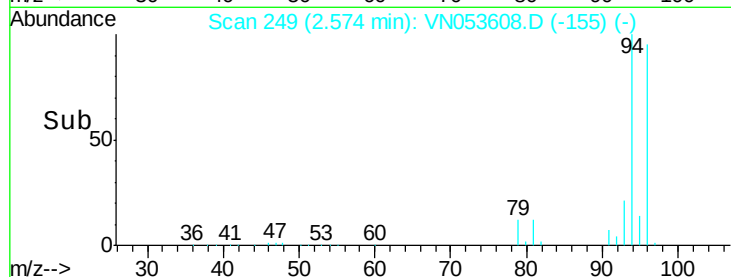
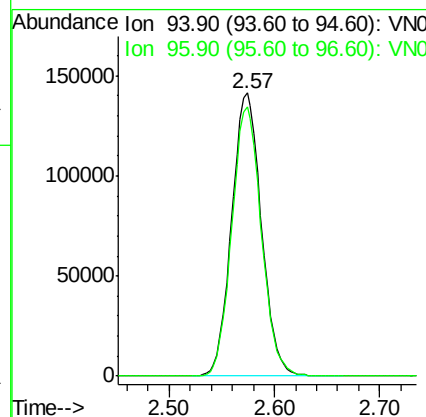
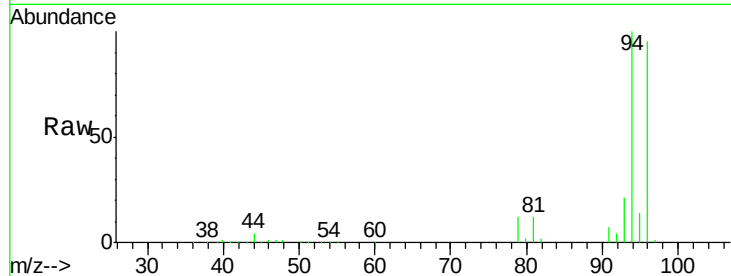
VSTDCCC050EC

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#6

Chloroethane

Concen: 50.287 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053608.D

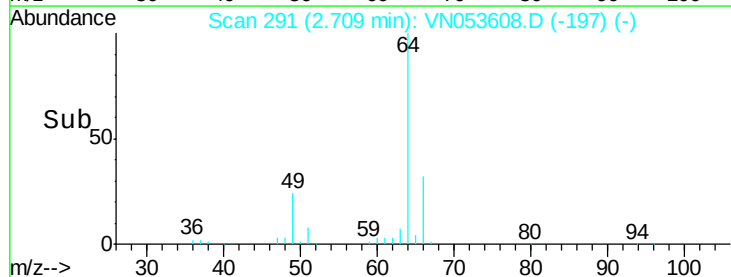
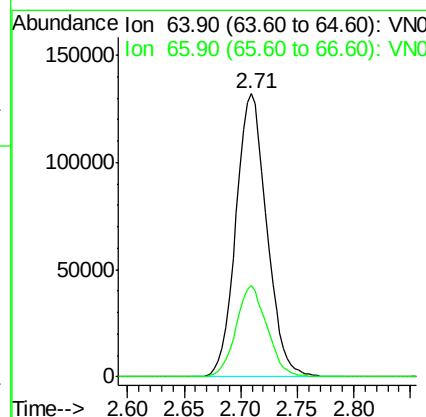
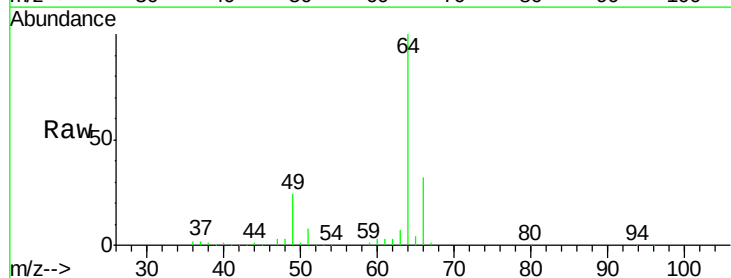
Acq: 4 Feb 2019 20:24

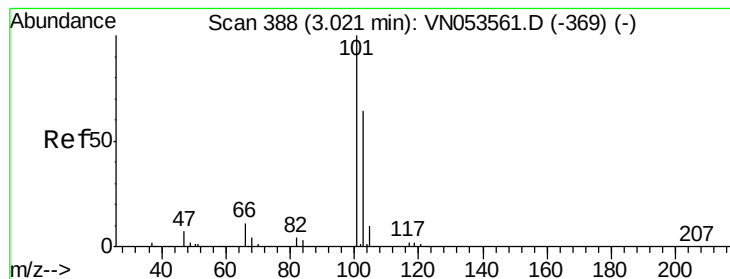
Tgt Ion: 64 Resp: 251335

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

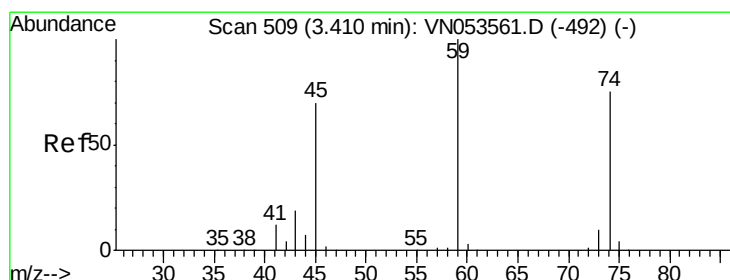
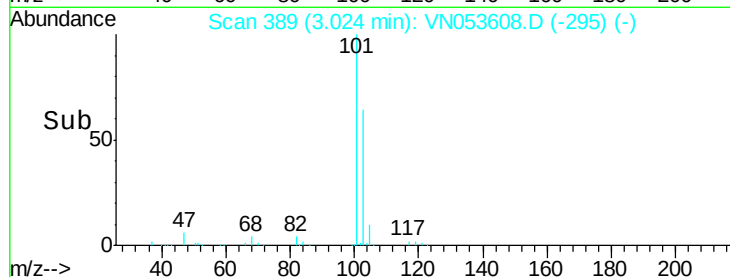
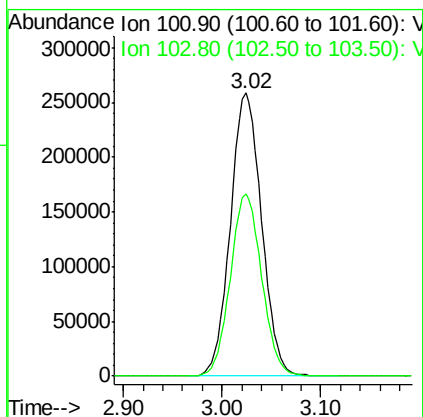
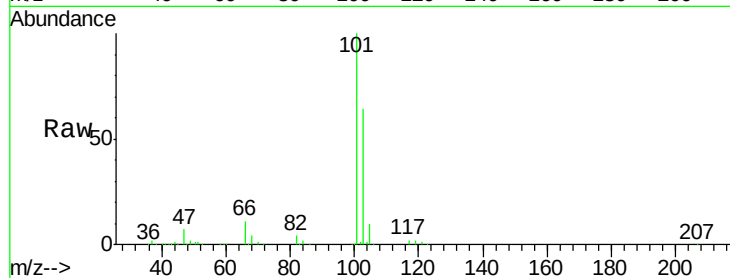
Trichlorofluoromethane
Concen: 48.050 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

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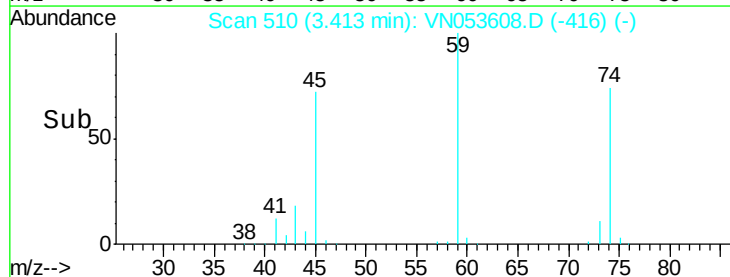
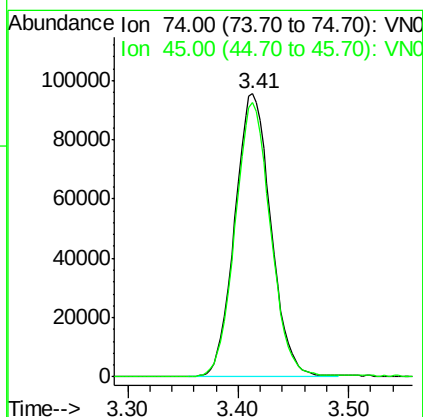
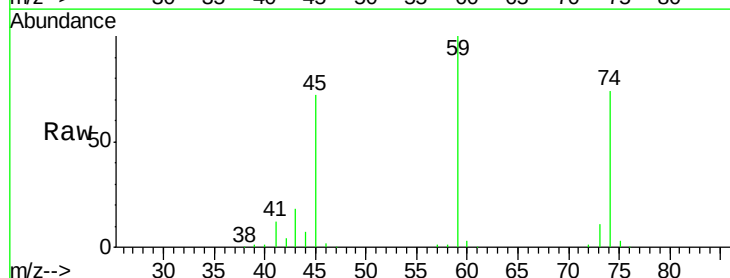
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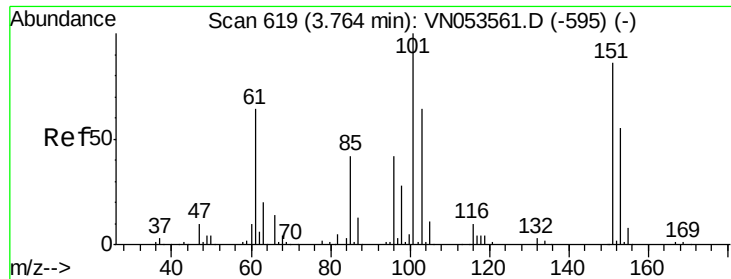


#8

Diethyl Ether
Concen: 49.926 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.343 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053608.D

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Instrument :

MSVOA_N

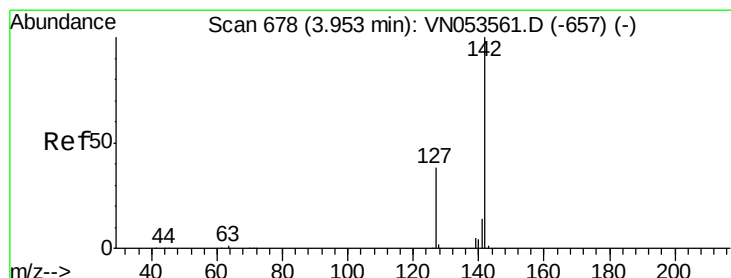
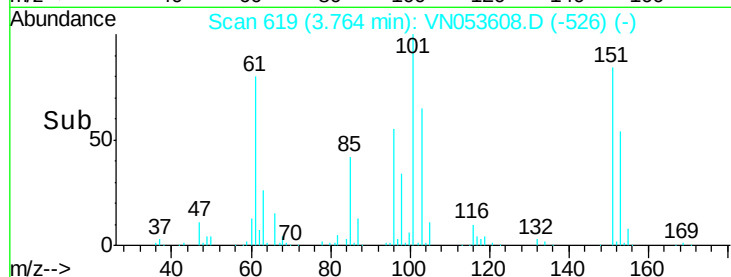
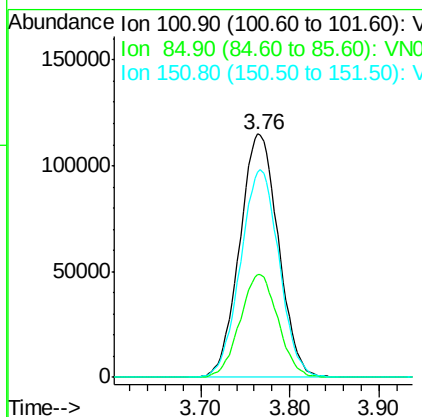
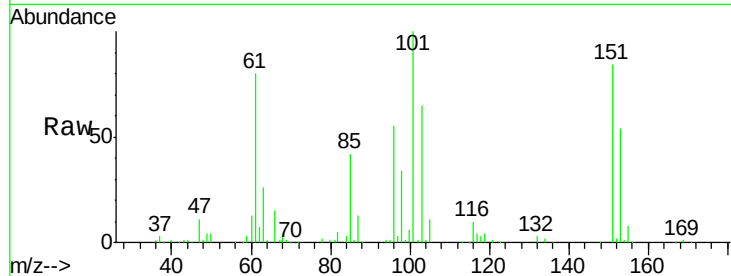
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	347264
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.8	49.2
151	85.3	66.9	100.3

Manual Integrations
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2/5/2019 9:54:33 AM



#10

Methyl Iodide

Concen: 48.662 ug/l

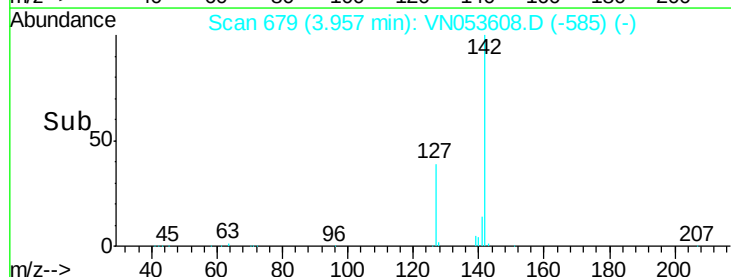
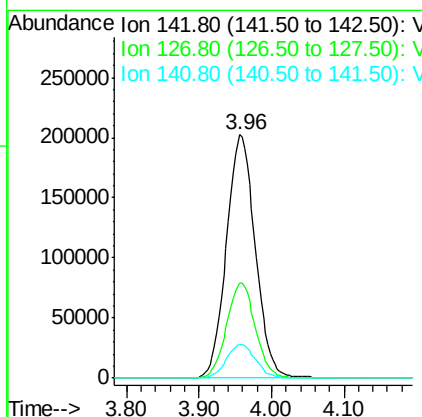
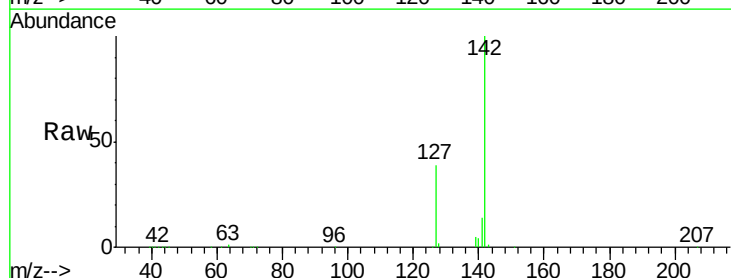
RT: 3.96 min Scan# 679

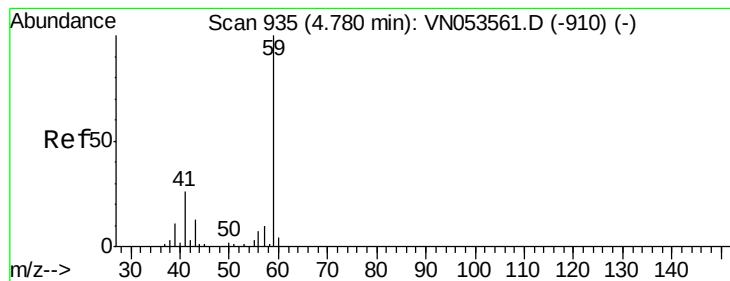
Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion:	142	Resp:	560242
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.0	11.1	16.7





#11

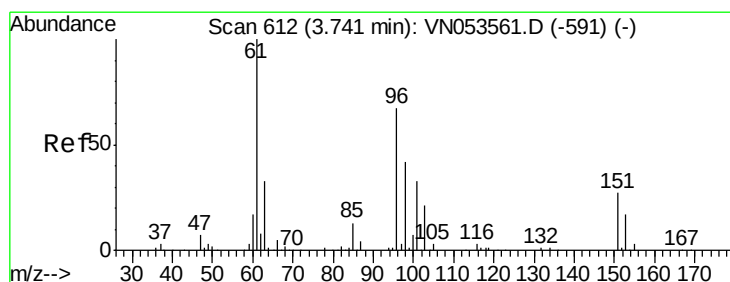
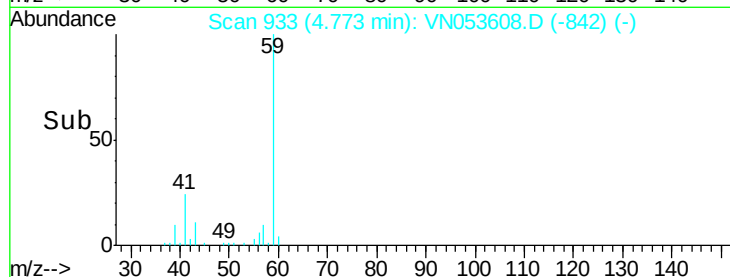
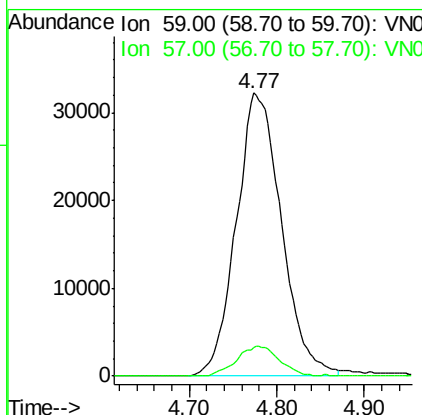
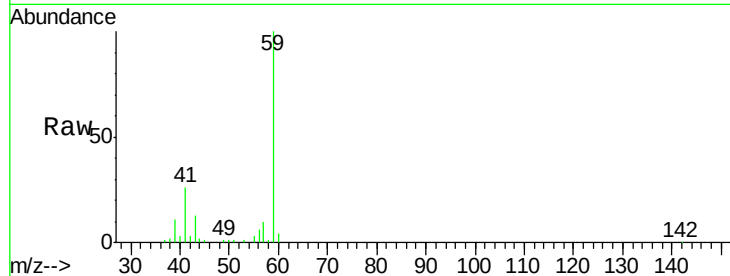
Tert butyl alcohol
 Concen: 256.024 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
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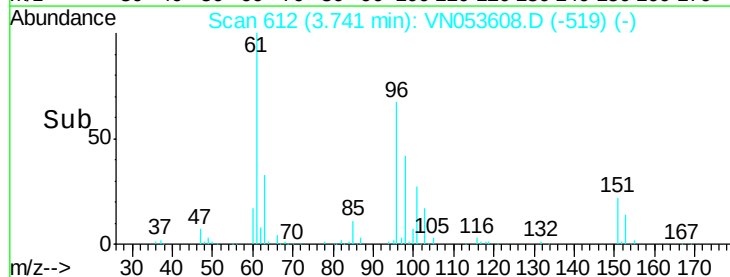
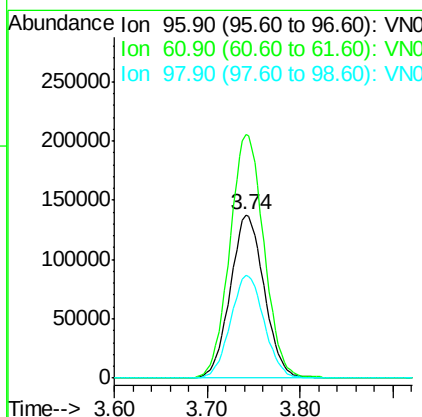
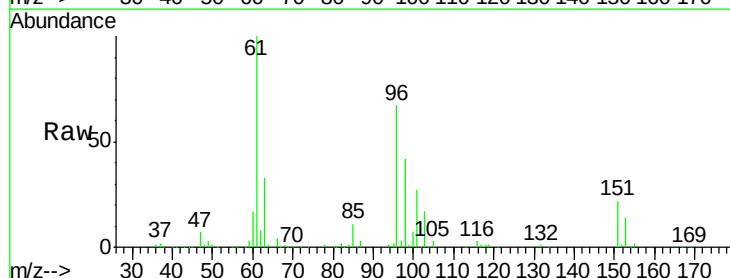
MMDadoda
 2/5/2019 9:54:33 AM

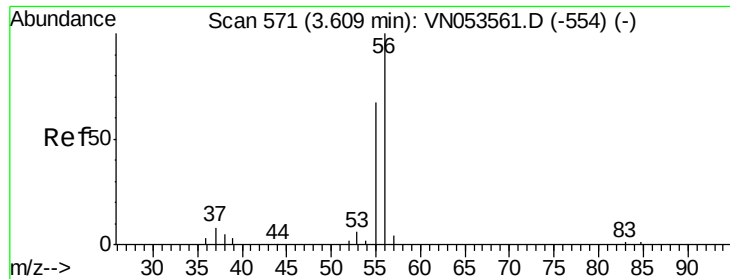


#12

1,1-Dichloroethene
 Concen: 49.629 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	122.9	184.3
98	62.6	49.4	74.0





#13

Acrolein

Concen: 476.233 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 116828

Ion Ratio Lower Upper

56 100

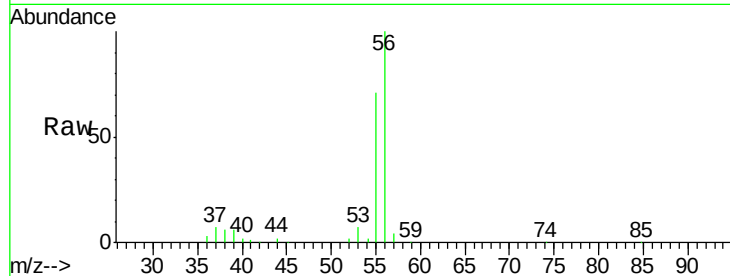
55 71.6 57.4 86.0

Manual Integrations

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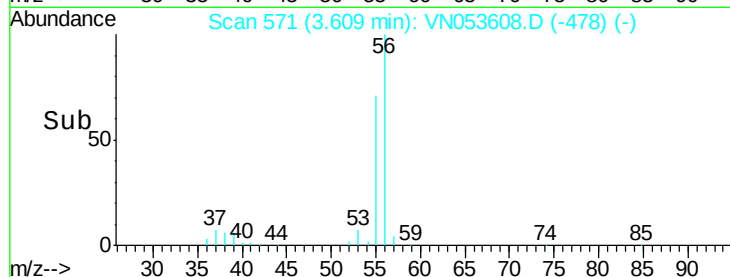


Abundance Ion 56.00 (55.70 to 56.70): VN053561.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN053561.D (-554) (-)

3.61

Time-->

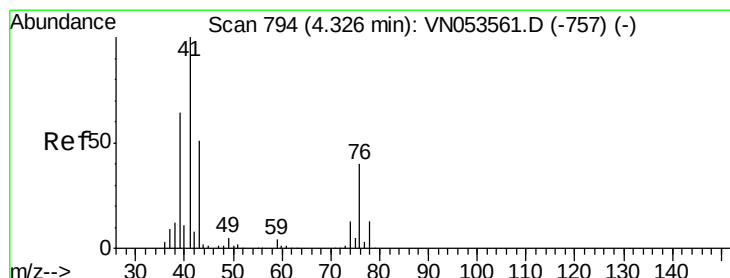


Abundance Ion 56.00 (55.70 to 56.70): VN053608.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN053608.D (-478) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 46.509 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

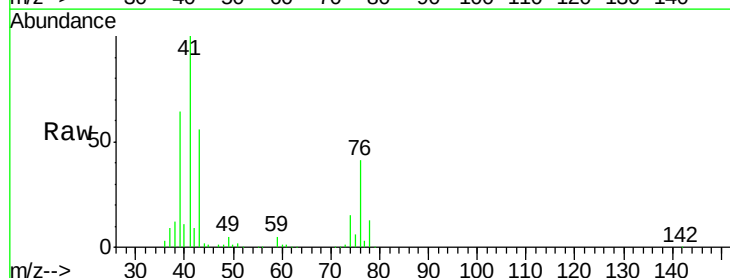
Tgt Ion: 41 Resp: 520412

Ion Ratio Lower Upper

41 100

39 65.2 48.9 73.3

76 40.3 29.4 44.2



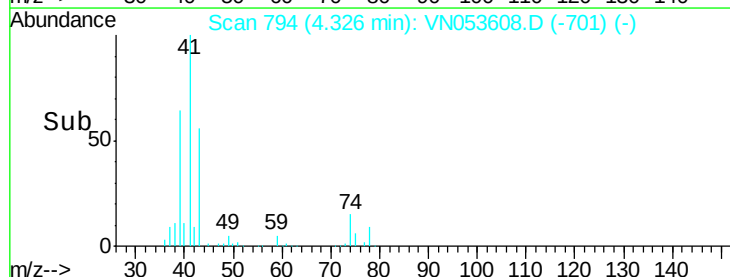
Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN053561.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN053561.D (-757) (-)

4.33

Time-->



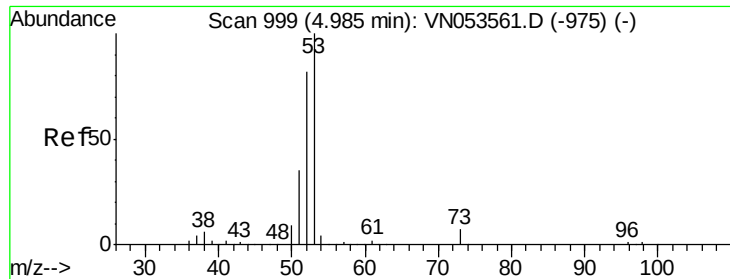
Abundance Ion 41.00 (40.70 to 41.70): VN053608.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN053608.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN053608.D (-701) (-)

4.33

Time-->



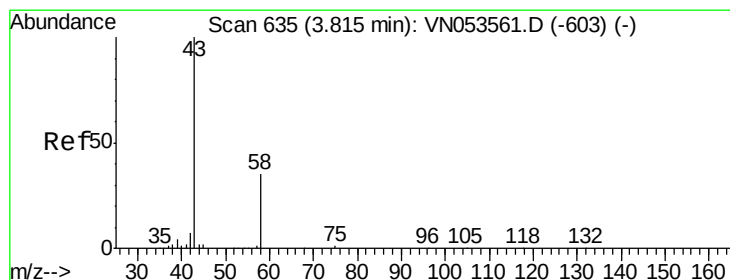
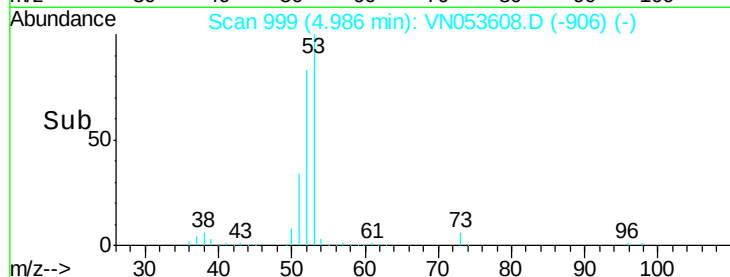
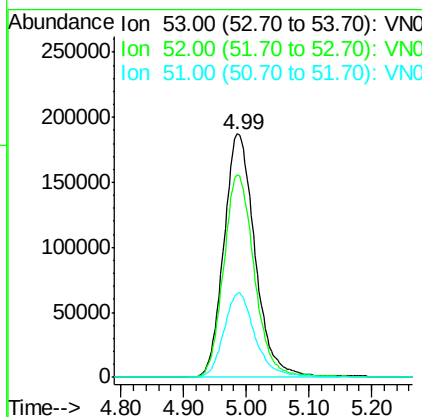
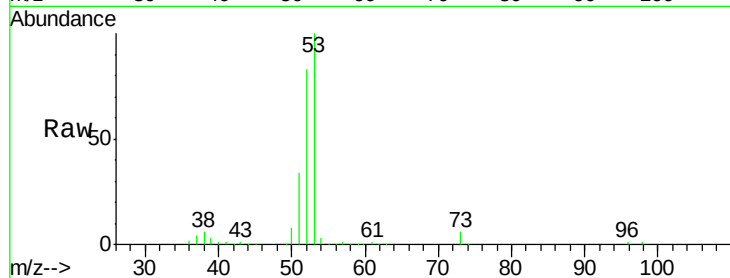
#15
 Acrylonitrile
 Concen: 265.416 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	645602
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.0	99.0
51	34.8	28.3	42.5

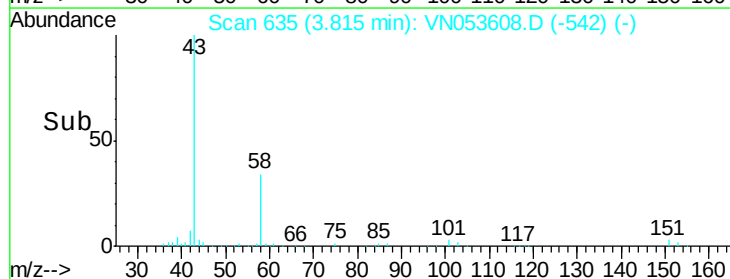
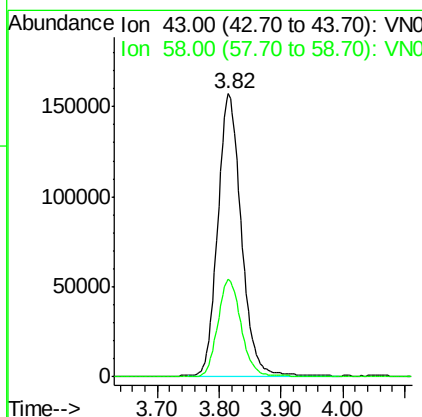
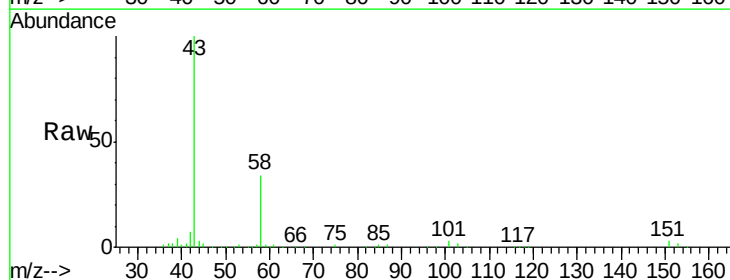
Manual Integrations
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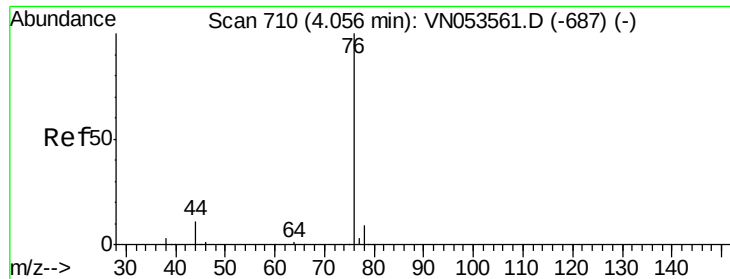
MMDadoda
 2/5/2019 9:54:33 AM



#16
 Acetone
 Concen: 210.366 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion:	43	Resp:	410807
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.1	40.7





#17

Carbon Disulfide

Concen: 45.591 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tot Ion: 76 Resp: 997646

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

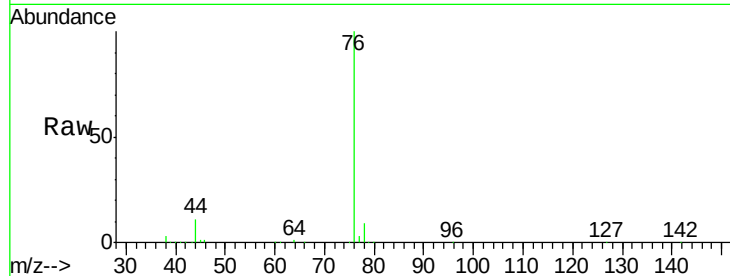
VSTDCCC050EC

Manual Integrations

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2/5/2019 9:54:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

400000

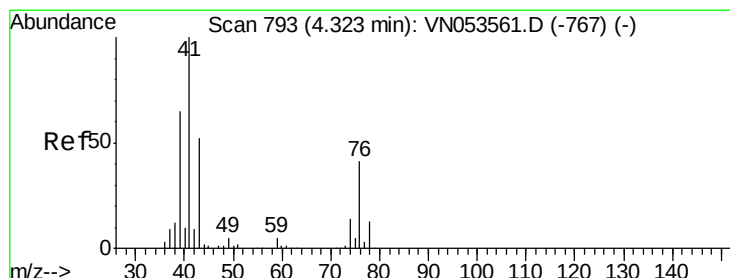
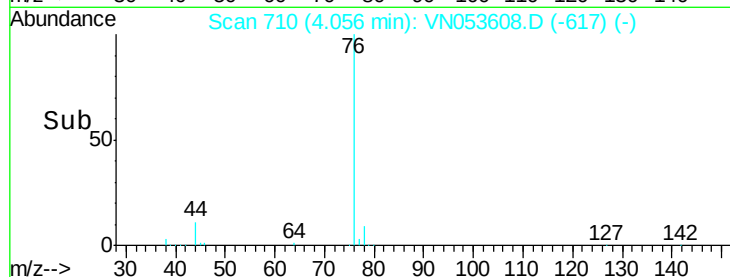
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.754 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053608.D

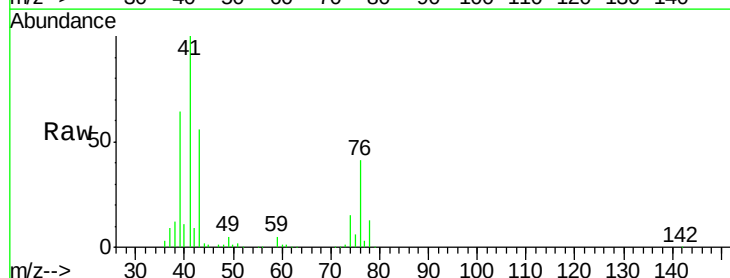
Acq: 4 Feb 2019 20:24

Tgt Ion: 43 Resp: 293529

Ion Ratio Lower Upper

43 100

74 25.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

120000

100000

80000

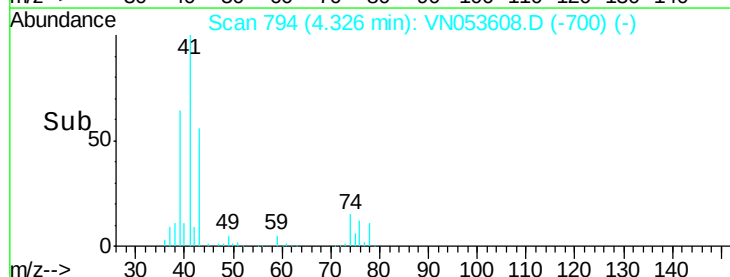
60000

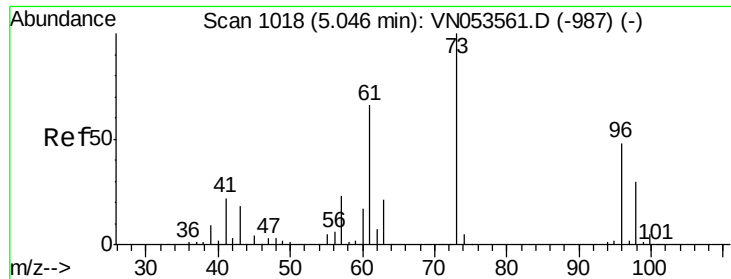
40000

20000

0

Time-->





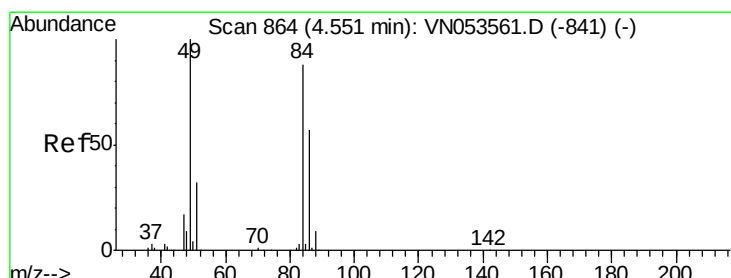
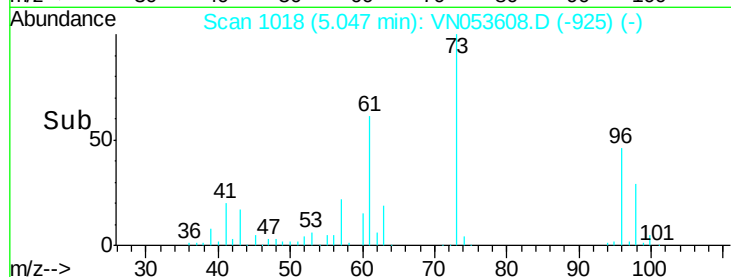
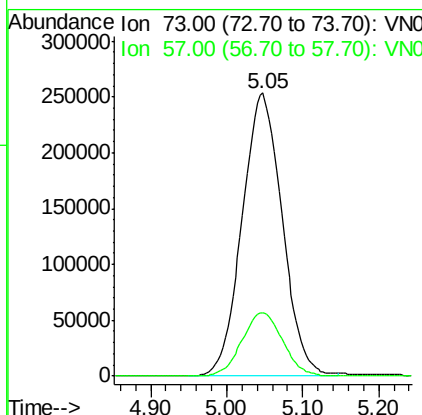
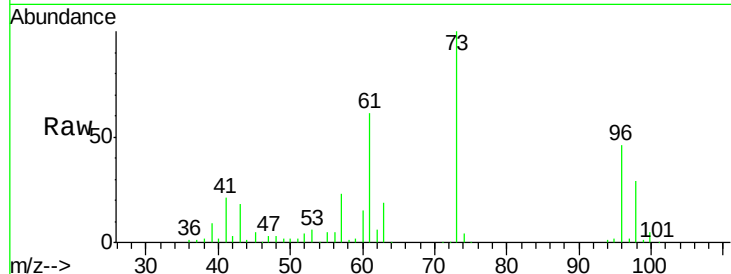
#19
Methyl tert-butyl Ether
Concen: 52.284 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 931456
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

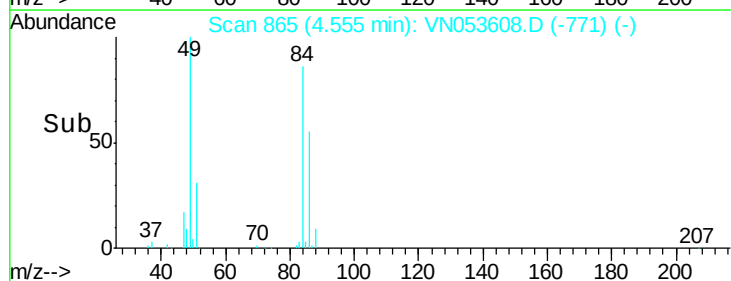
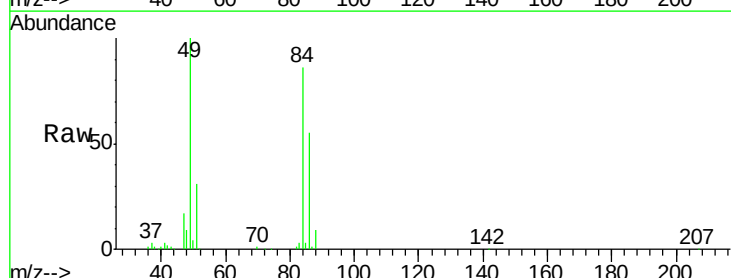
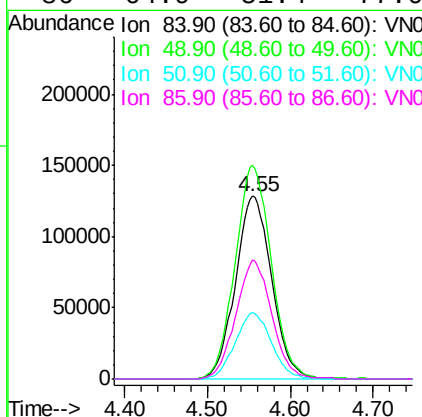
Manual Integrations
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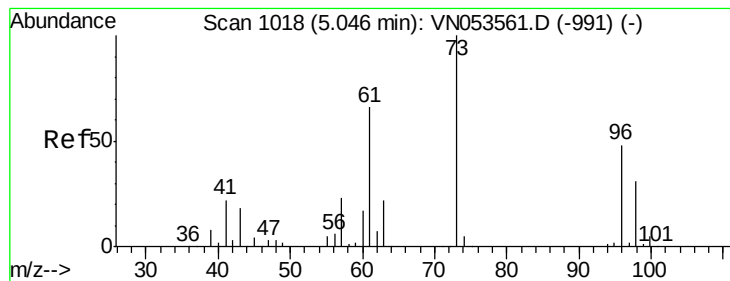
MMDadoda
2/5/2019 9:54:33 AM



#20
Methylene Chloride
Concen: 47.546 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion: 84 Resp: 389541
Ion Ratio Lower Upper
84 100
49 116.9 94.3 141.5
51 36.4 29.4 44.2
86 64.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.371 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 366744

Ion Ratio Lower Upper

96 100

61 132.9 110.1 165.1

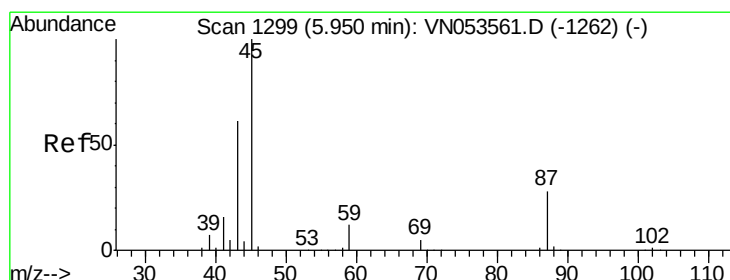
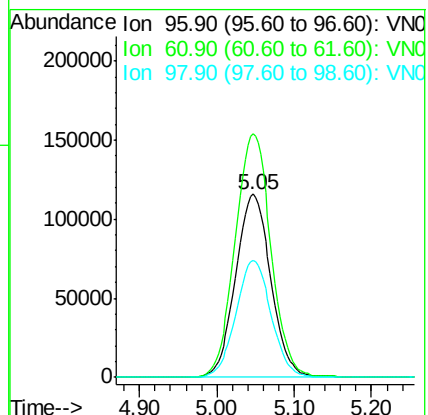
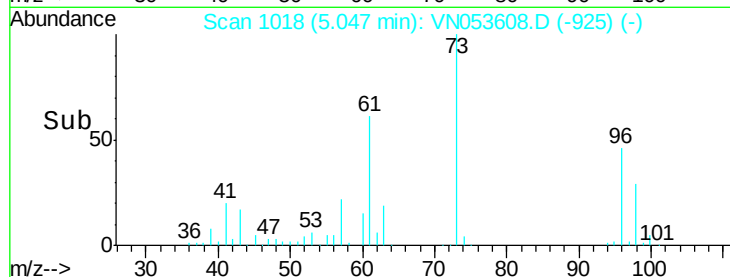
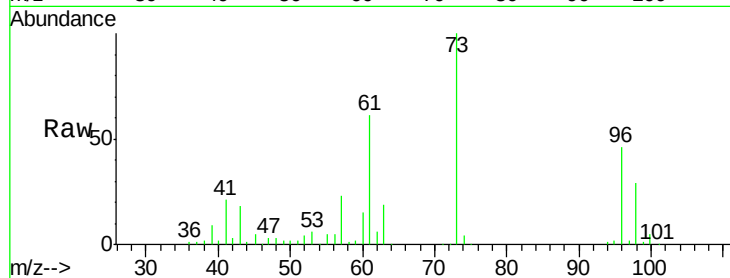
98 64.0 50.0 75.0

Manual Integrations

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MMDadoda

2/5/2019 9:54:33 AM



#22

Diisopropyl ether

Concen: 52.768 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion: 45 Resp: 1094051

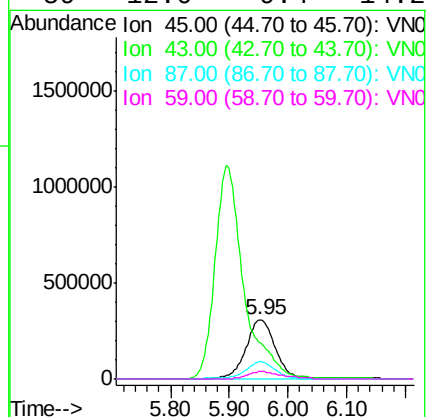
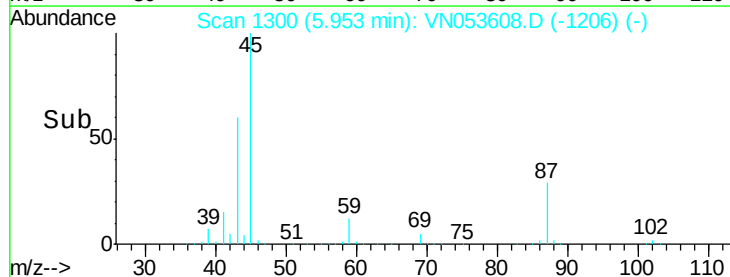
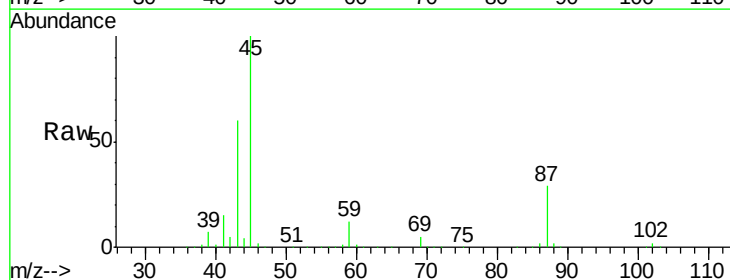
Ion Ratio Lower Upper

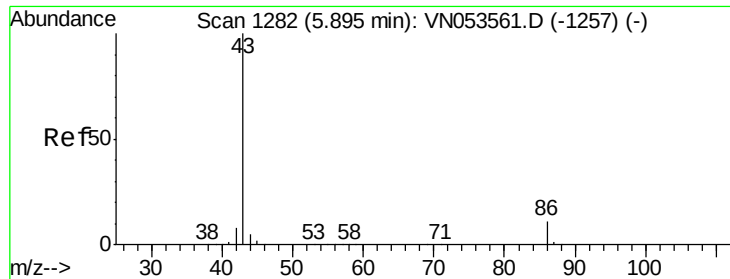
45 100

43 59.2 44.2 66.4

87 28.8 22.7 34.1

59 12.0 9.4 14.2





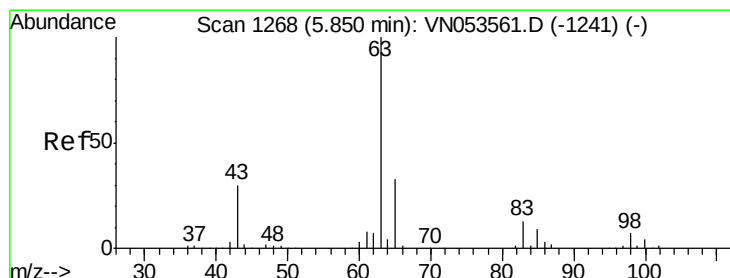
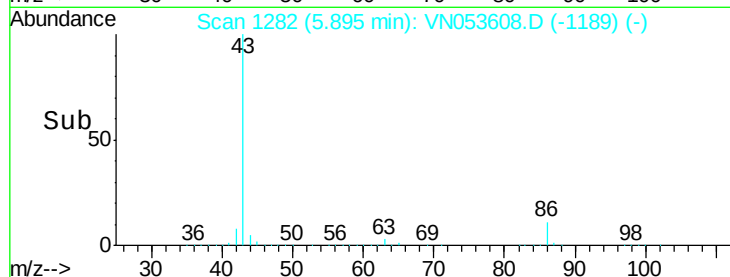
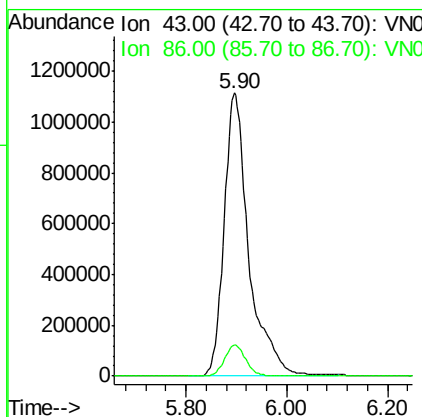
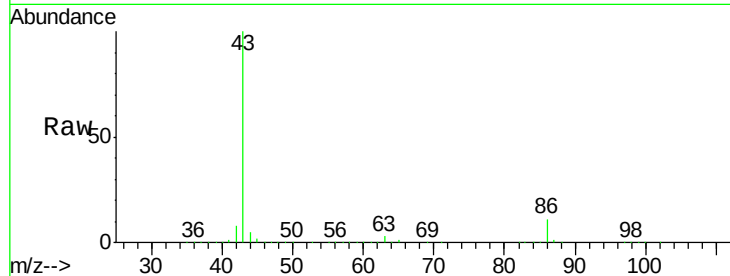
#23
 Vinyl Acetate
 Concen: 265.168 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3803280
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

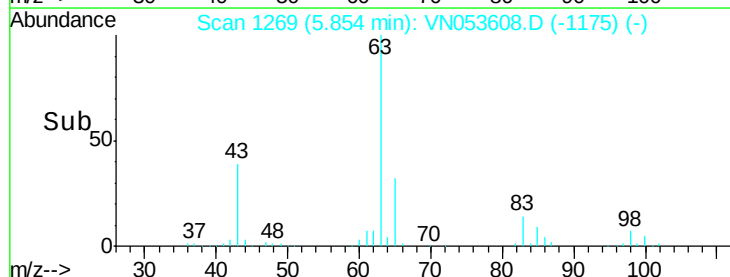
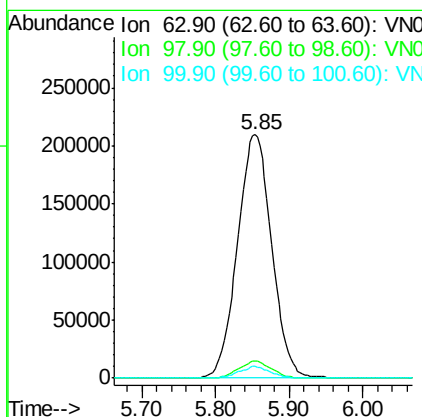
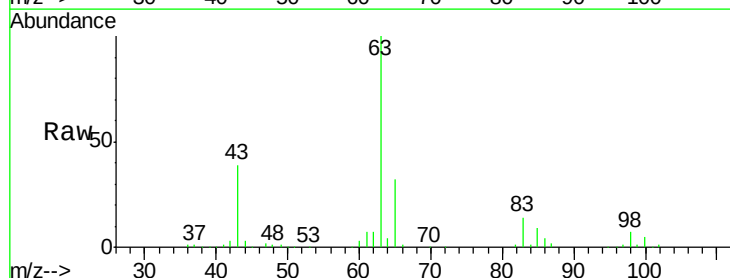
Manual Integrations
 APPROVED

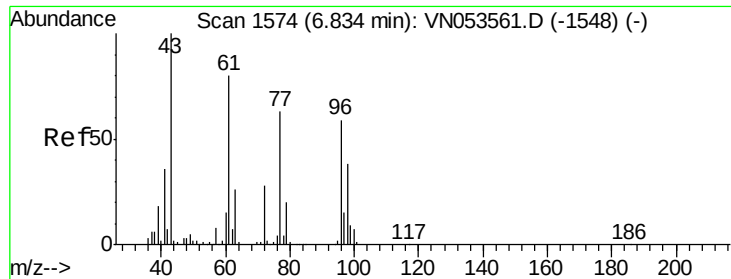
MMDadoda
 2/5/2019 9:54:33 AM



#24
 1,1-Dichloroethane
 Concen: 48.936 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion: 63 Resp: 676731
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.8 2.1 6.5





#25

2-Butanone

Concen: 248.166 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 691180

Ion Ratio Lower Upper

43 100

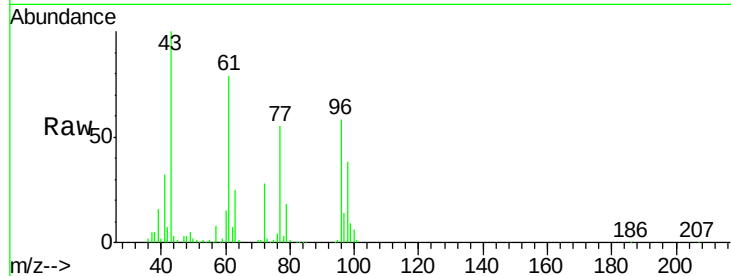
72 28.1 22.0 33.0

Manual Integrations

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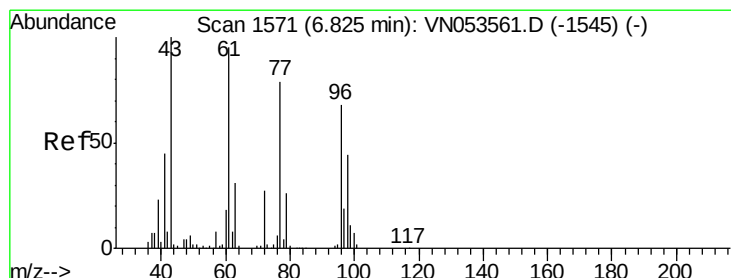
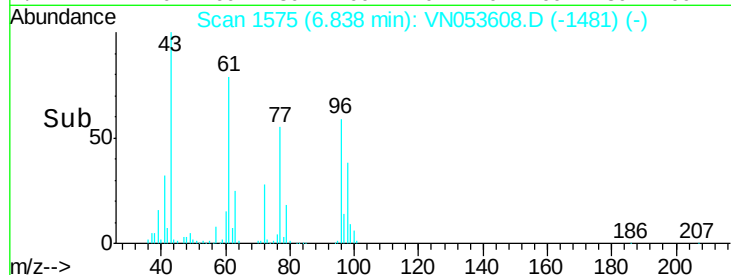
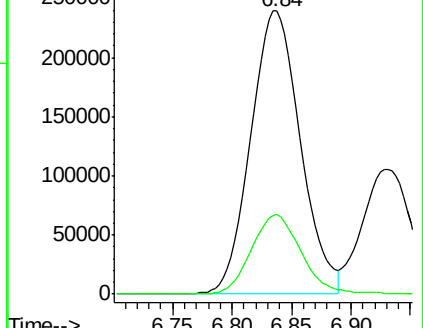
MMDadoda

2/5/2019 9:54:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.382 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053608.D

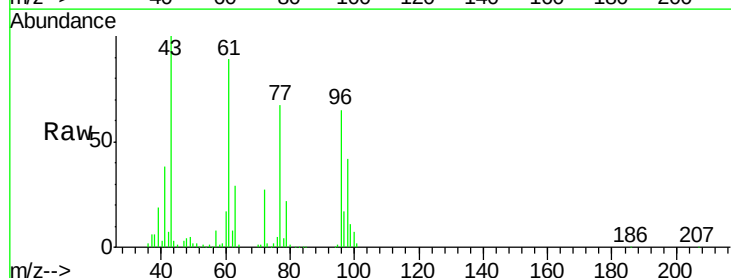
Acq: 4 Feb 2019 20:24

Tgt Ion: 77 Resp: 468514

Ion Ratio Lower Upper

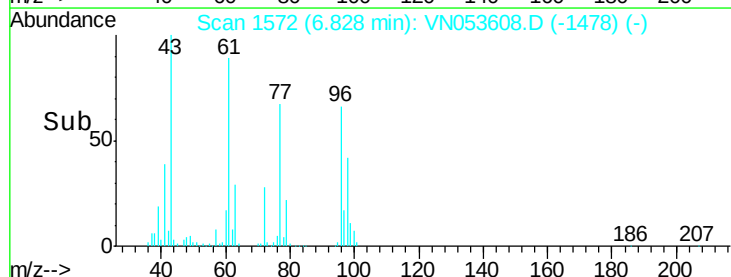
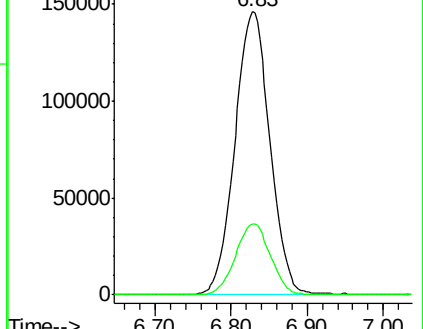
77 100

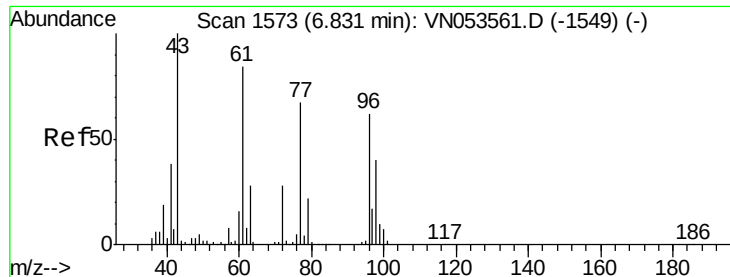
97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.786 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

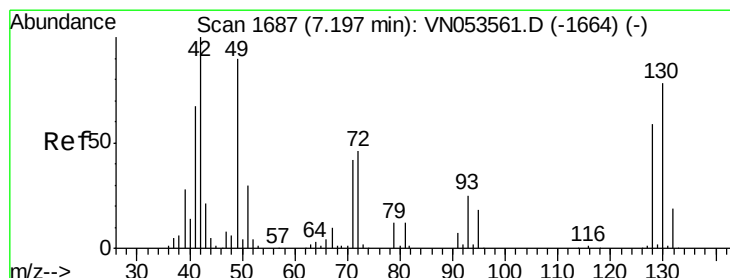
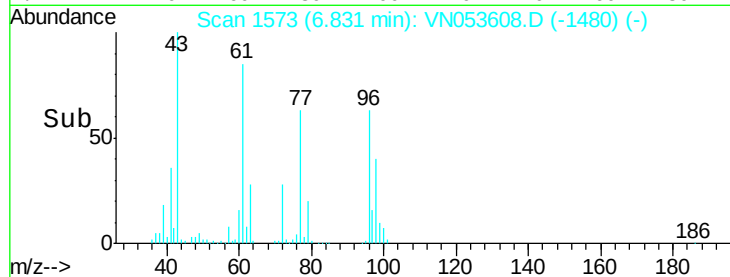
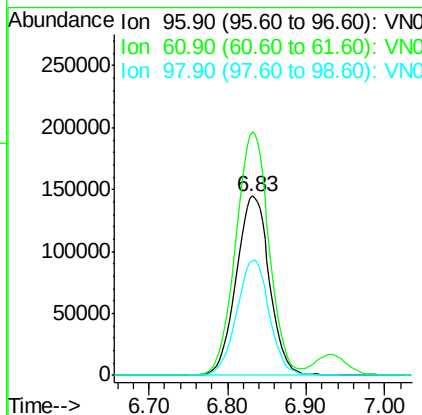
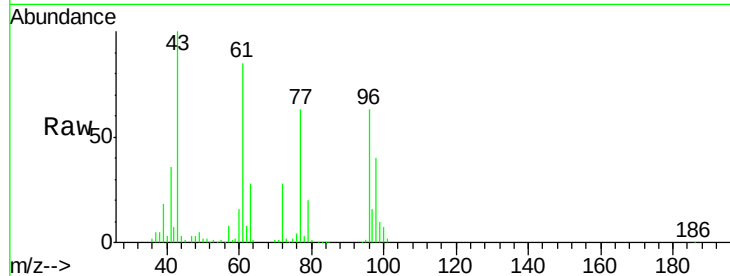
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	428161
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	283.8
98	63.7	0.0	129.2

Manual Integrations
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2/5/2019 9:54:33 AM



#28

Bromochloromethane

Concen: 50.475 ug/l

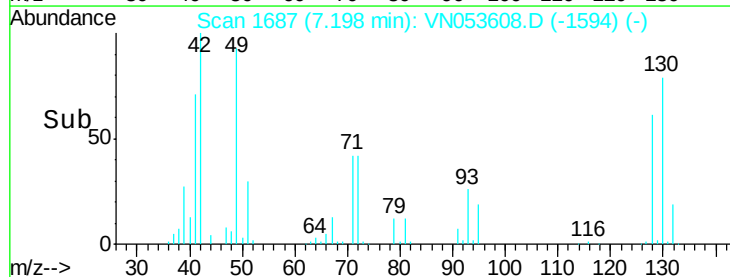
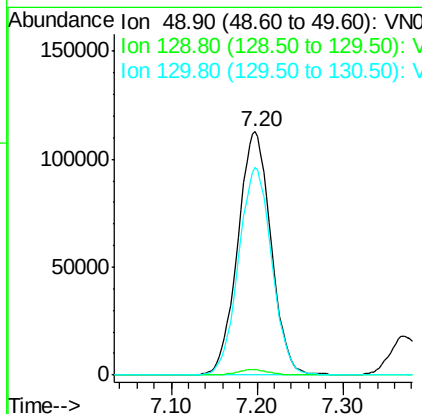
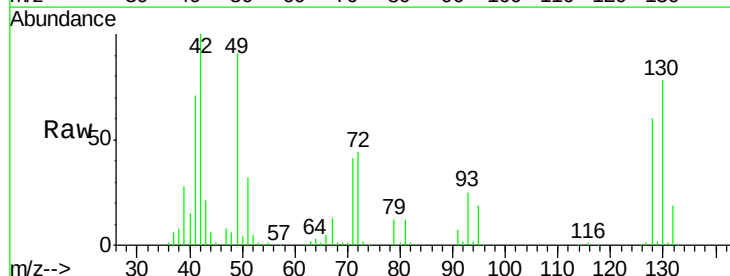
RT: 7.20 min Scan# 1687

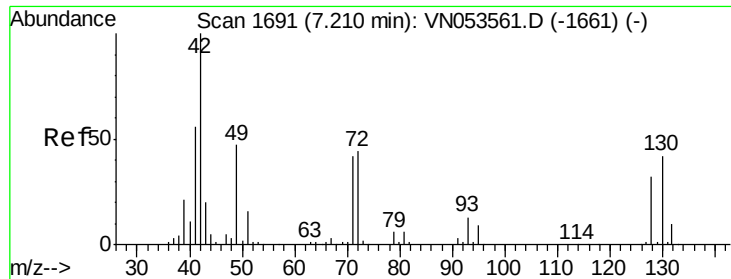
Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion:	49	Resp:	302907
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	85.4	66.3	99.5





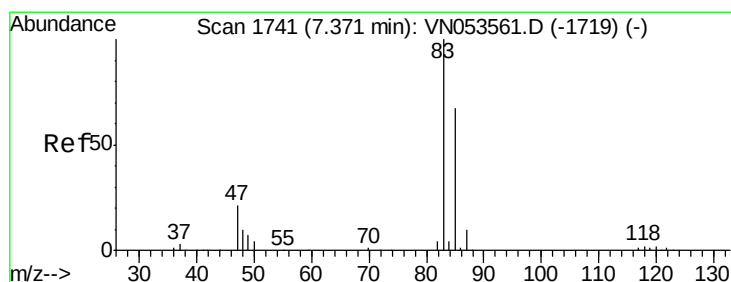
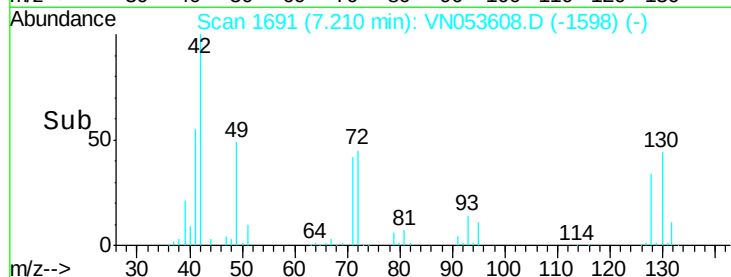
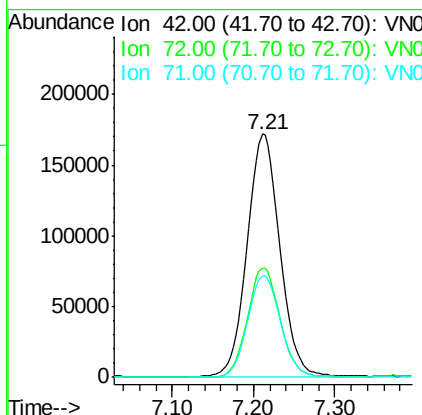
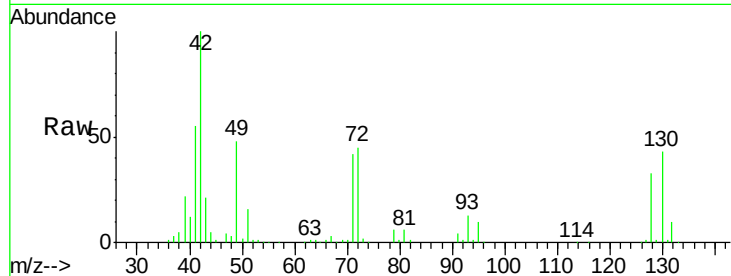
#29
Tetrahydrofuran
Concen: 266.329 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.2	52.8
71	42.0	33.0	49.4

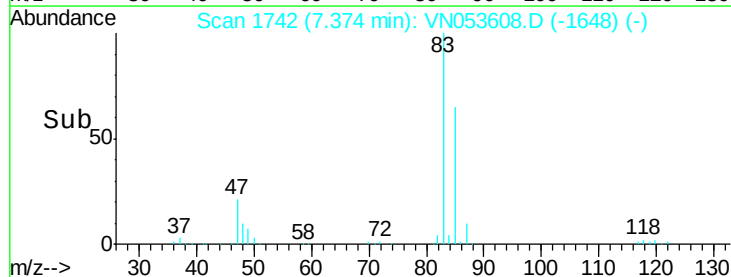
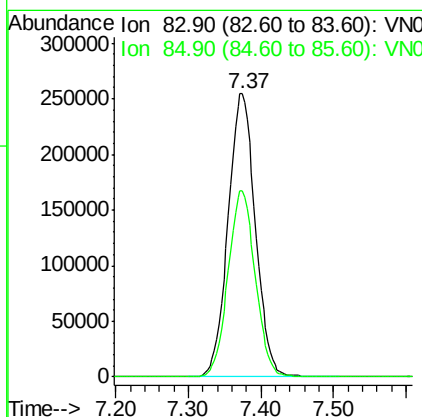
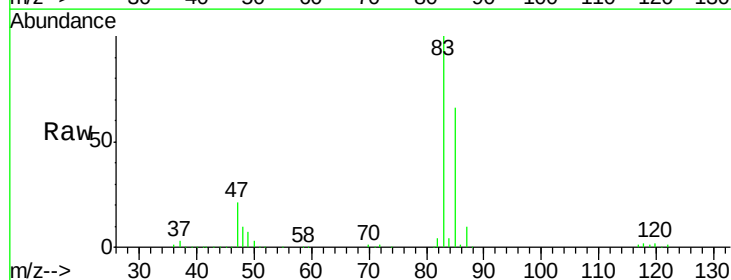
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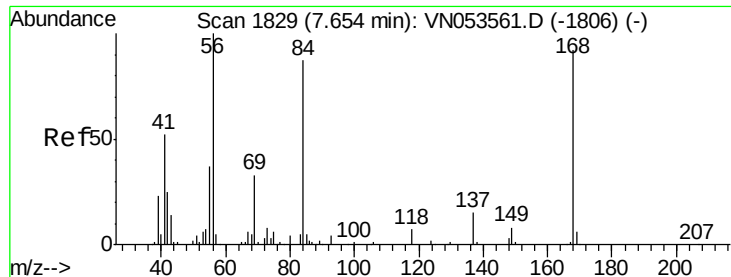
MMDadoda
2/5/2019 9:54:33 AM



#30
Chloroform
Concen: 48.643 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.2





#31

Cyclohexane

Concen: 47.625 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

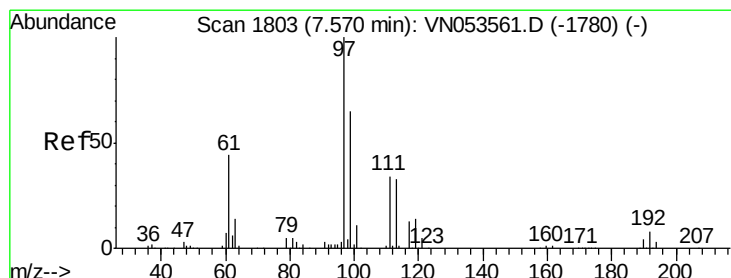
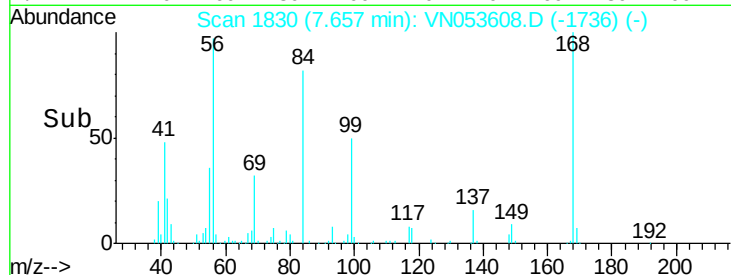
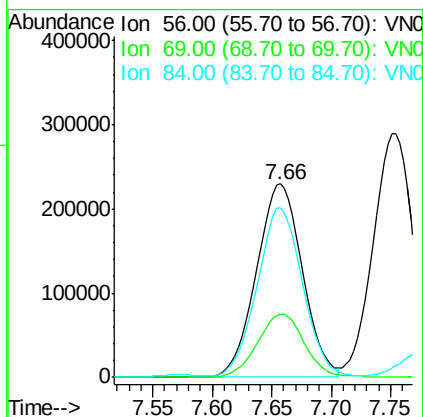
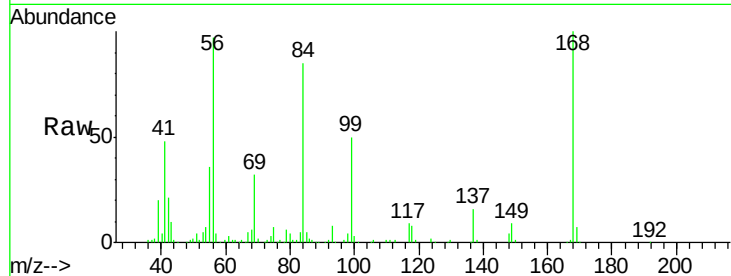
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	613285
Ion Ratio		Lower	Upper
56	100		
69	32.7	26.4	39.6
84	86.1	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.662 ug/l

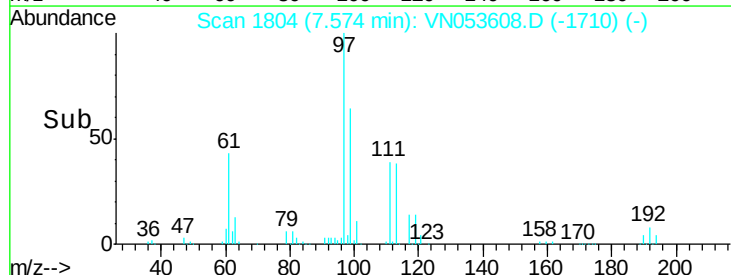
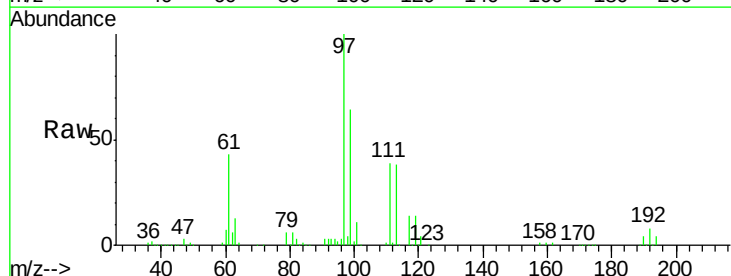
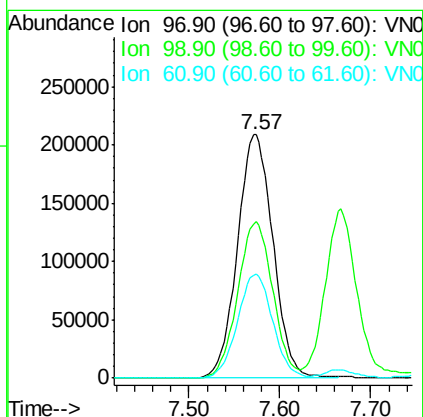
RT: 7.57 min Scan# 1804

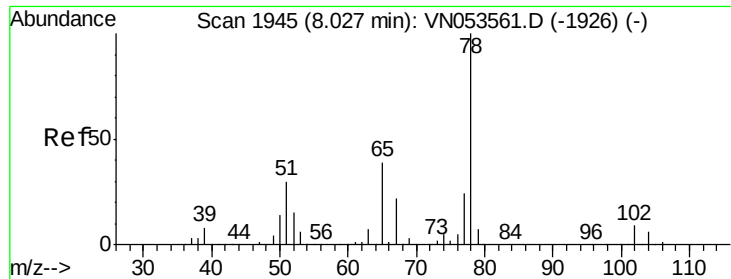
Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion:	97	Resp:	566561
Ion Ratio		Lower	Upper
97	100		
99	63.4	52.0	78.0
61	42.3	34.4	51.6





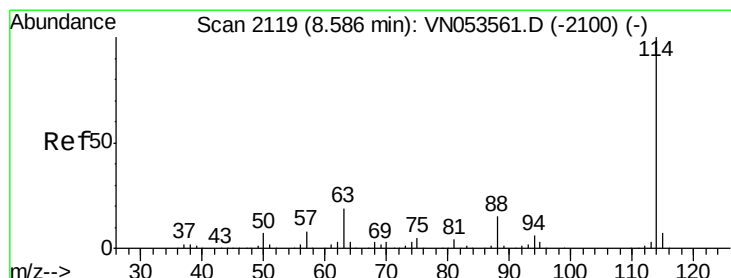
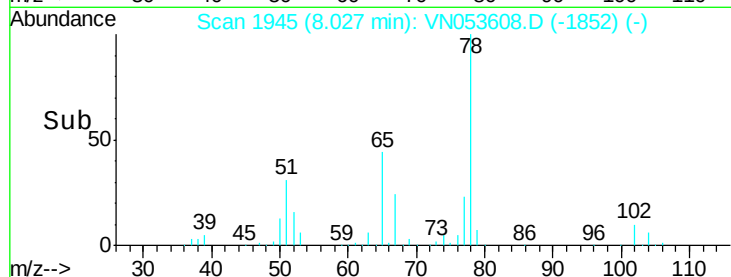
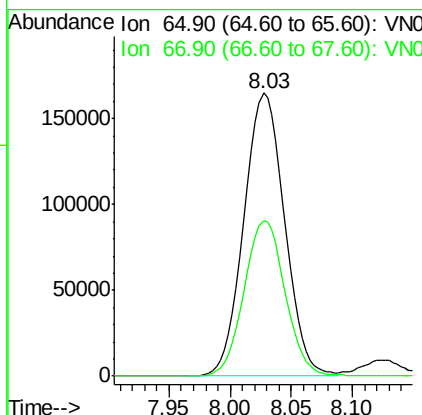
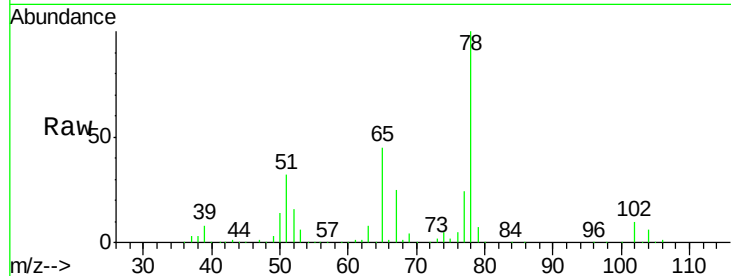
#33
 1,2-Dichloroethane-d4
 Concen: 49.662 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	381429		
67	55.2	0.0	111.2	

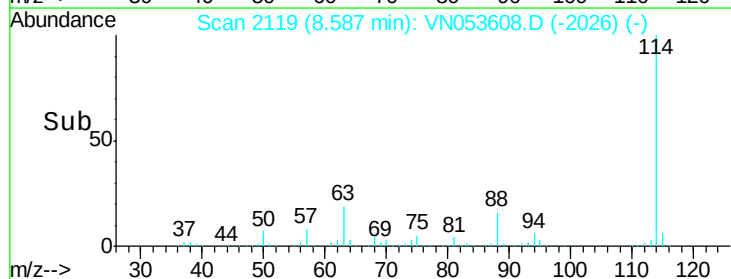
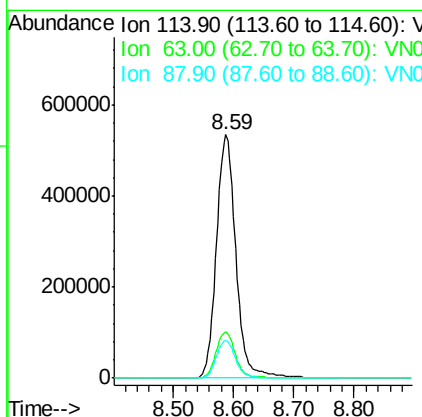
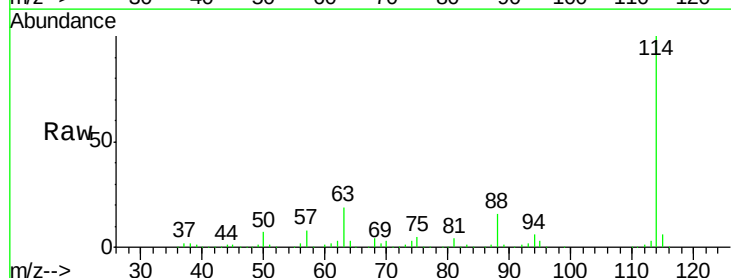
Manual Integrations
 APPROVED

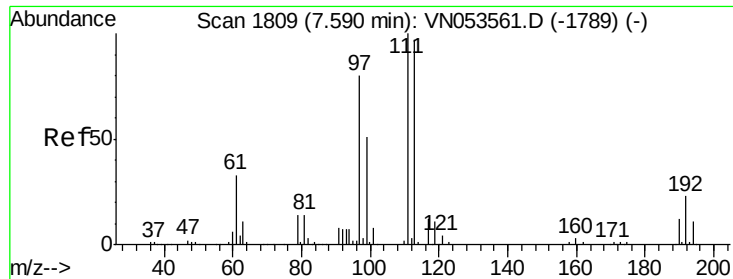
MMDadoda
 2/5/2019 9:54:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1180161		
63	18.8	0.0	38.6	
88	15.7	0.0	30.4	





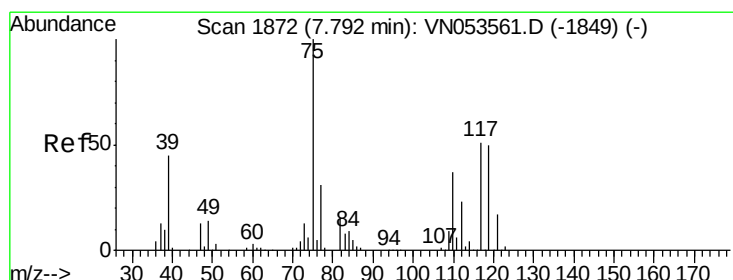
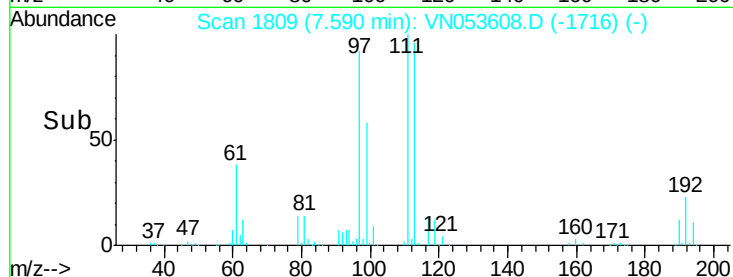
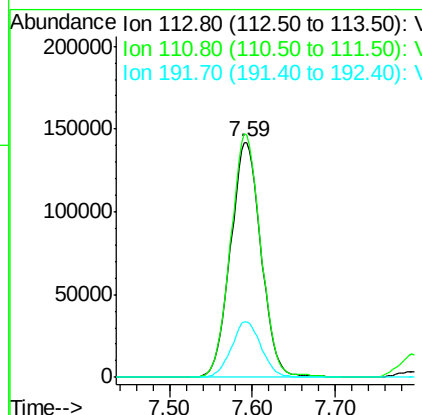
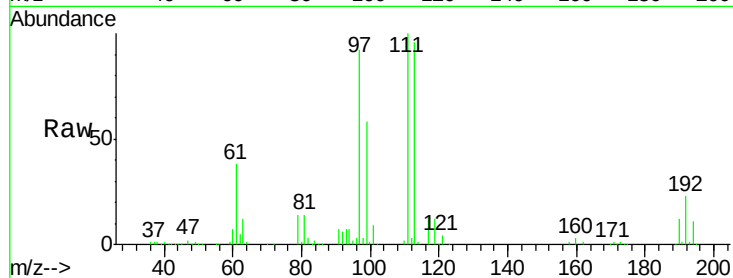
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	363571		
111	101.8	81.1	121.7	
192	23.2	18.2	27.2	

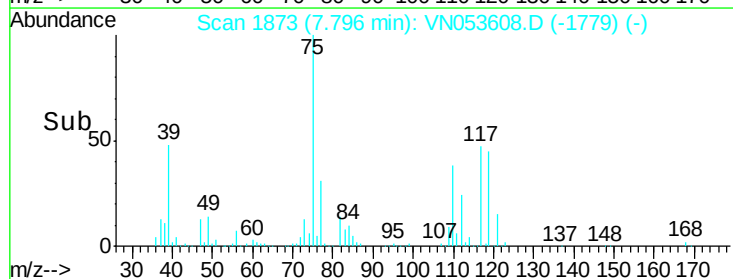
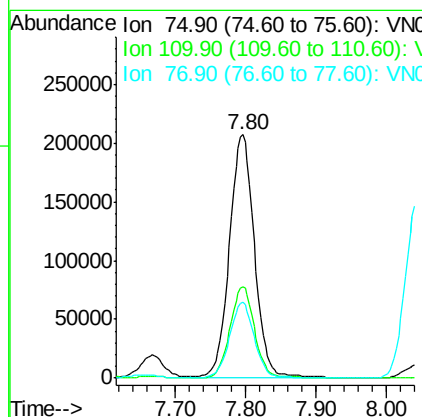
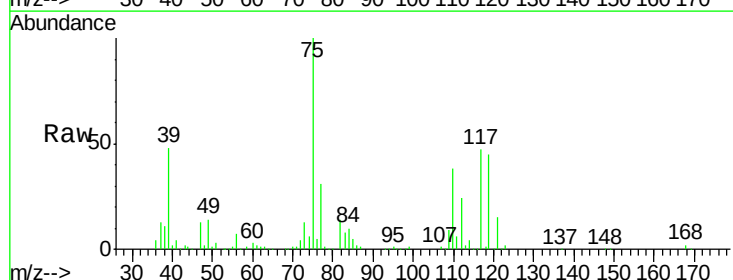
Manual Integrations
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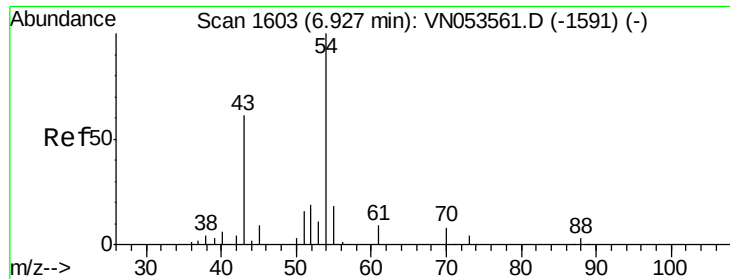
MMDadoda
 2/5/2019 9:54:33 AM



#36
 1,1-Dichloropropene
 Concen: 48.303 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	513867		
110	36.9	18.1	54.3	
77	31.2	25.1	37.7	





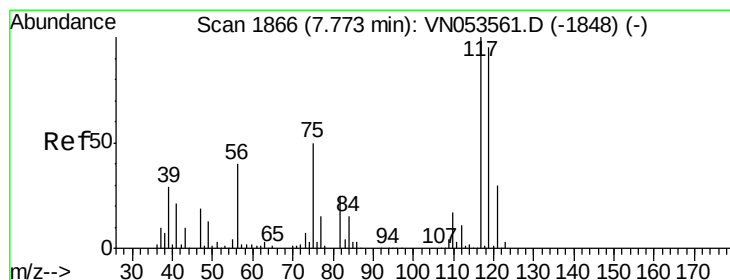
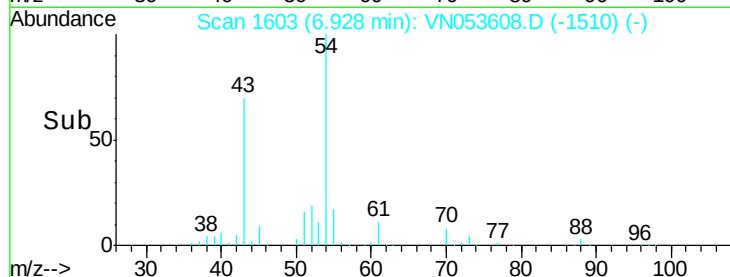
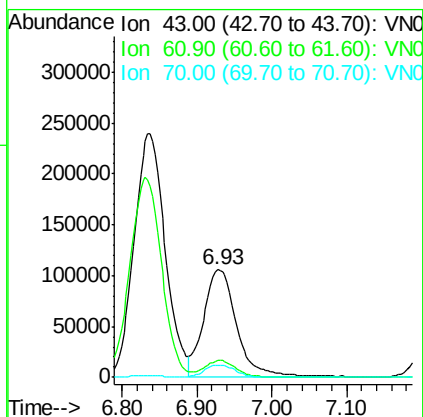
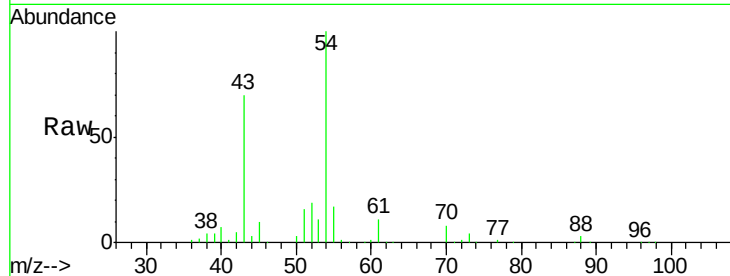
#37
Ethyl Acetate
Concen: 53.781 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.8	8.6	12.8

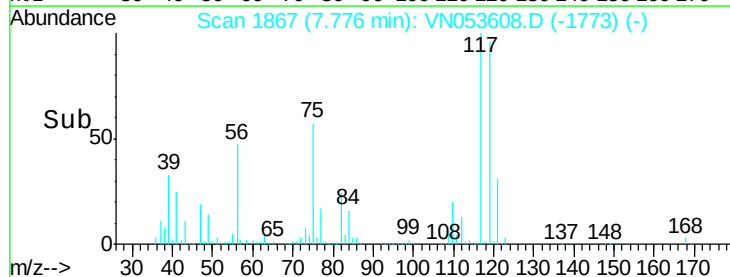
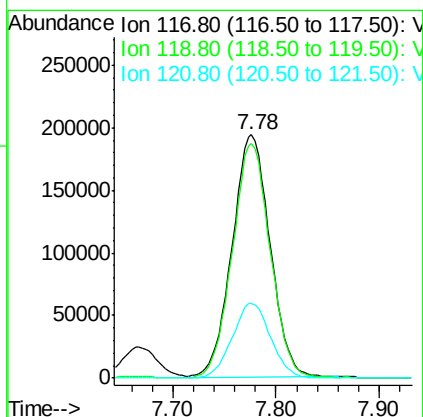
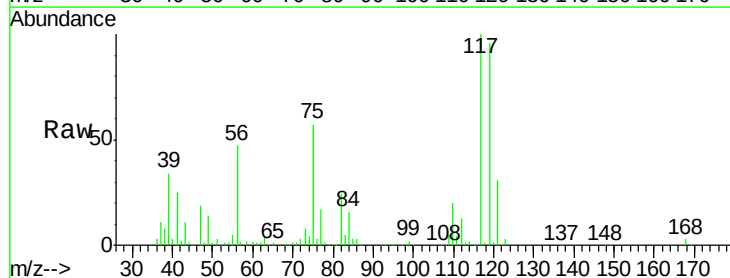
Manual Integrations
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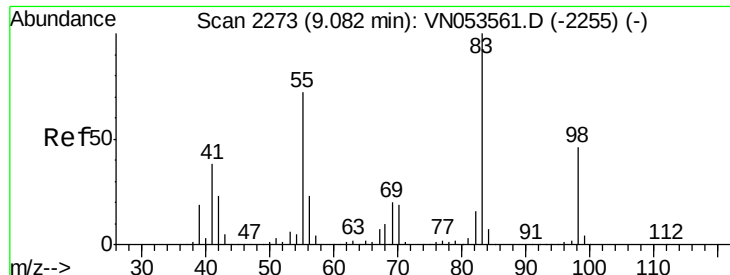
MMDadoda
2/5/2019 9:54:33 AM



#38
Carbon Tetrachloride
Concen: 46.294 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.2	115.8
121	31.0	24.6	37.0





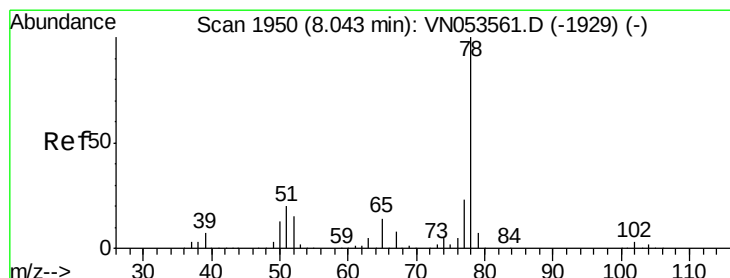
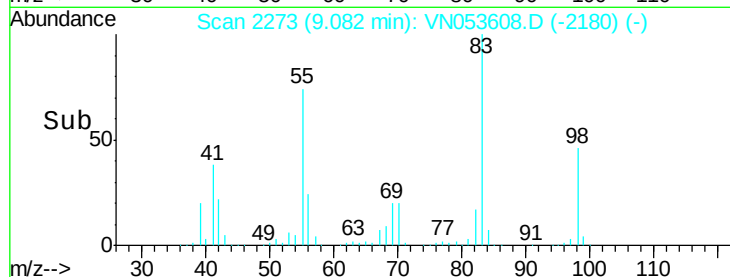
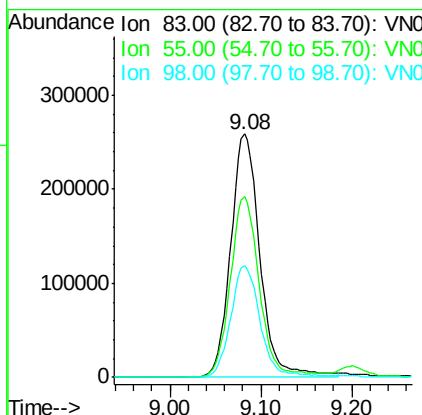
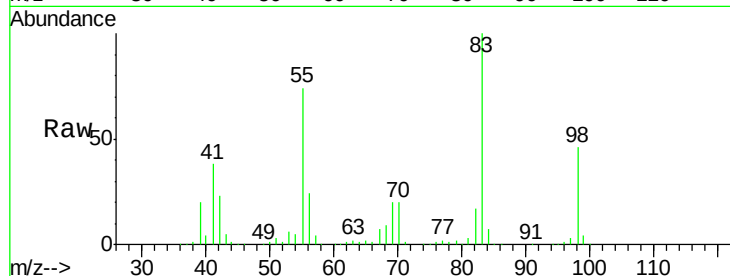
#39
Methylvlcyclohexane
Concen: 45.918 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	579553
Ion Ratio	100	Lower	Upper
83	100		
55	74.1	60.1	90.1
98	45.7	36.6	55.0

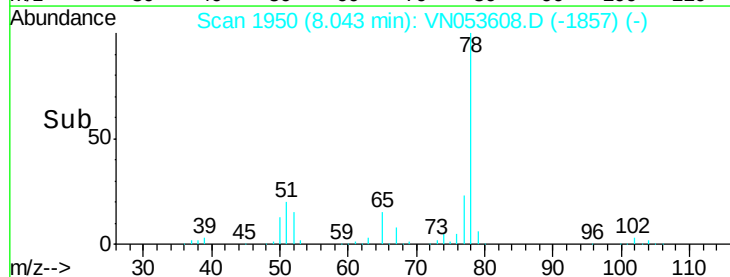
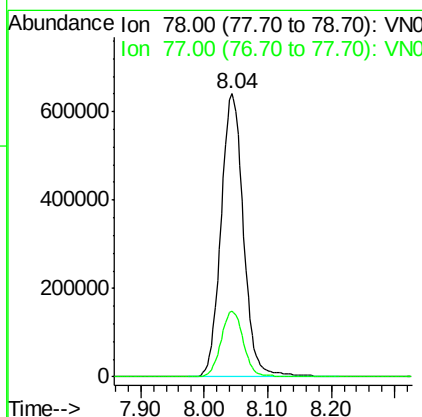
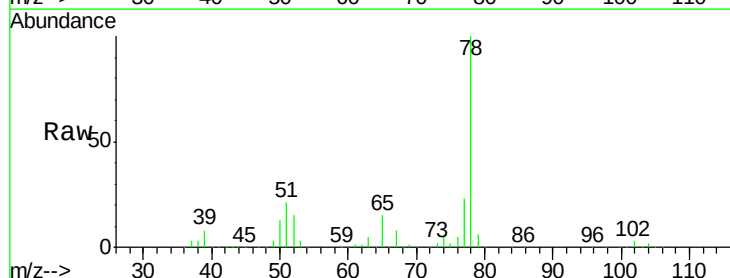
Manual Integrations
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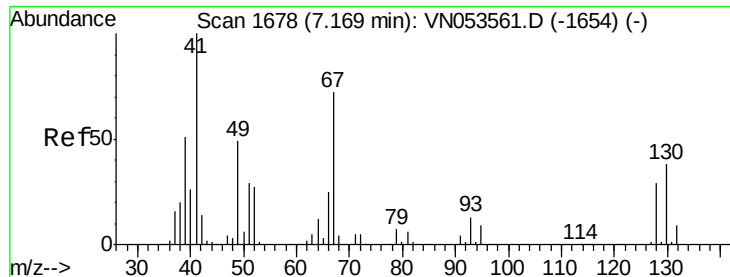
MMDadoda
2/5/2019 9:54:33 AM



#40
Benzene
Concen: 47.965 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	78	Resp	1573549
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.8	28.2





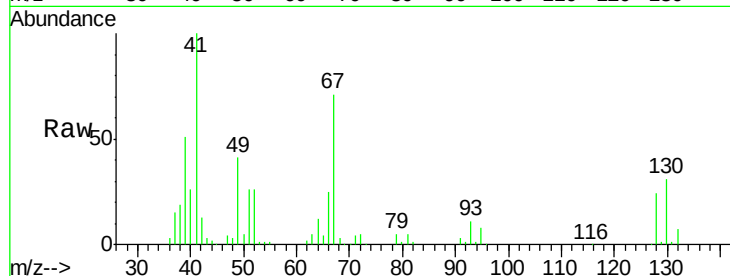
#41
Methacrylonitrile
Concen: 49.889 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

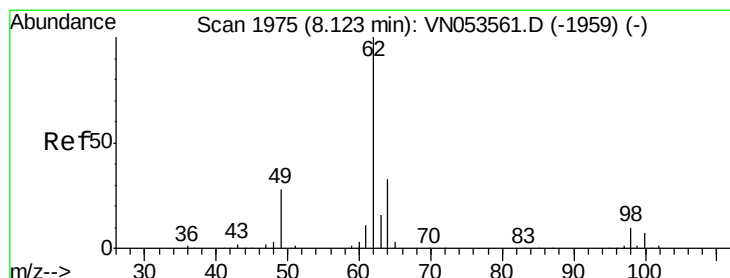
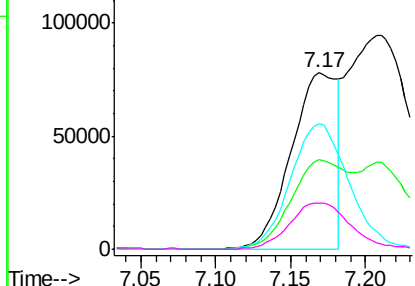
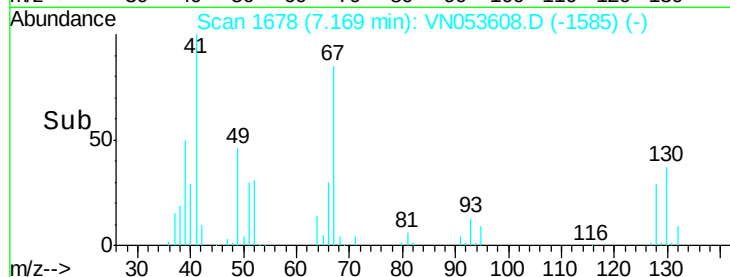
Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	46.8	70.2
67	91.2	63.0	94.6
52	34.2	23.8	35.8

Manual Integrations
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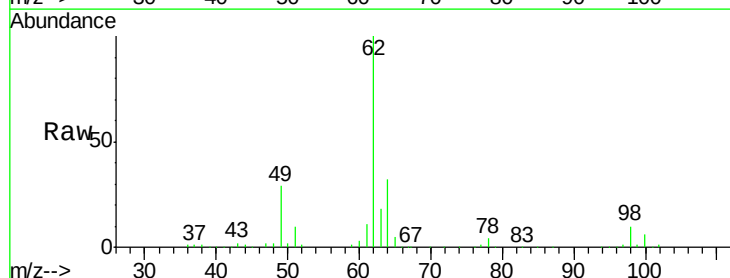


Abundance Ion 41.00 (40.70 to 41.70): VN053608.D (-1585) (-)
Ion 39.00 (38.70 to 39.70): VN053608.D (-1585) (-)
Ion 67.00 (66.70 to 67.70): VN053608.D (-1585) (-)
Ion 52.00 (51.70 to 52.70): VN053608.D (-1585) (-)

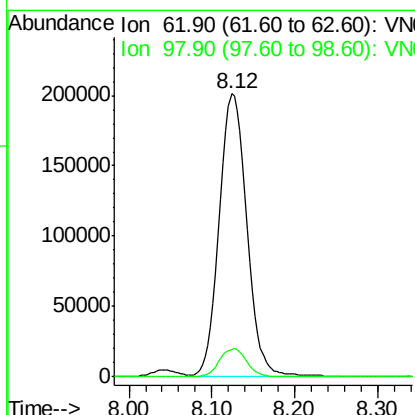
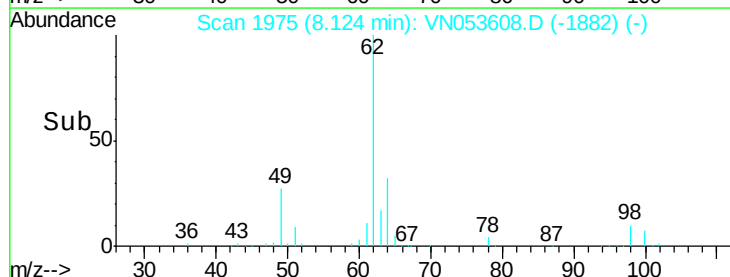


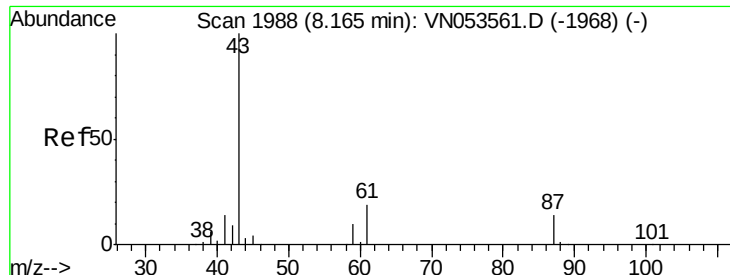
#42
1,2-Dichloroethane
Concen: 47.870 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VN053608.D (-1882) (-)
Ion 97.90 (97.60 to 98.60): VN053608.D (-1882) (-)





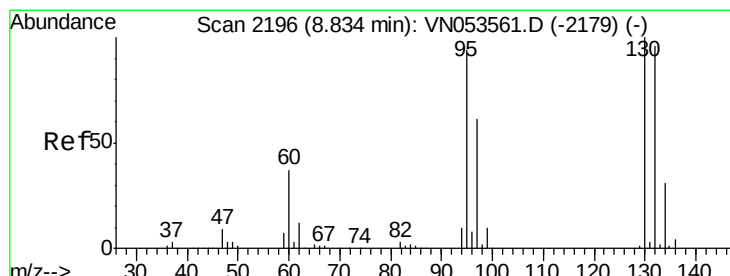
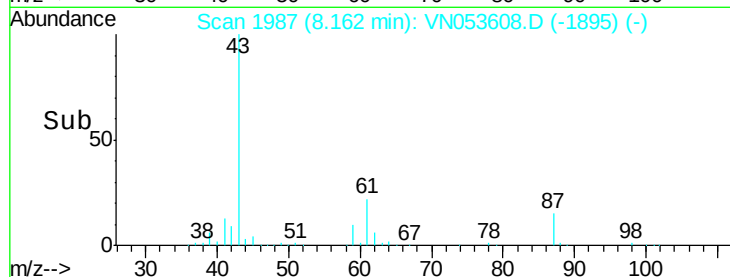
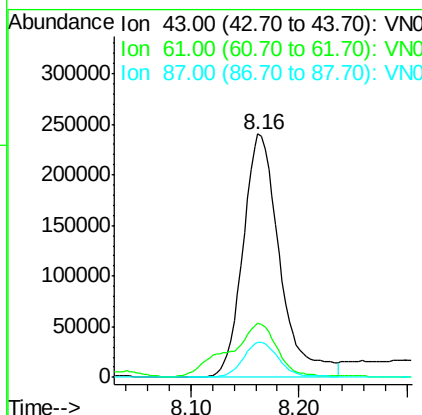
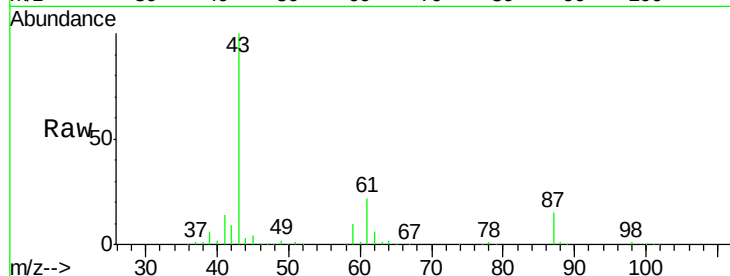
#43
Isopropyl Acetate
Concen: 49.598 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.9	35.9
87	14.1	11.0	16.6

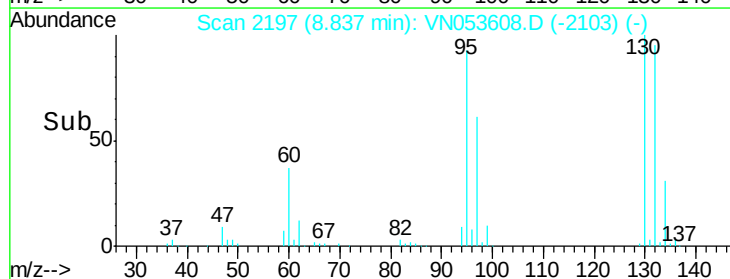
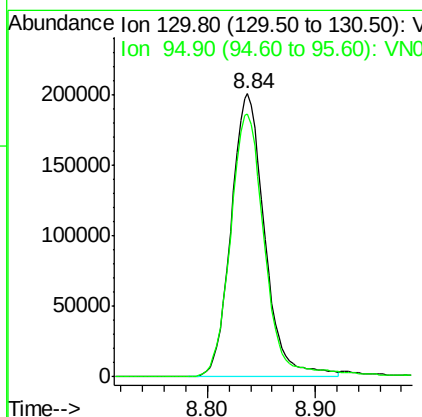
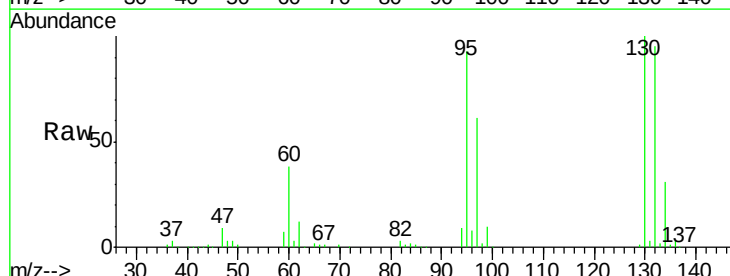
Manual Integrations
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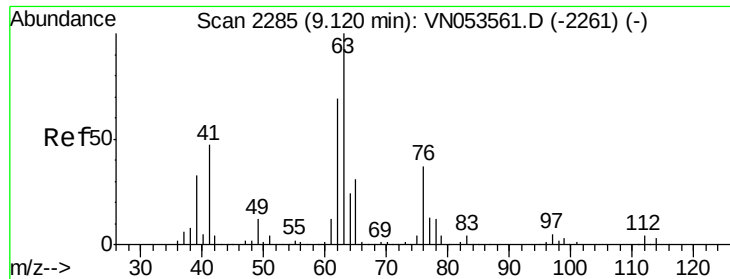
MMDadoda
2/5/2019 9:54:33 AM



#44
Trichloroethene
Concen: 46.214 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	191.4





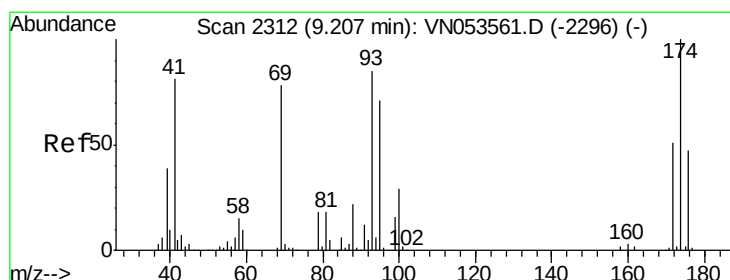
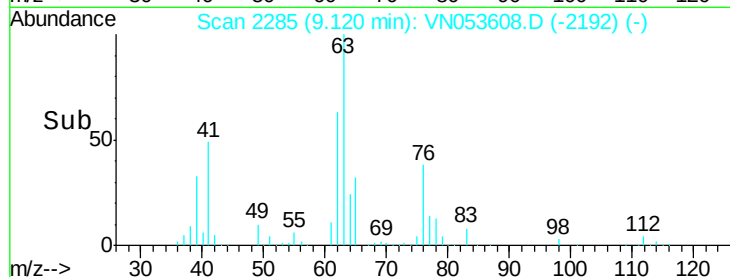
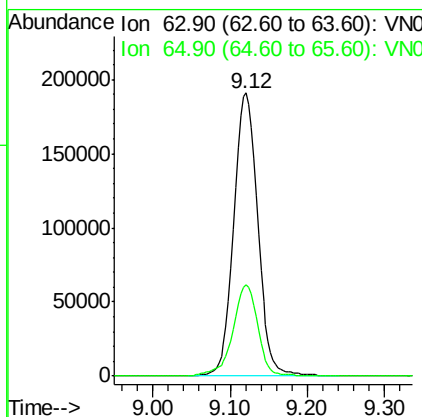
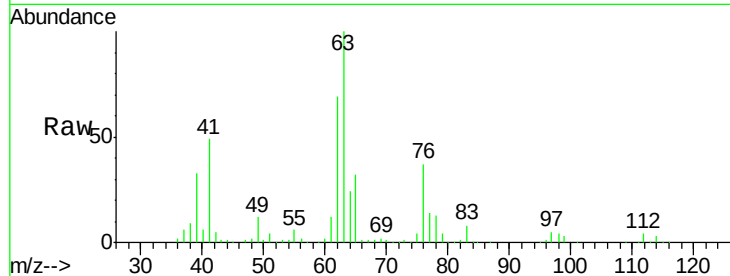
#45
 1,2-Dichloropropane
 Concen: 48.872 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 410085
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.4

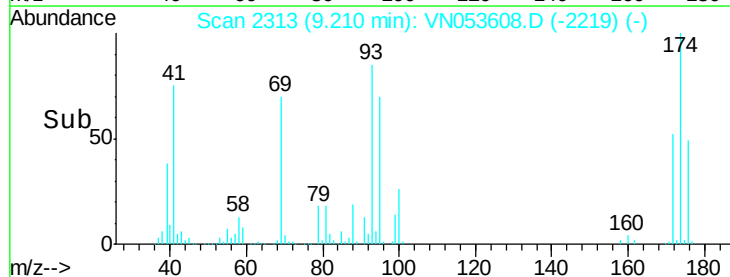
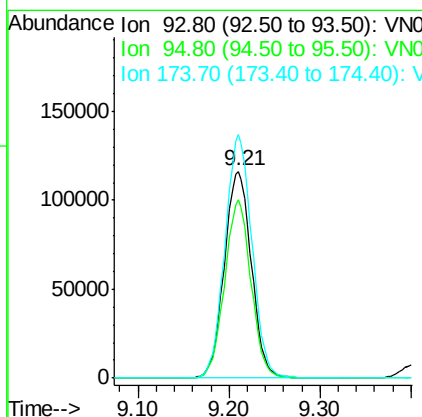
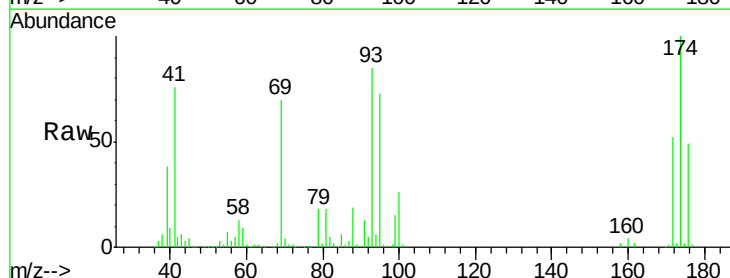
Manual Integrations
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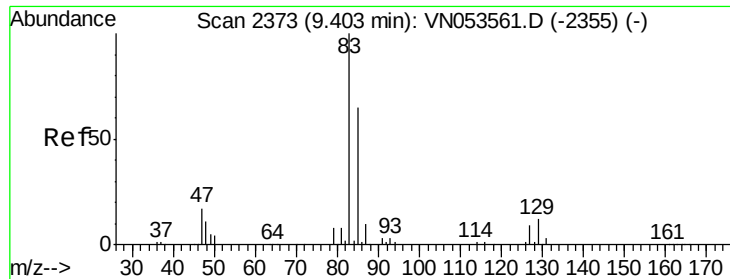
MMDadoda
 2/5/2019 9:54:33 AM



#46
 Dibromomethane
 Concen: 47.574 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion: 93 Resp: 240640
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.3 100.9
 174 117.1 91.0 136.4





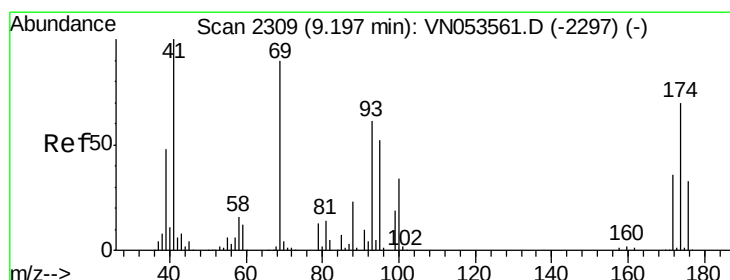
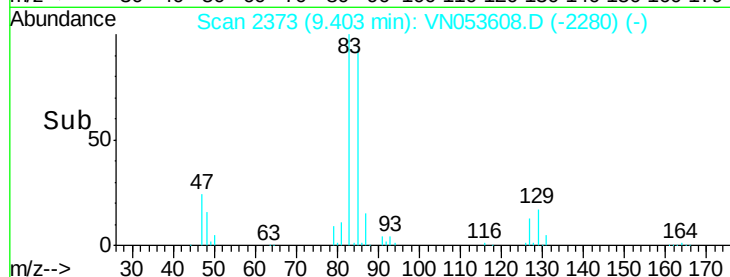
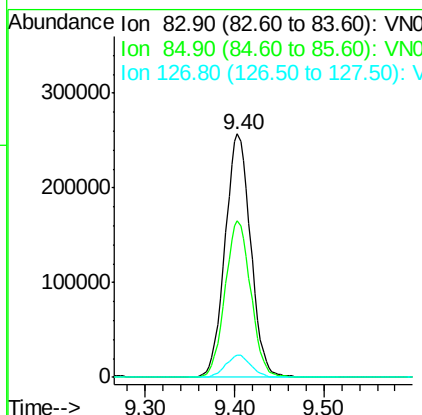
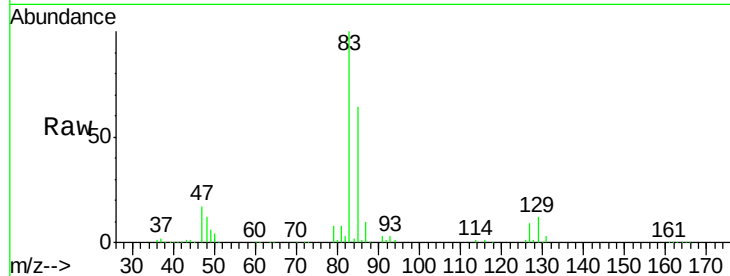
#47
Bromodichloromethane
Concen: 48.483 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	509890
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.0	76.6
127	9.0	7.0	10.6

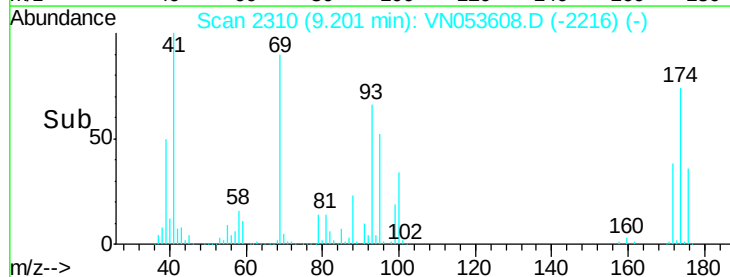
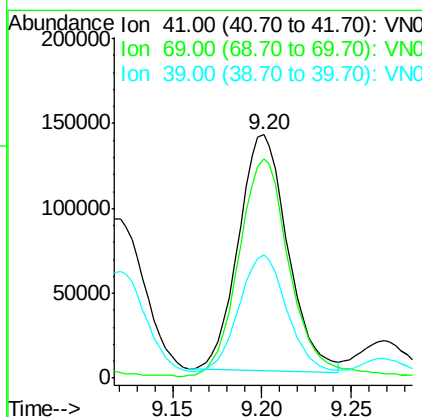
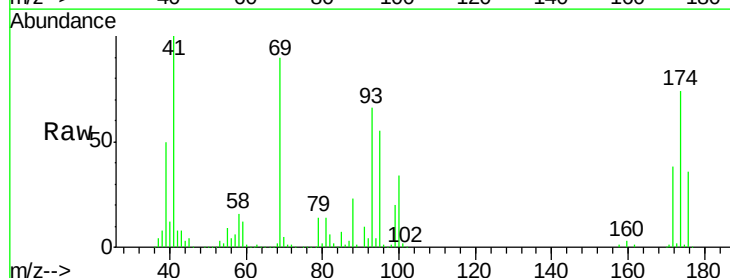
Manual Integrations
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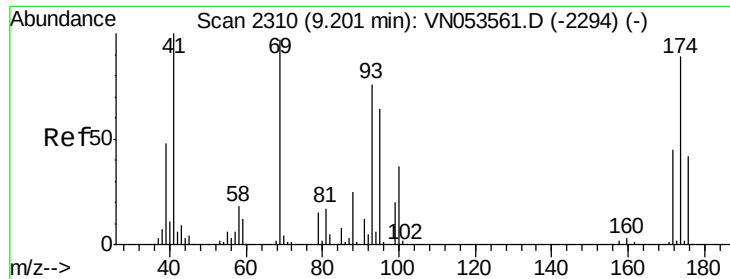
MMDadoda
2/5/2019 9:54:33 AM



#48
Methyl methacrylate
Concen: 48.933 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	41	Resp	268021
Ion Ratio	100	Lower	Upper
41	100		
69	97.8	73.8	110.6
39	54.0	40.0	60.0





#49

1,4-Dioxane

Concen: 927.459 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

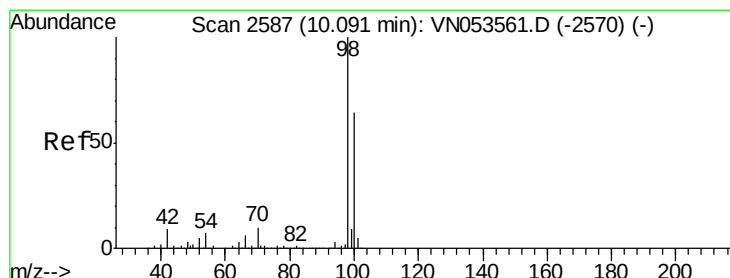
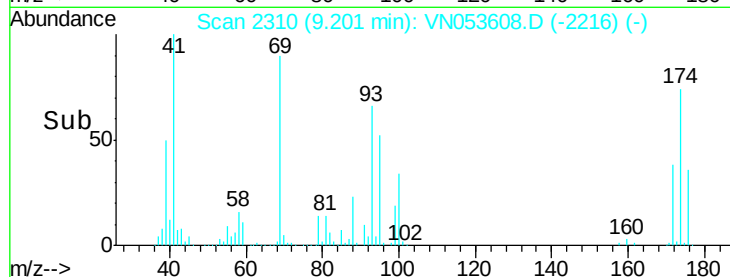
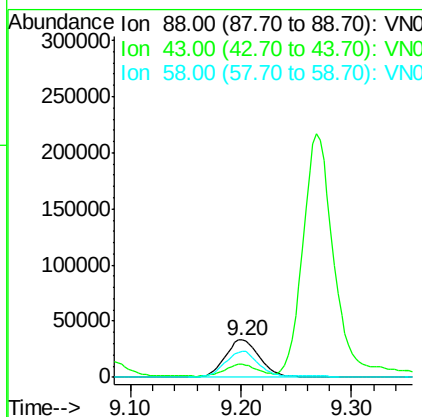
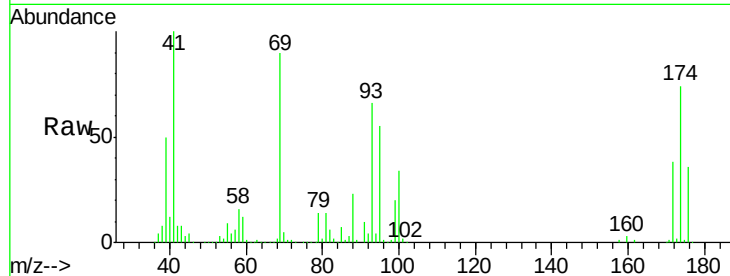
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	73374
Ion	Ratio	Lower	Upper
88	100		
43	29.7	27.8	41.6
58	67.7	56.5	84.7

Manual Integrations
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2/5/2019 9:54:33 AM



#50

Toluene-d8

Concen: 927.459 ug/l

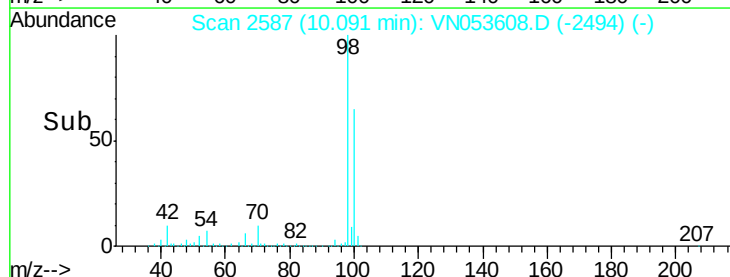
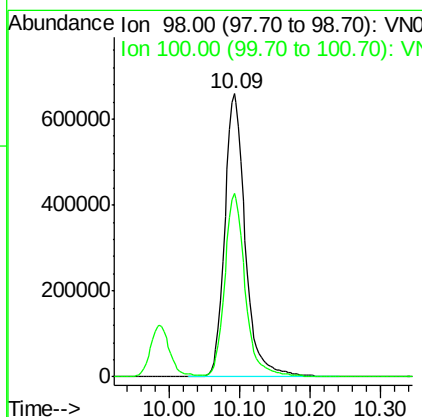
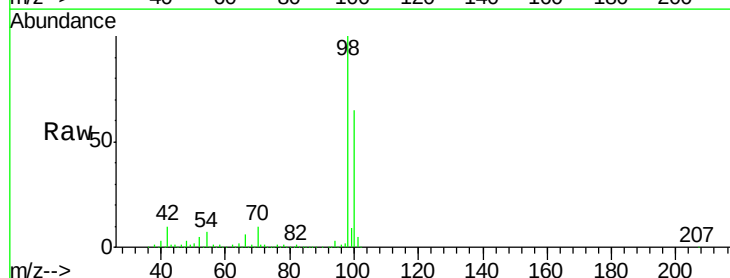
RT: 10.09 min Scan# 2587

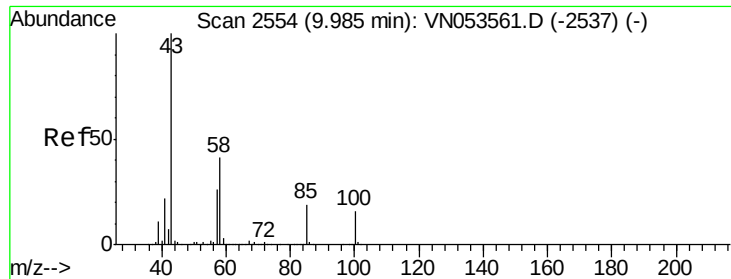
Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion:	98	Resp:	1343800
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 266.678 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1503690

Ion Ratio Lower Upper

43 100

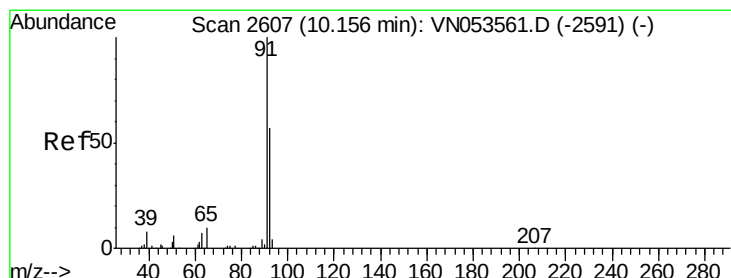
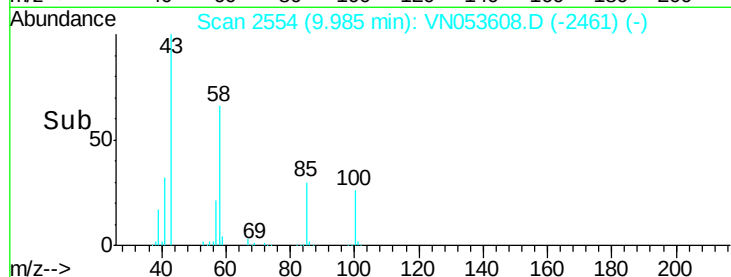
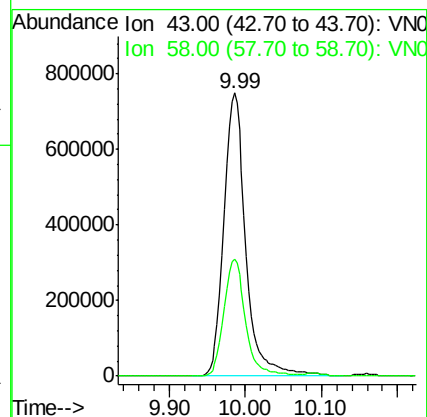
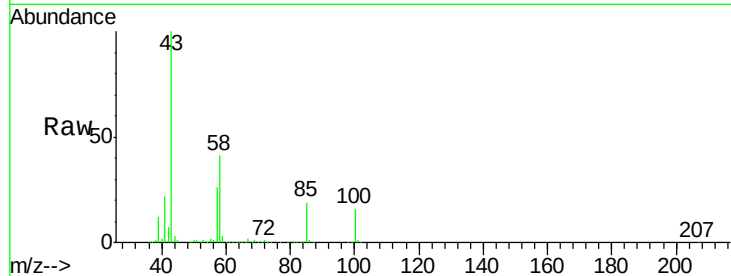
58 40.8 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 48.690 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053608.D

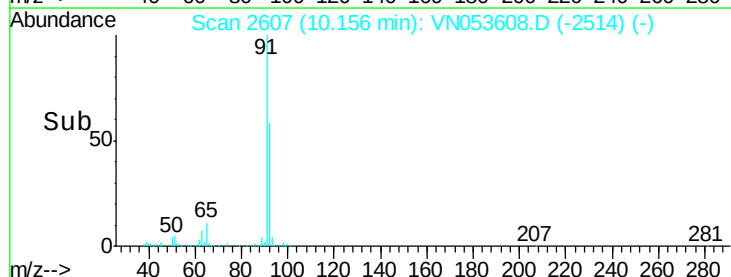
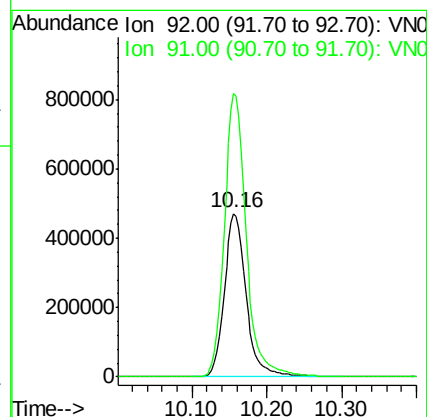
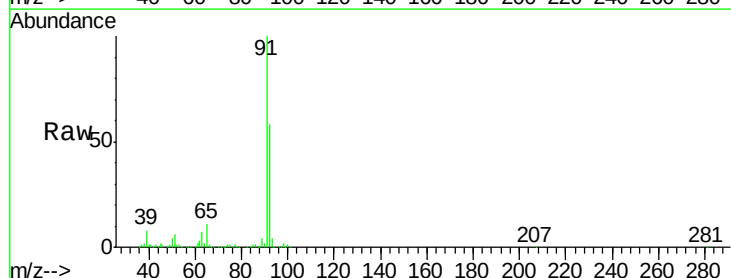
Acq: 4 Feb 2019 20:24

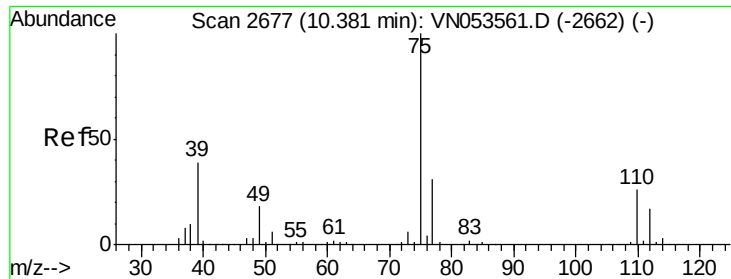
Tgt Ion: 92 Resp: 948011

Ion Ratio Lower Upper

92 100

91 174.4 139.9 209.9





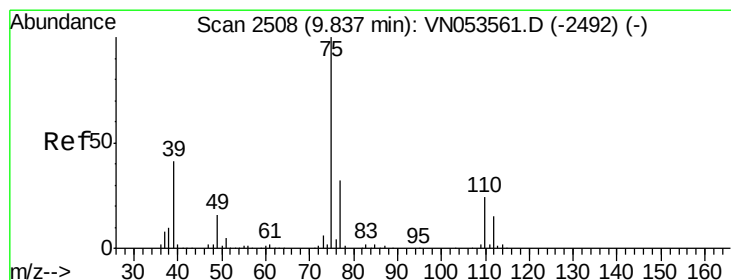
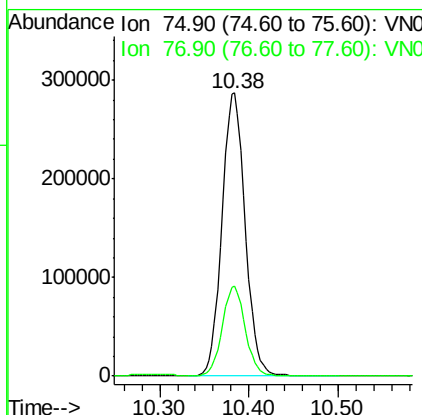
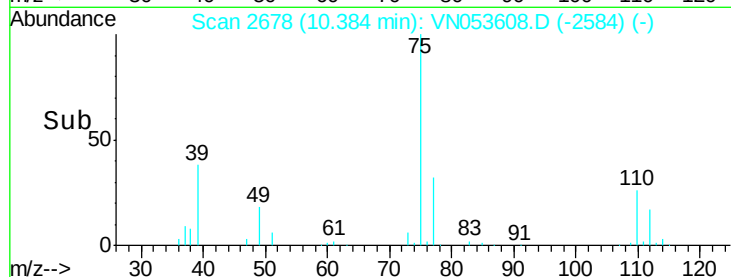
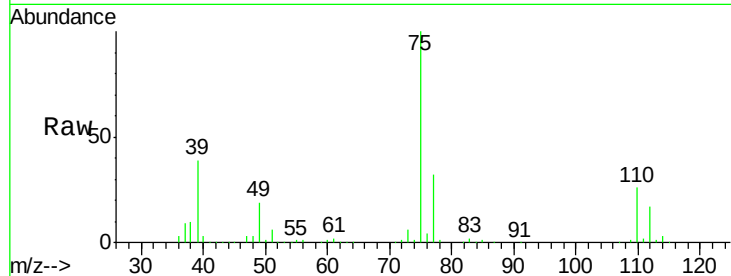
#53
t-1,3-Dichloropropene
Concen: 49.108 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 517161
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3

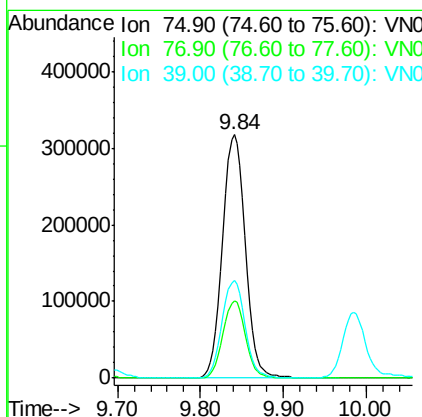
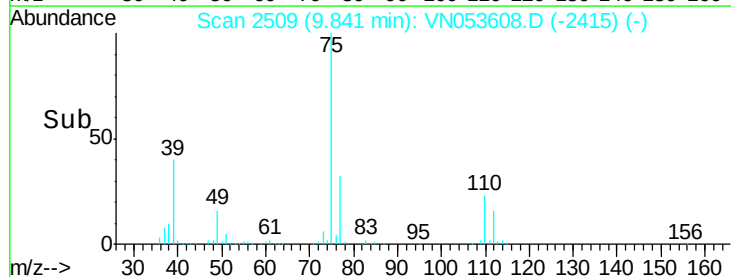
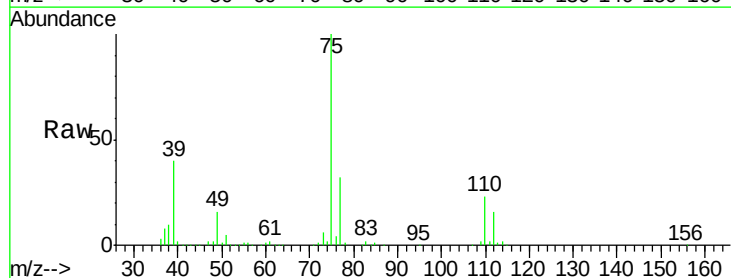
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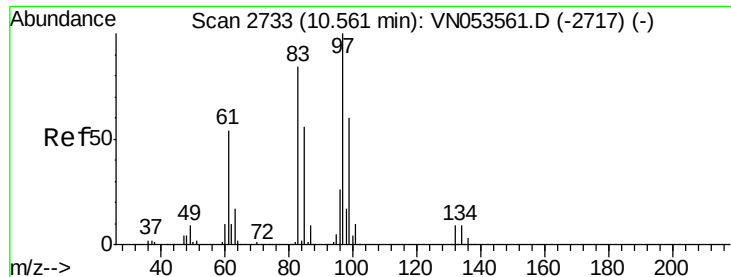
MMDadoda
2/5/2019 9:54:33 AM



#54
cis-1,3-Dichloropropene
Concen: 48.695 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion: 75 Resp: 607675
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6
39 40.1 33.4 50.0





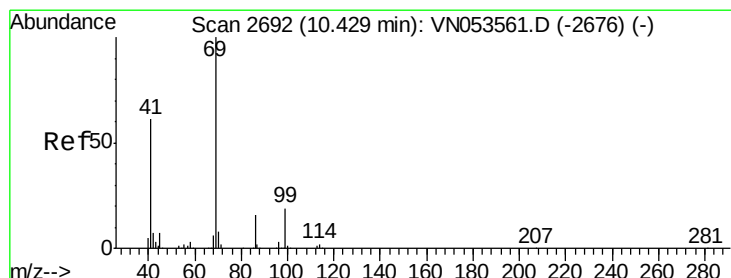
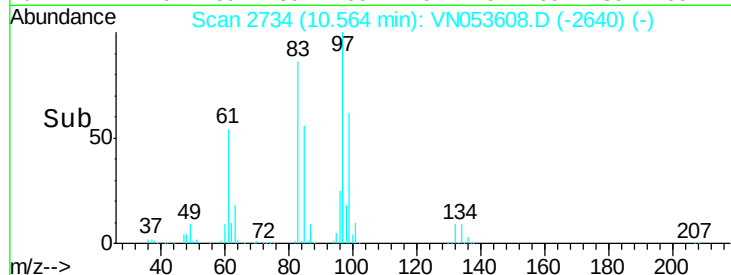
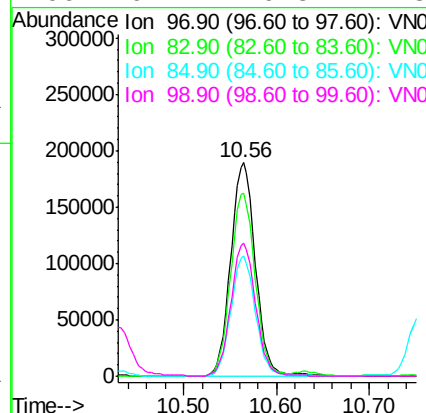
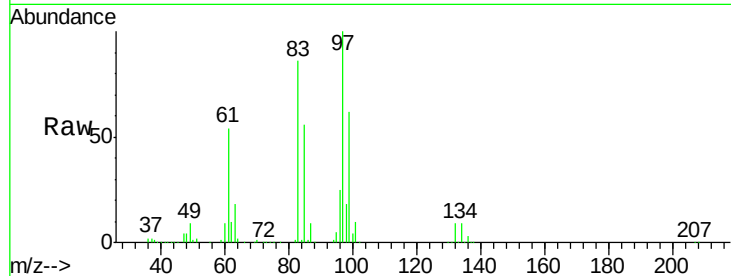
#55
 1,1,2-Trichloroethane
 Concen: 49.975 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.1	105.1
85	56.1	45.4	68.0
99	62.2	49.8	74.8

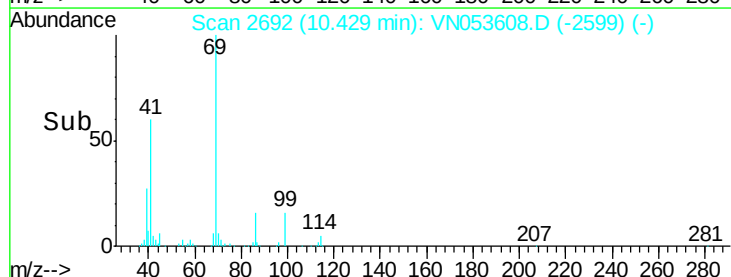
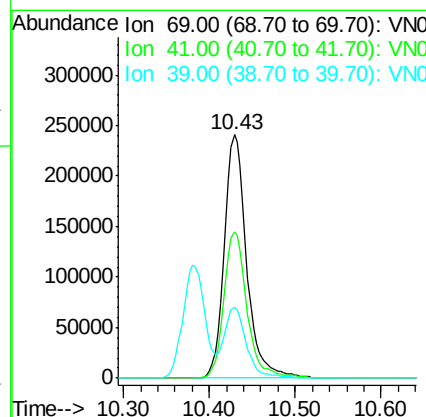
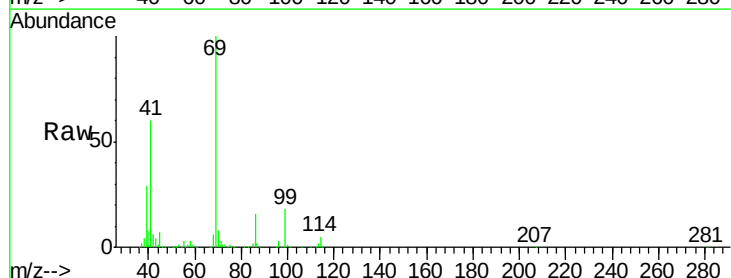
Manual Integrations
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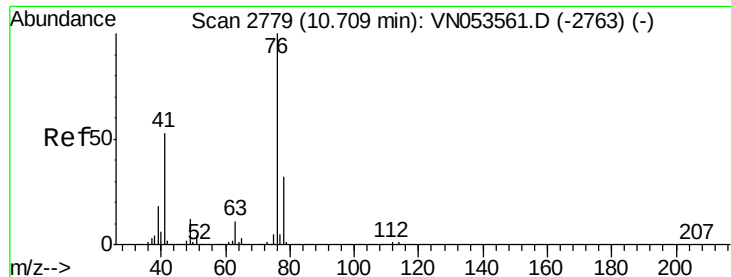
MMDadoda
 2/5/2019 9:54:33 AM



#56
 Ethyl methacrylate
 Concen: 52.567 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.4	74.0
39	28.3	23.3	34.9





#57

1,3-Dichloropropane

Concen: 48.866 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 585940

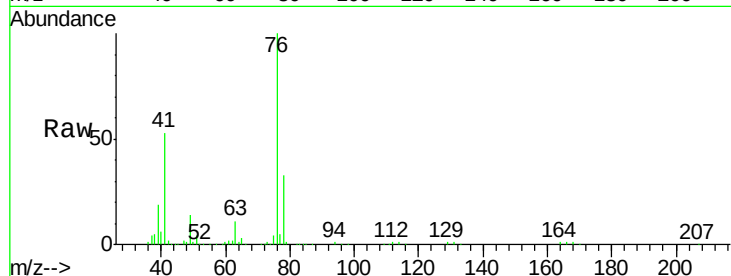
Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4

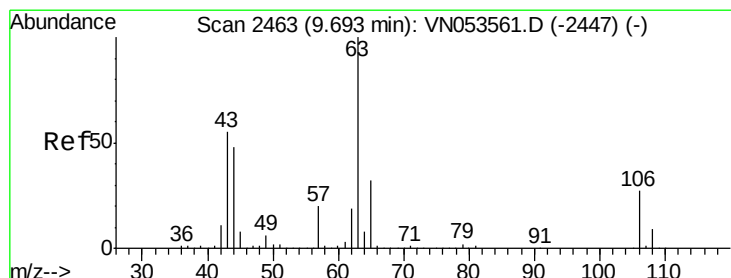
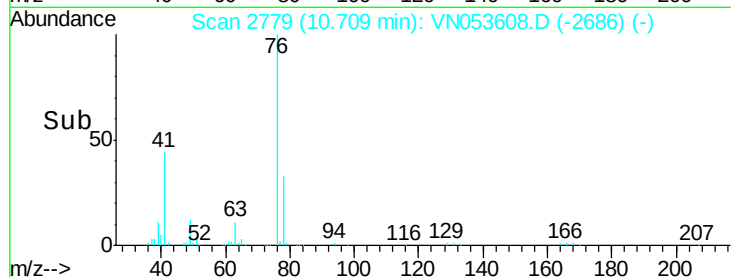
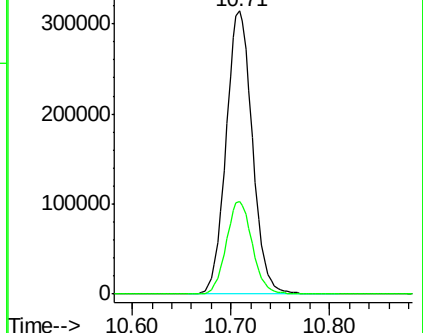
Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:54:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 234.839 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053608.D

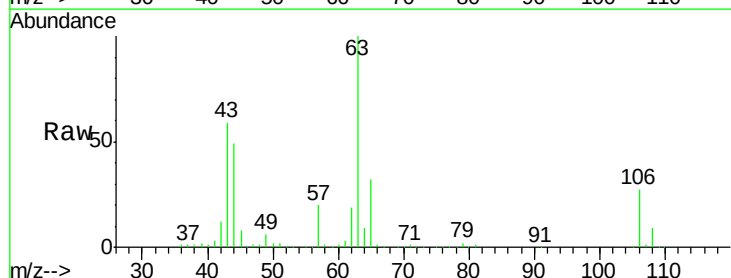
Acq: 4 Feb 2019 20:24

Tgt Ion: 63 Resp: 1206220

Ion Ratio Lower Upper

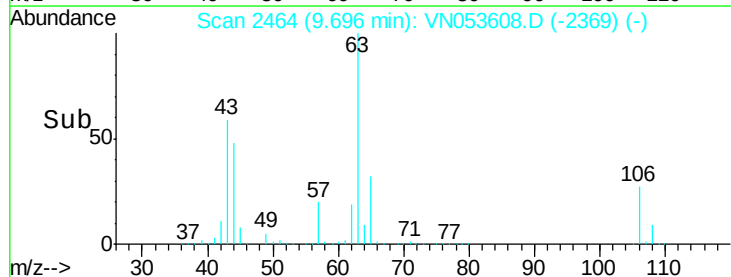
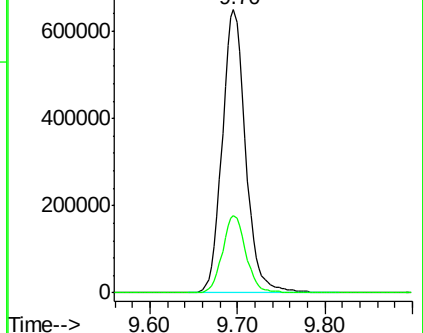
63 100

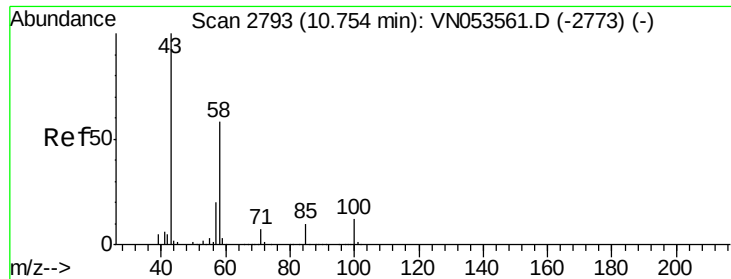
106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





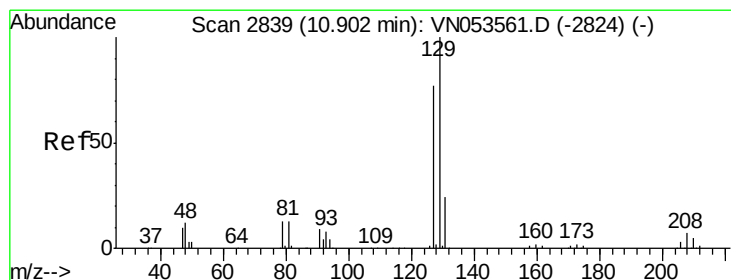
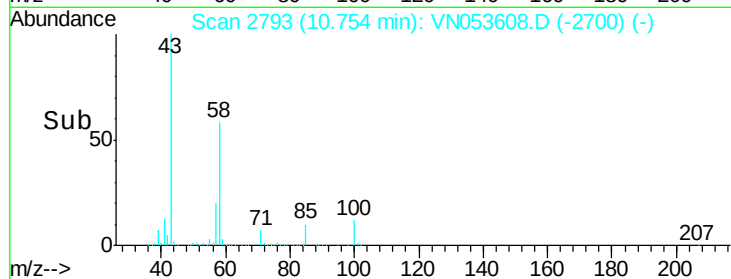
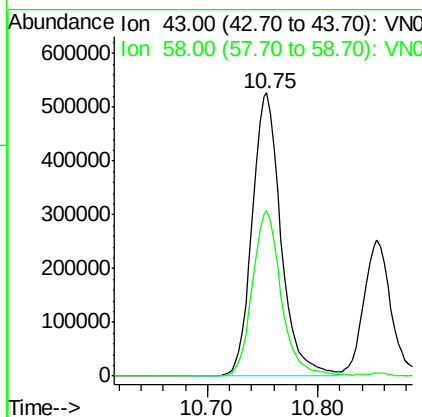
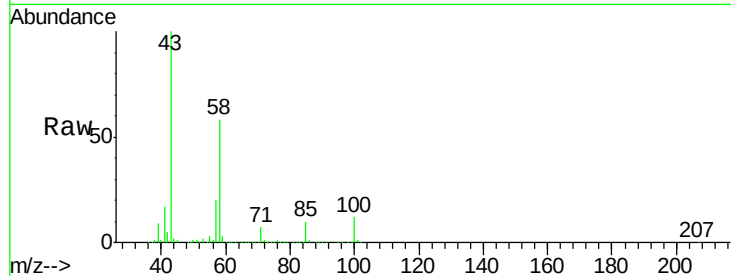
#59
2-Hexanone
Concen: 248.639 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 951759
Ion Ratio Lower Upper
43 100
58 58.4 28.6 85.8

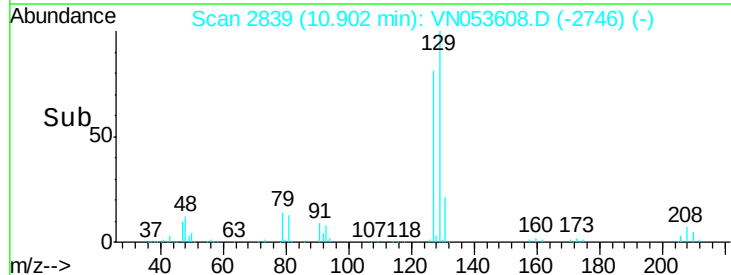
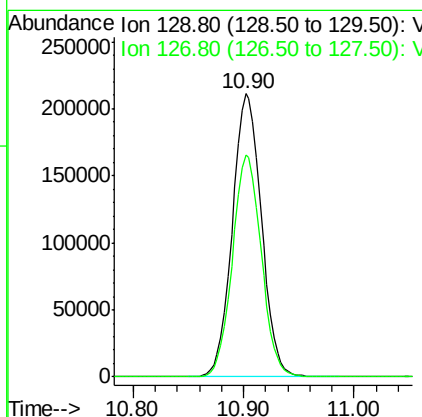
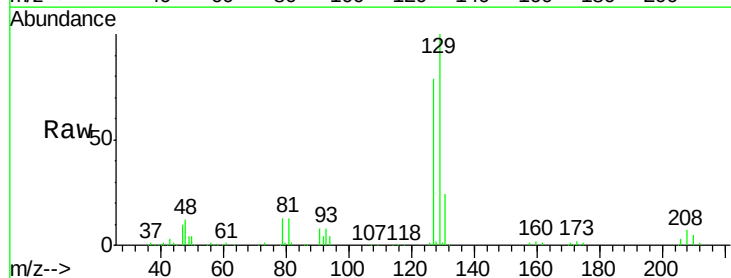
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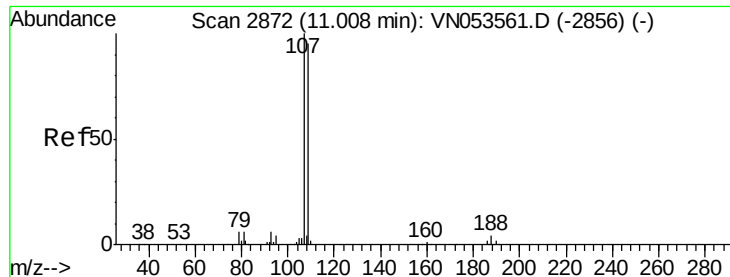
MMDadoda
2/5/2019 9:54:33 AM



#60
Dibromochloromethane
Concen: 48.848 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion: 129 Resp: 386470
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 47.948 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 332959

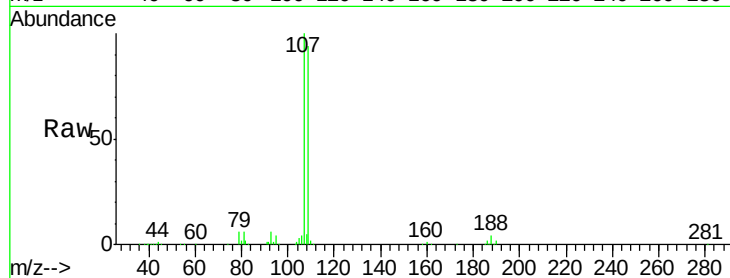
Ion Ratio Lower Upper

107 100

109 94.1 75.7 113.5

Manual Integrations
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2/5/2019 9:54:33 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

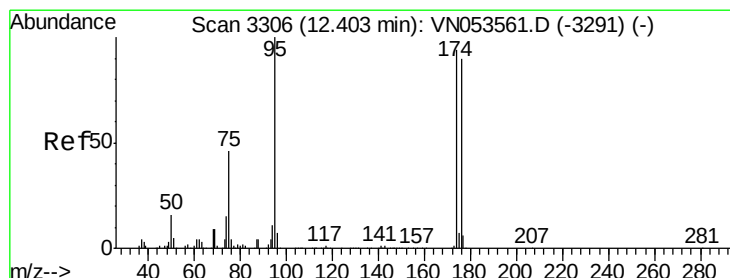
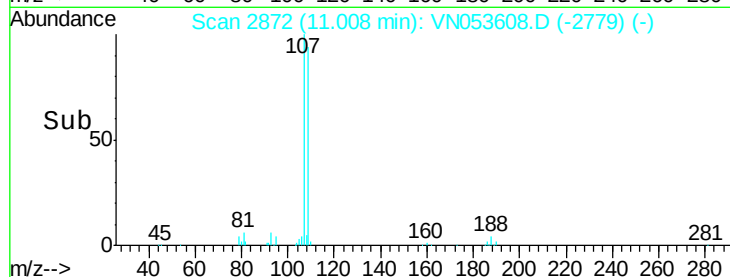
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.948 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

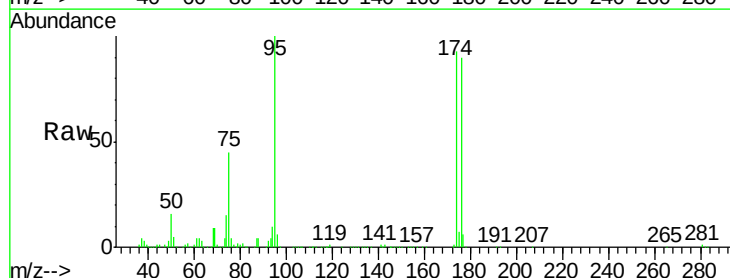
Tgt Ion: 95 Resp: 456809

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.2

176 89.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

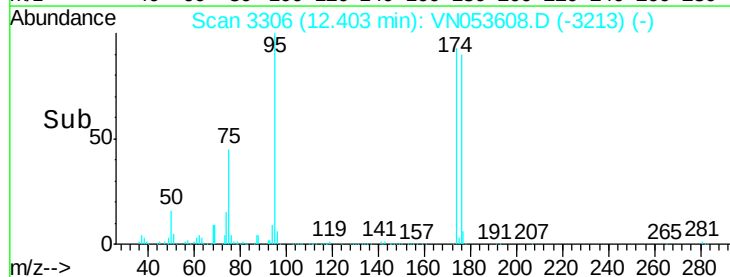
300000

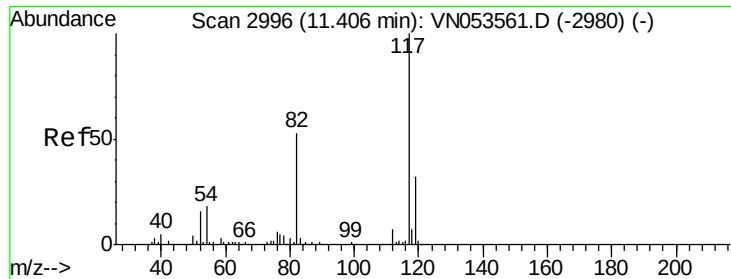
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 1035478

Ion Ratio Lower Upper

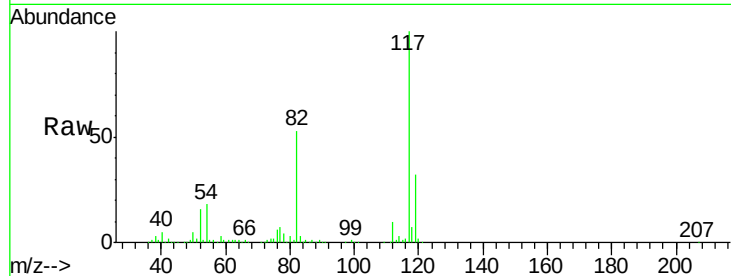
117 100

82 52.7 42.9 64.3

119 32.1 26.0 39.0

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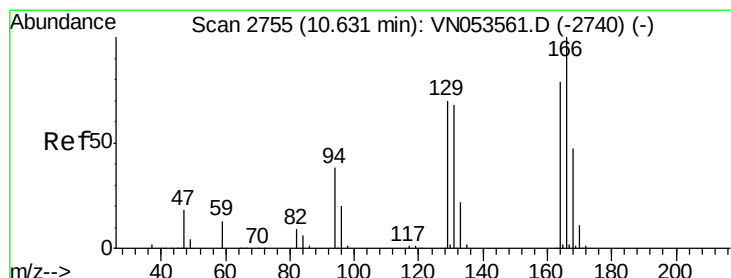
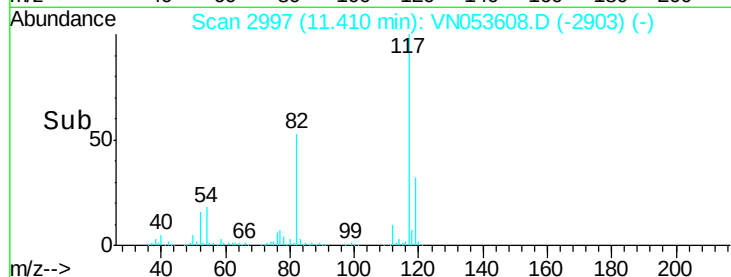
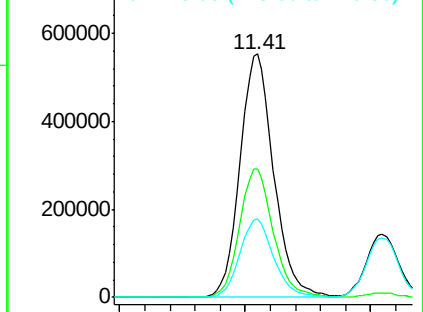
MMDadoda
2/5/2019 9:54:33 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.362 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion:164 Resp: 402651

Ion Ratio Lower Upper

164 100

166 127.5 102.2 153.4

129 92.1 72.6 109.0

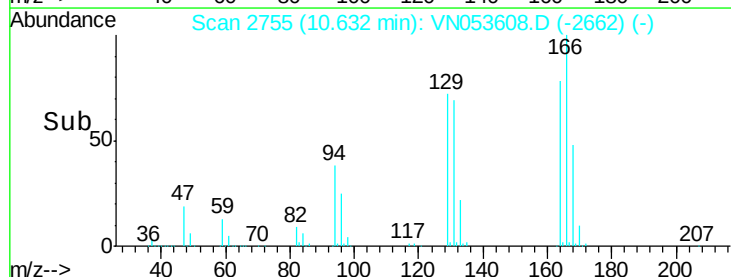
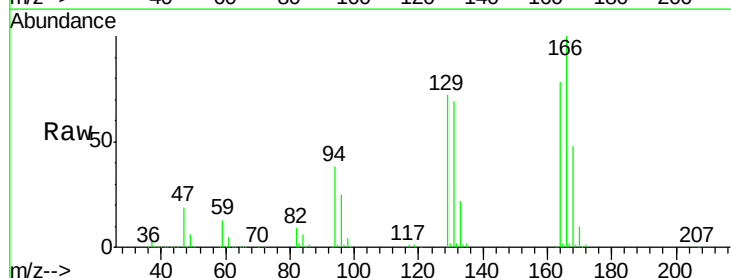
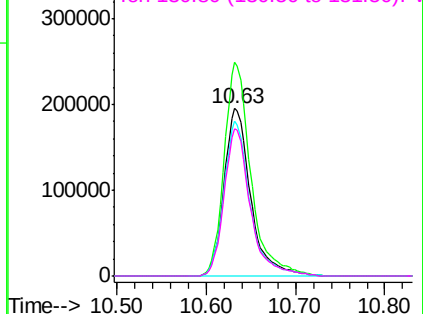
131 87.7 69.5 104.3

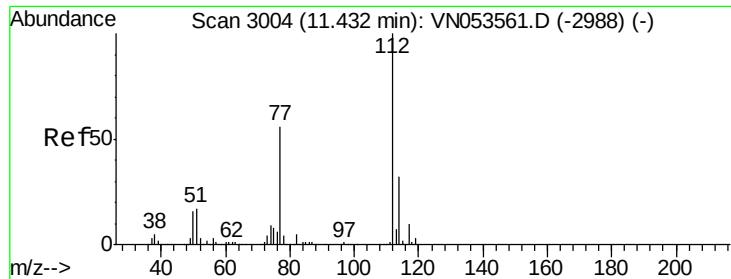
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





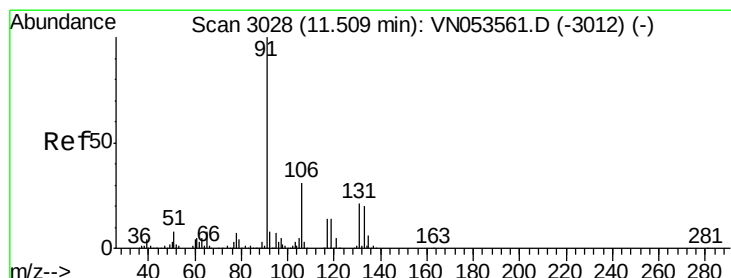
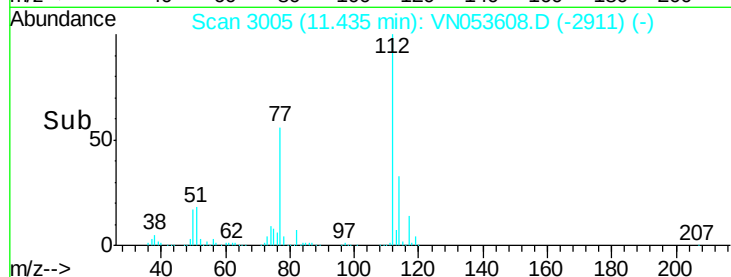
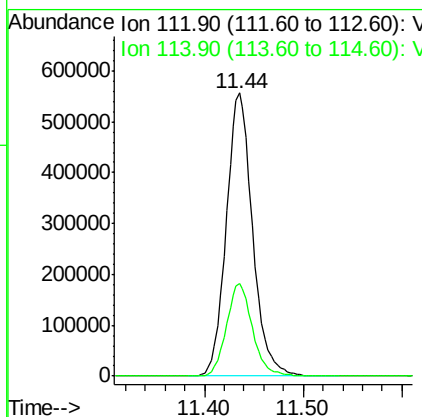
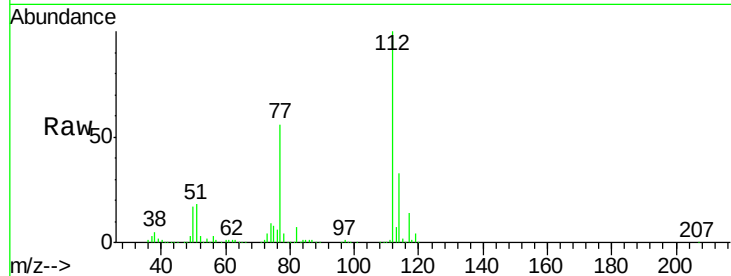
#65
Chlorobenzene
Concen: 47.090 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1035734
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

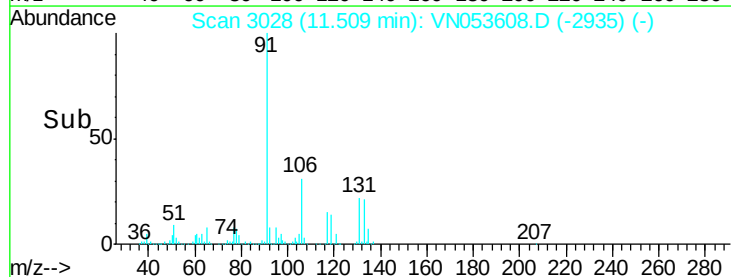
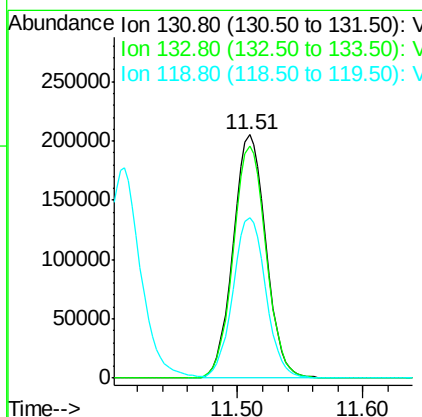
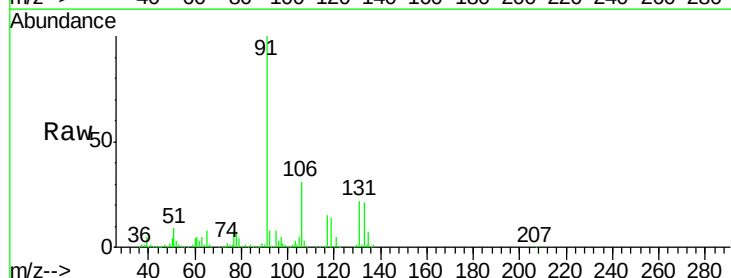
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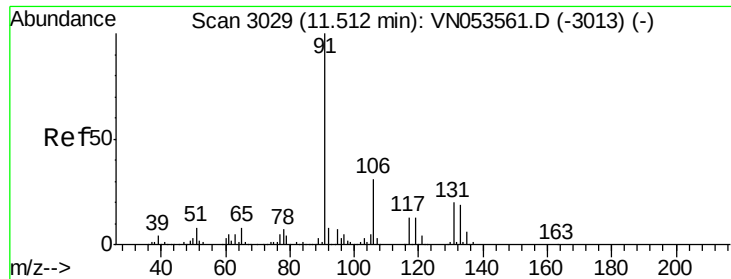
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.601 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion:131 Resp: 373324
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.1 33.5 100.5





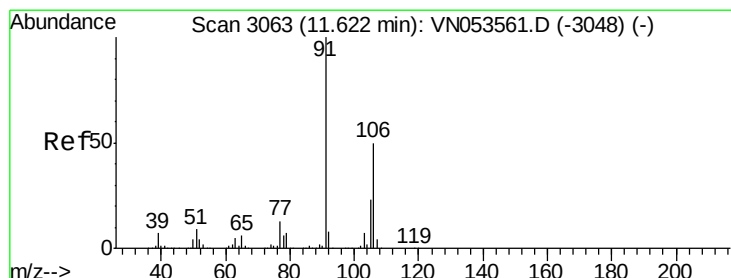
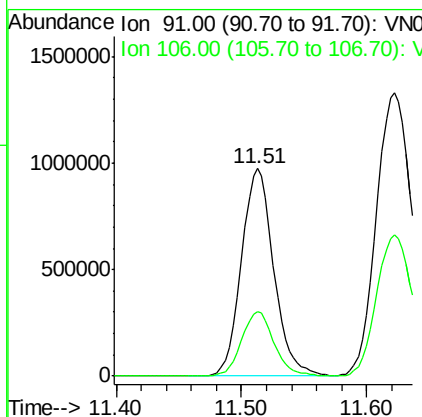
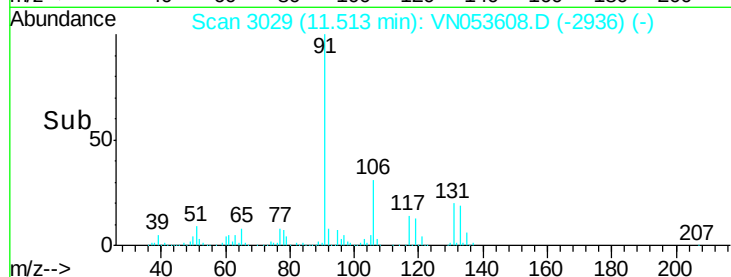
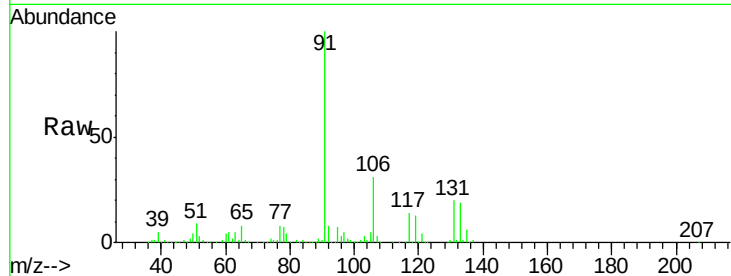
#67
Ethyl Benzene
Concen: 48.444 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1750321
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

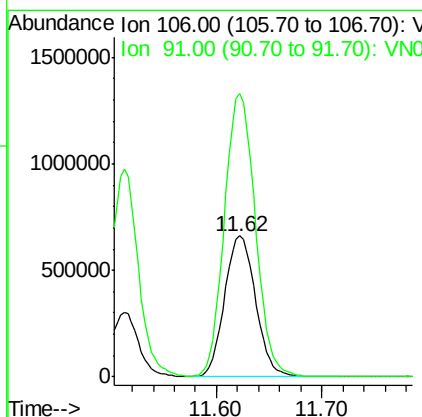
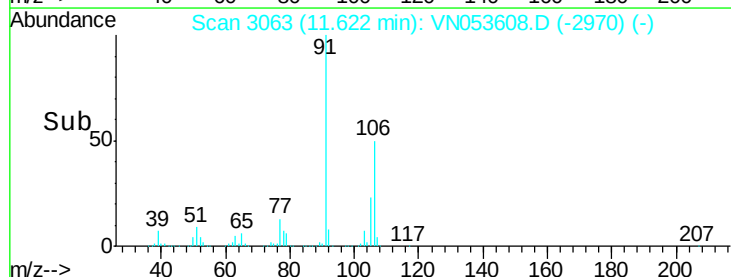
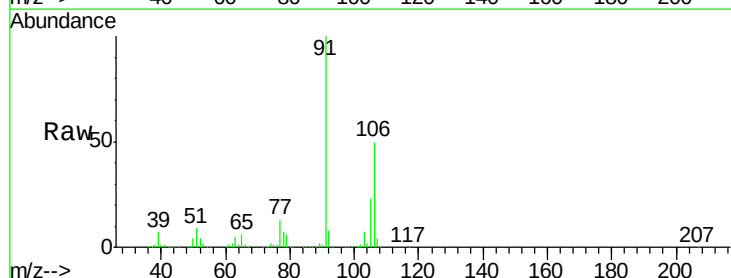
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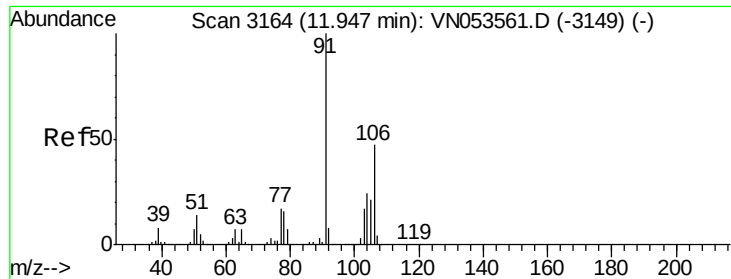
MMDadoda
2/5/2019 9:54:33 AM



#68
m/p-Xylenes
Concen: 98.045 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion: 106 Resp: 1352005
Ion Ratio Lower Upper
106 100
91 199.5 161.4 242.2





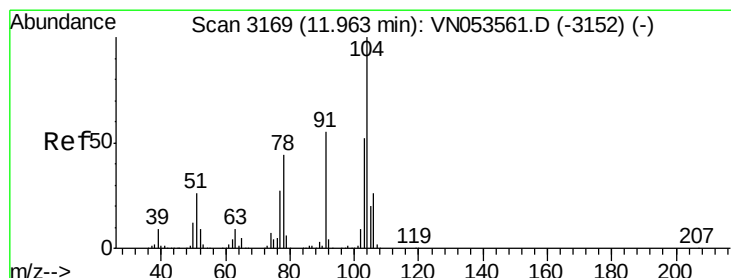
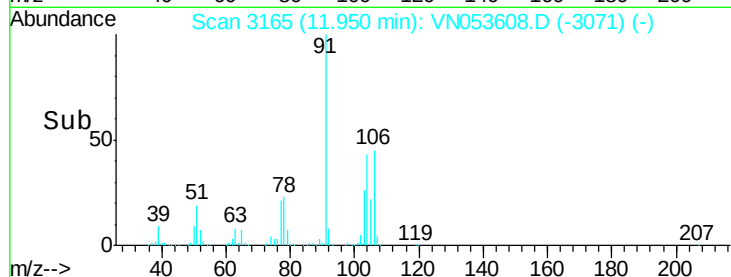
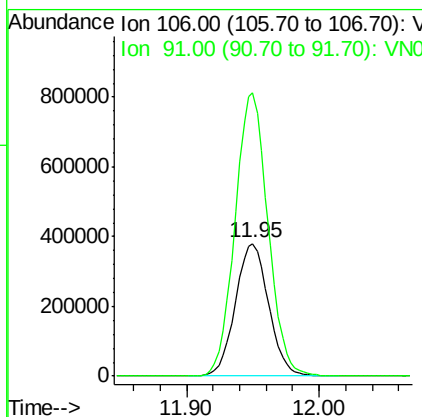
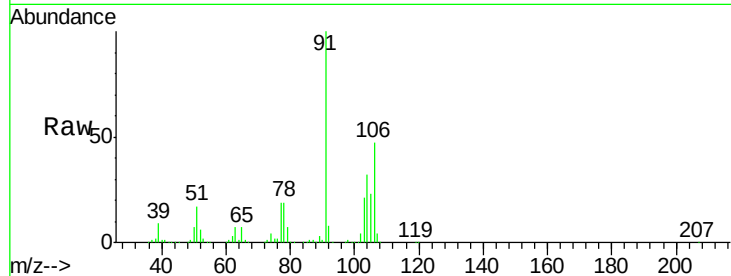
#69
o-Xylene
Concen: 49.585 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	106.9	320.8	

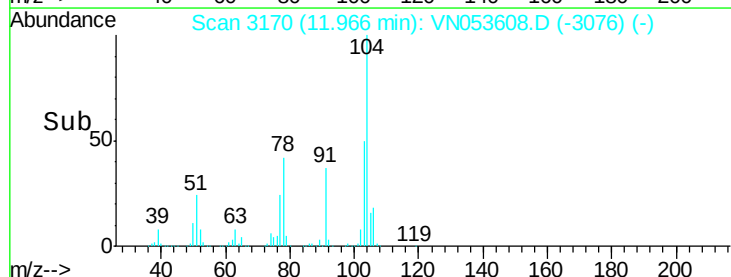
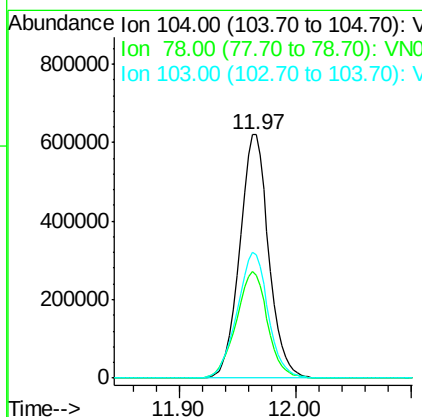
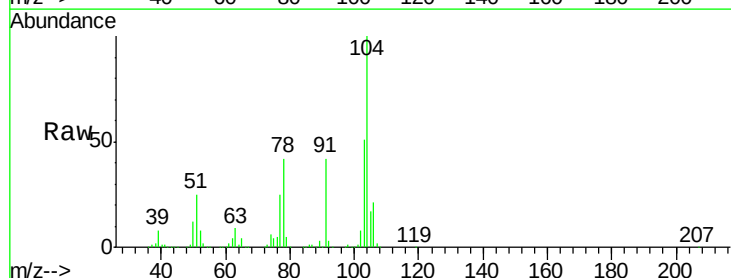
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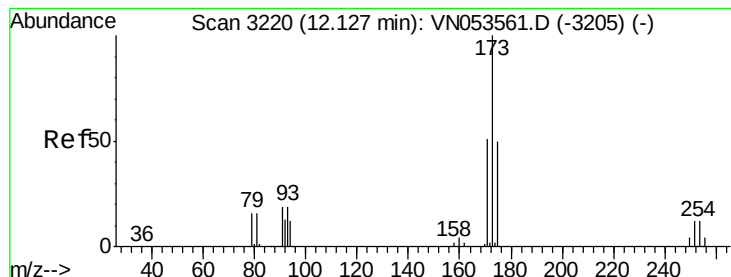
MMDadoda
2/5/2019 9:54:33 AM



#70
Styrene
Concen: 49.694 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.4	38.2	57.2	
103	55.4	44.4	66.6	





#71

Bromoform

Concen: 50.828 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 267669

Ion Ratio Lower Upper

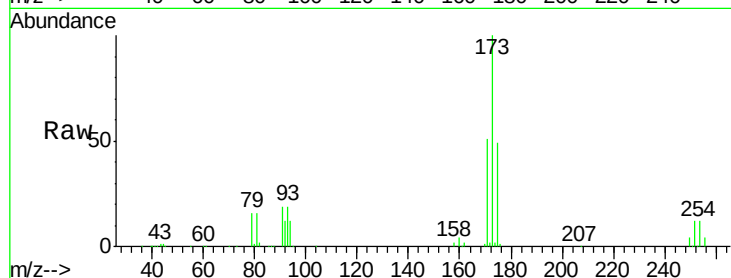
173 100

175 48.7 24.6 74.0

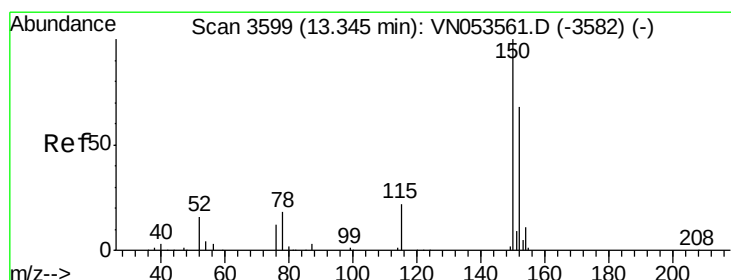
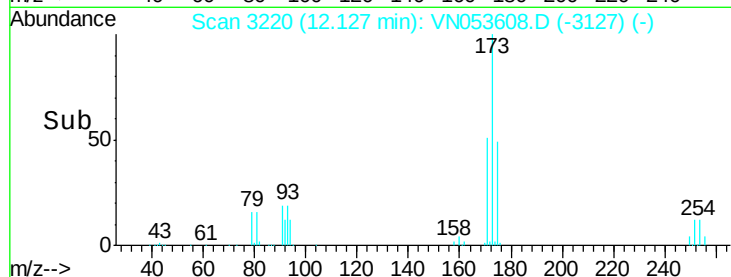
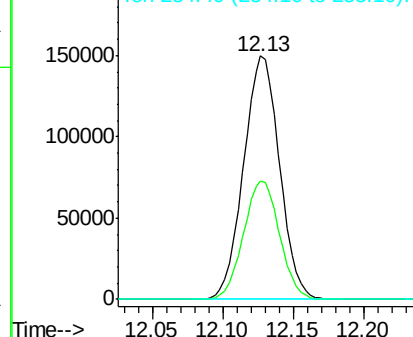
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

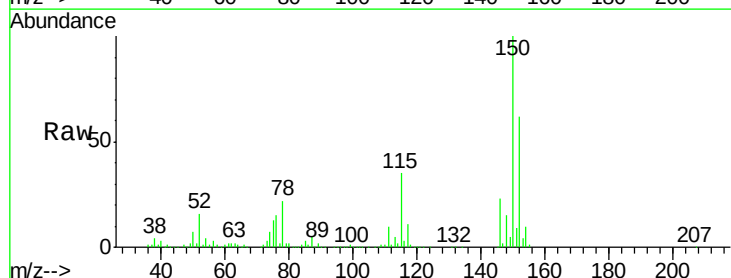
Tgt Ion:152 Resp: 487684

Ion Ratio Lower Upper

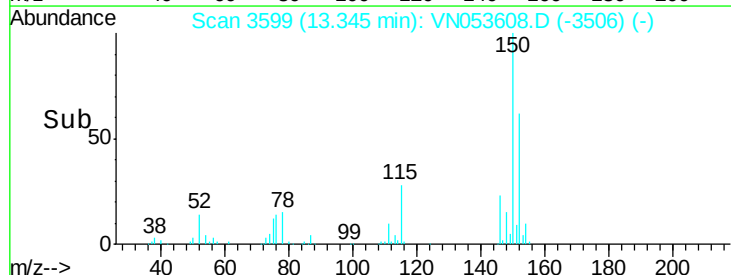
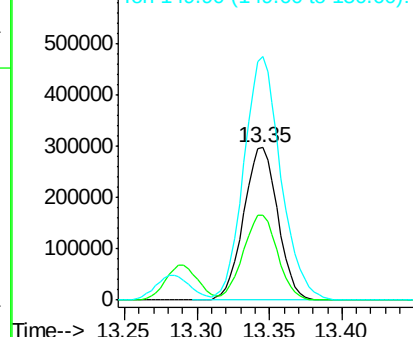
152 100

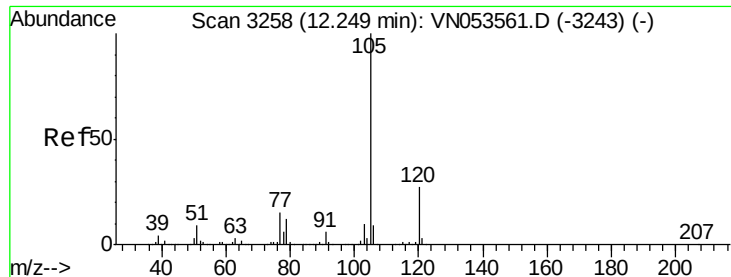
115 56.1 27.8 83.4

150 172.7 0.0 349.0



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: 49.520 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1697710

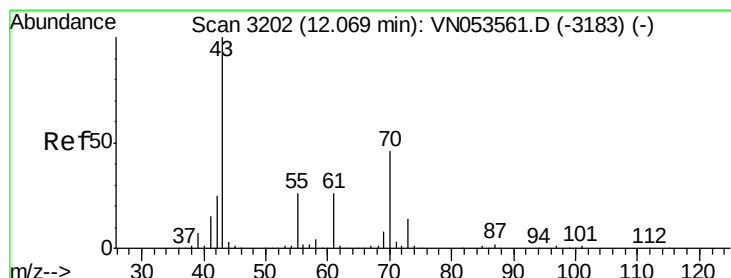
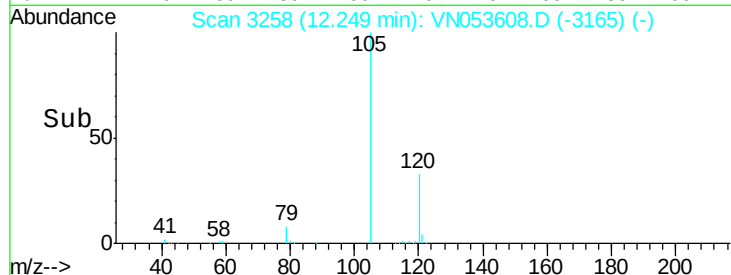
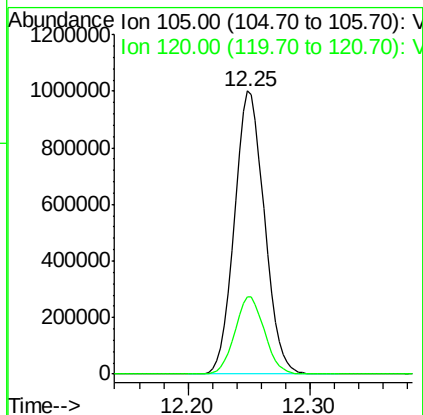
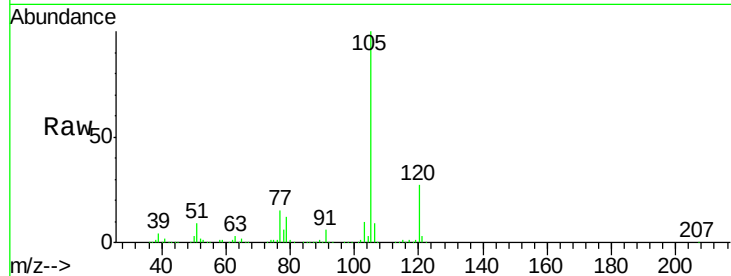
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

Manual Integrations
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2/5/2019 9:54:33 AM



#74

N-ethyl acetate

Concen: 53.508 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion: 43 Resp: 441120

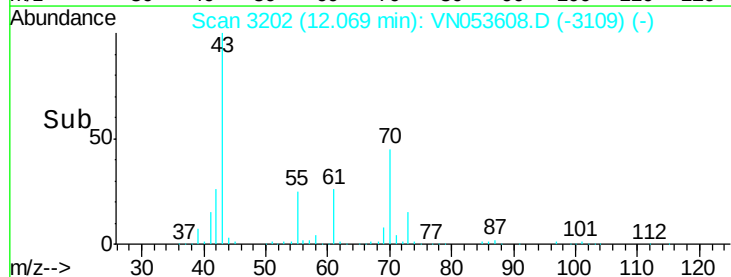
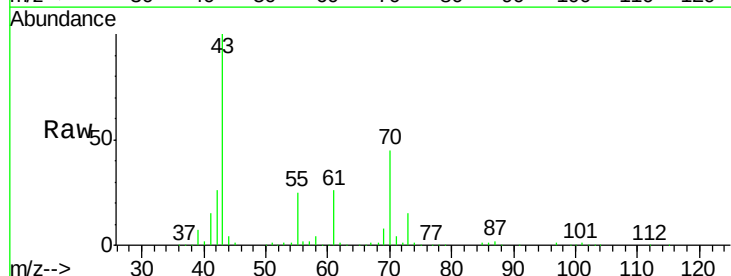
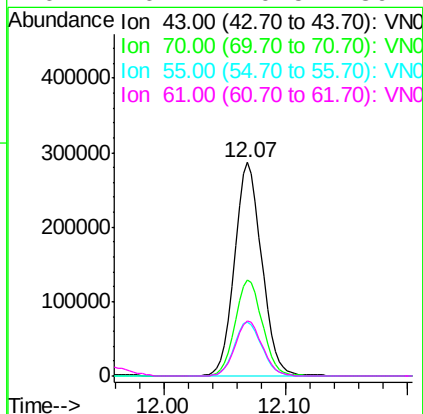
Ion Ratio Lower Upper

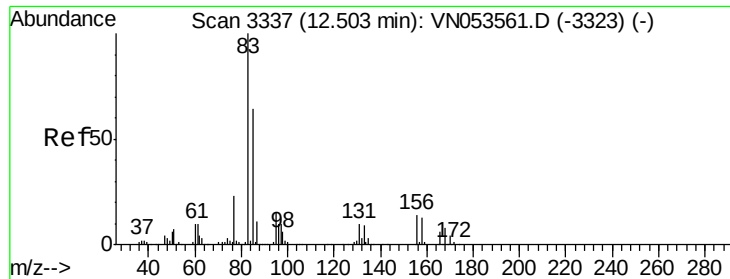
43 100

70 45.7 35.4 53.2

55 25.8 20.9 31.3

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.365 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 405038
Ion Ratio Lower Upper

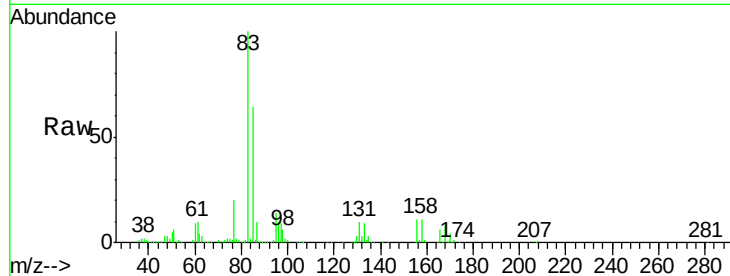
83 100

131 10.3 5.3 15.8

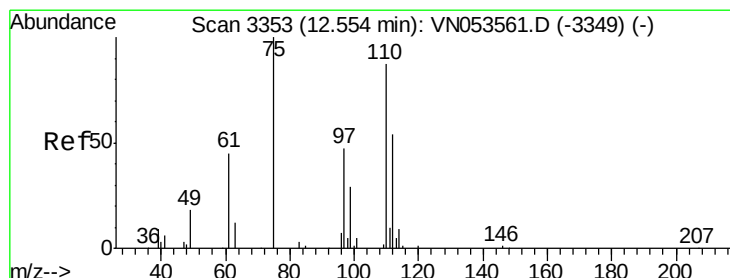
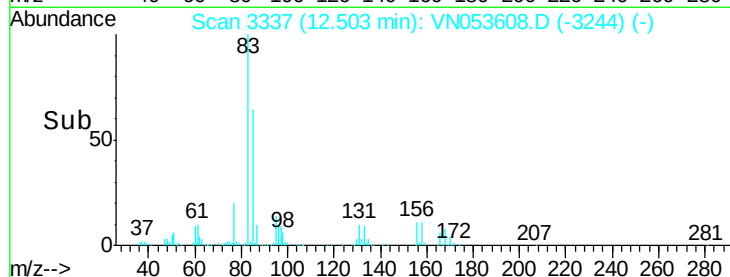
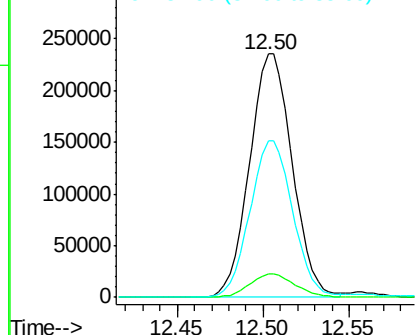
85 64.5 32.1 96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 53.385 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

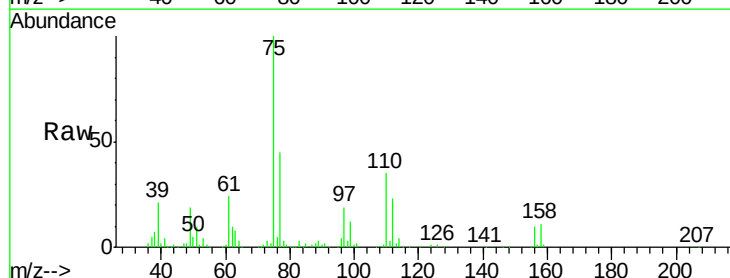
Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

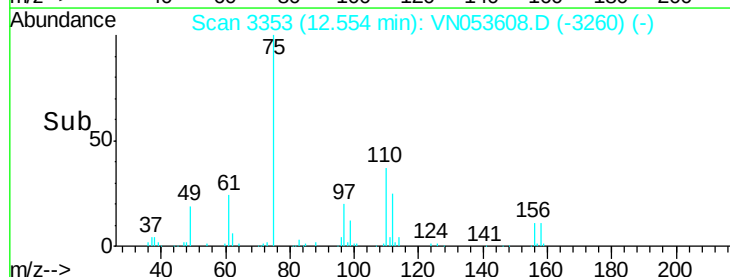
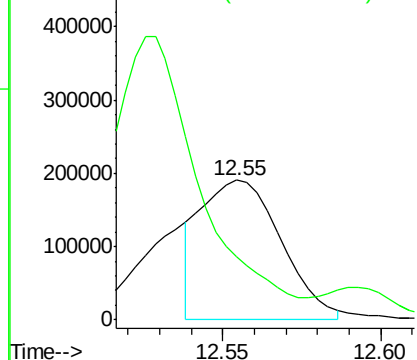
Tgt Ion: 75 Resp: 334403
Ion Ratio Lower Upper

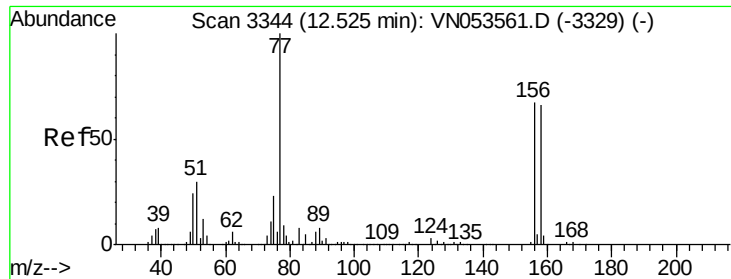
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





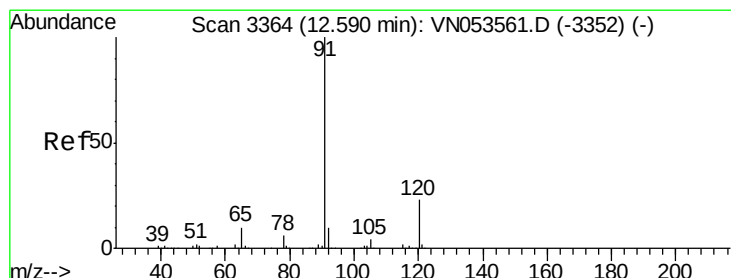
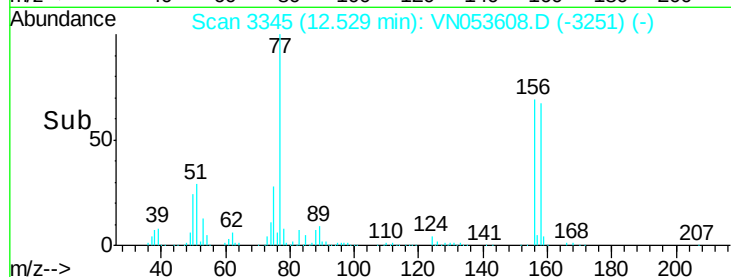
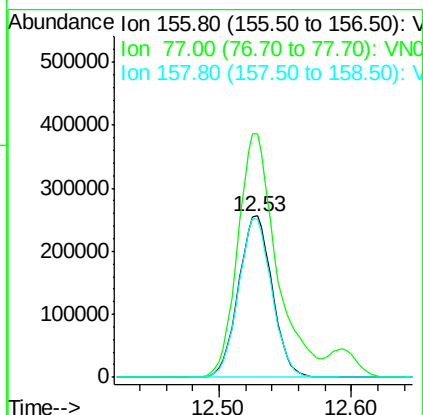
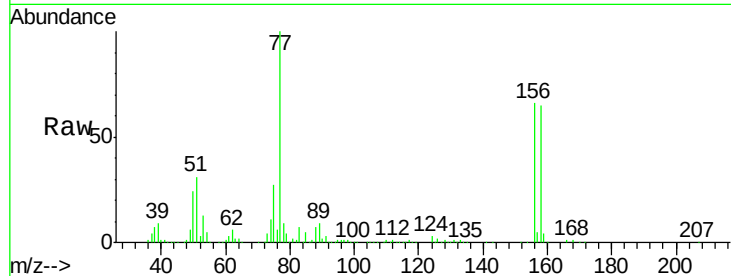
#77
Bromobenzene
Concen: 48.806 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
156	100	450950		
77	174.2	87.9	263.8	
158	97.6	48.8	146.4	

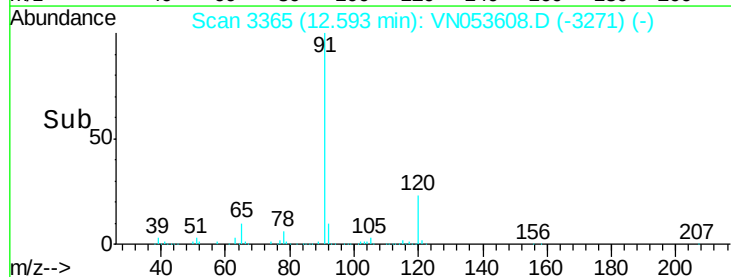
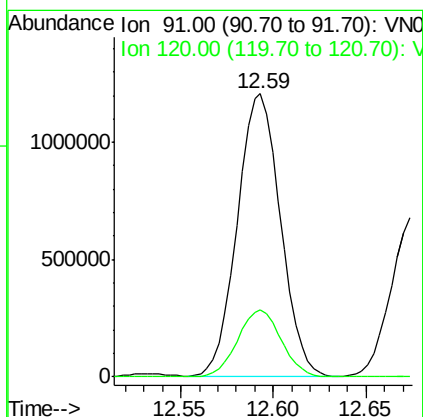
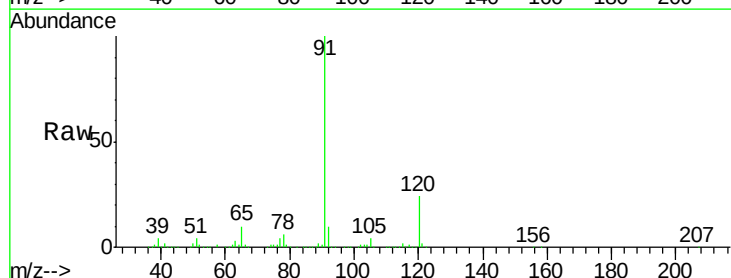
Manual Integrations
APPROVED

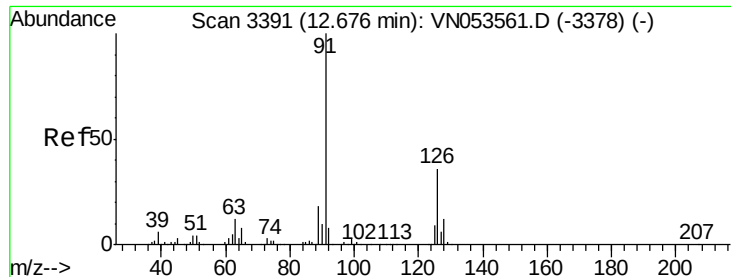
MMDadoda
2/5/2019 9:54:33 AM



#78
n-propylbenzene
Concen: 49.233 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1951205		
120	23.8	11.9	35.5	





#79

2-Chlorotoluene

Concen: 49.218 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1157251

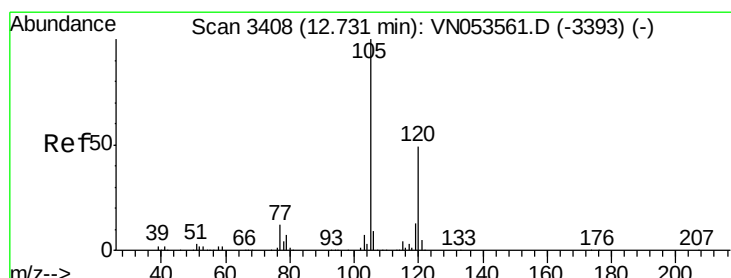
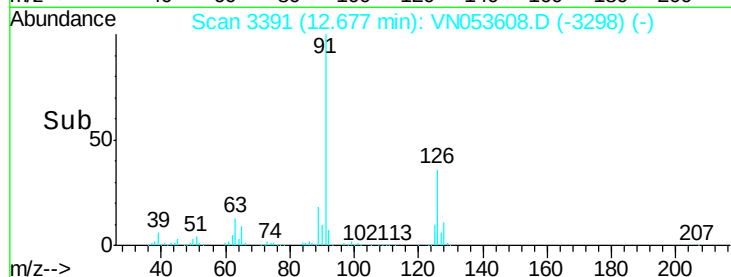
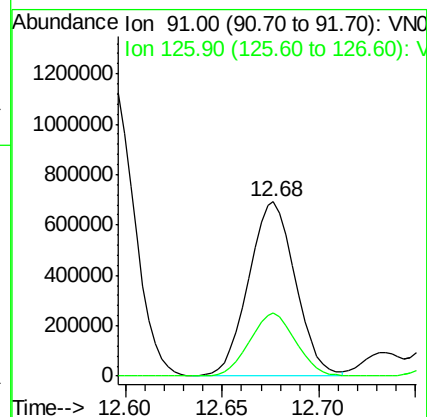
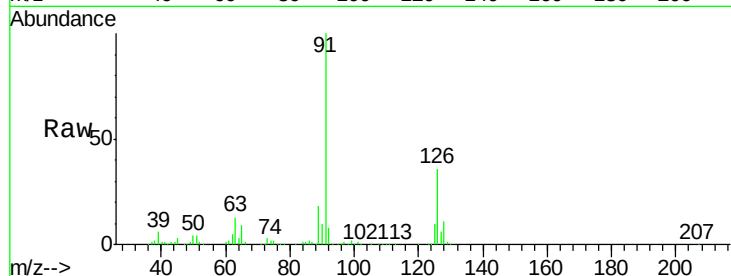
Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7

Manual Integrations
APPROVED

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2/5/2019 9:54:33 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.679 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053608.D

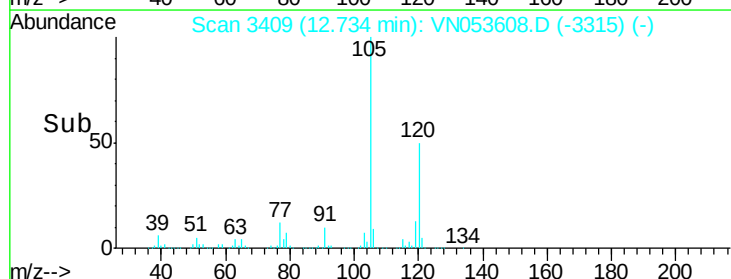
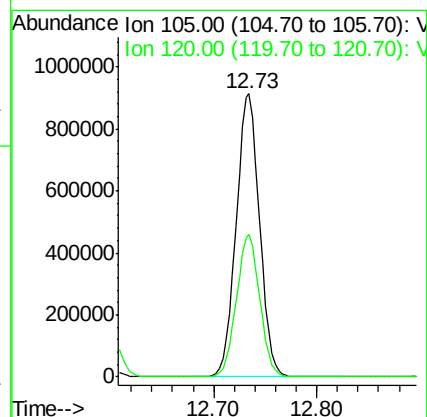
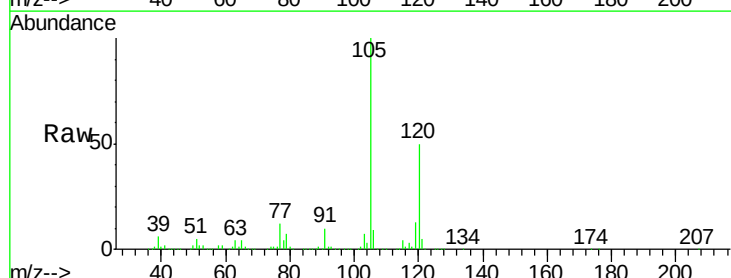
Acq: 4 Feb 2019 20:24

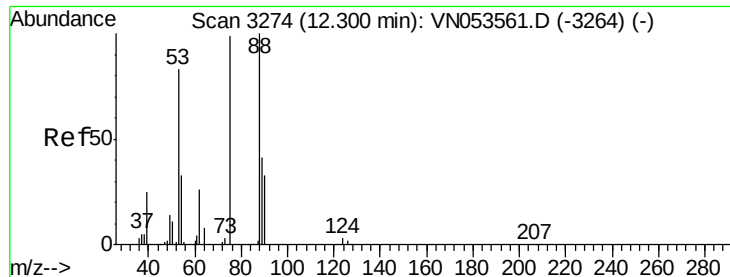
Tgt Ion: 105 Resp: 1440769

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.837 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 108792

Ion Ratio Lower Upper

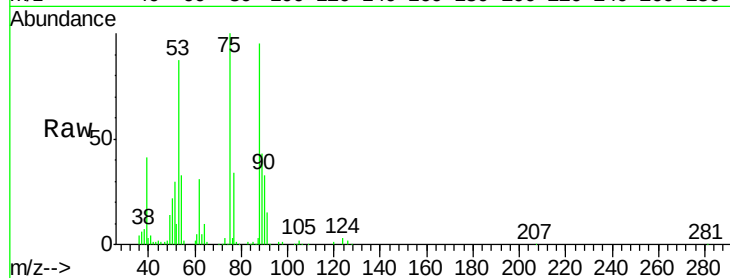
75 100

53 87.1 69.8 104.6

89 44.6 35.6 53.4

Manual Integrations
APPROVED

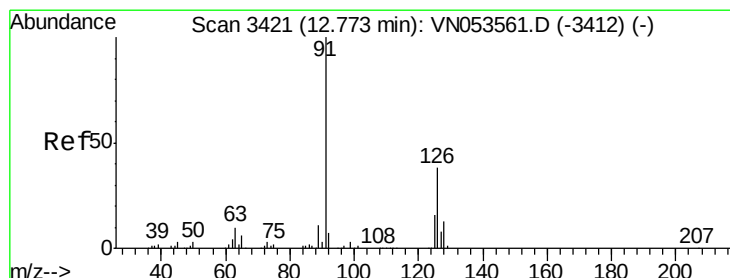
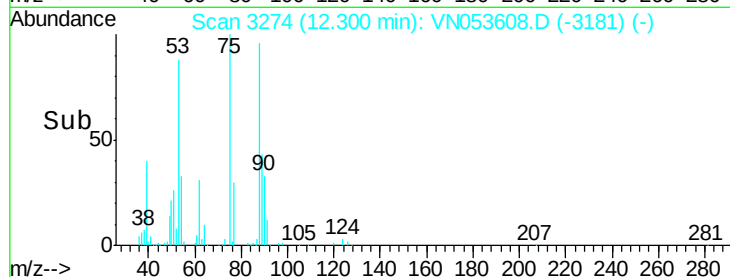
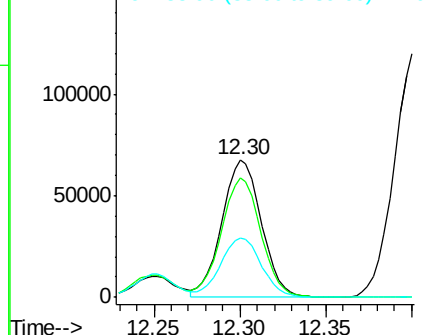
MMDadoda
2/5/2019 9:54:33 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.991 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053608.D

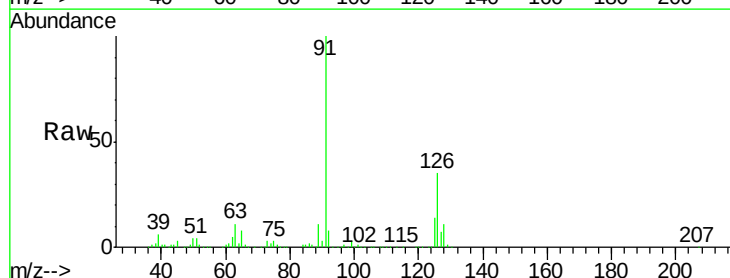
Acq: 4 Feb 2019 20:24

Tgt Ion: 91 Resp: 1182042

Ion Ratio Lower Upper

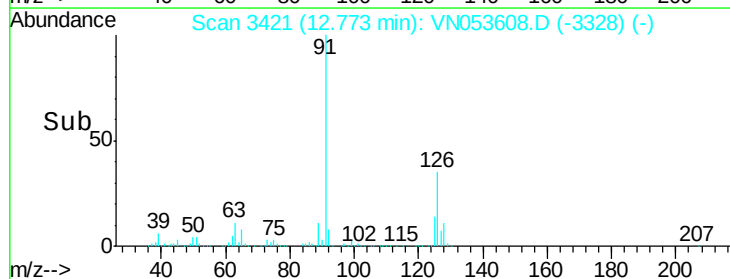
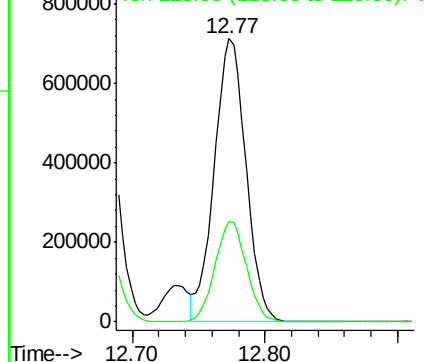
91 100

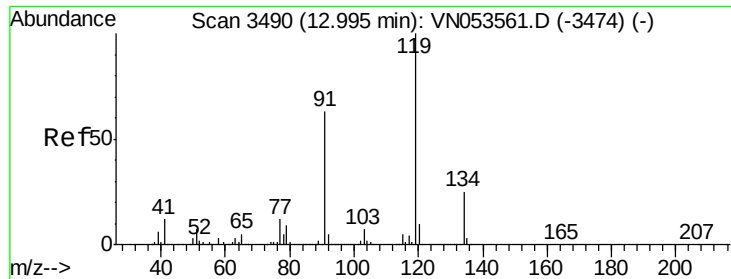
126 35.1 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





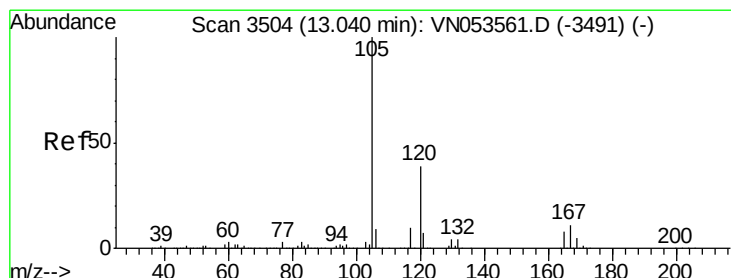
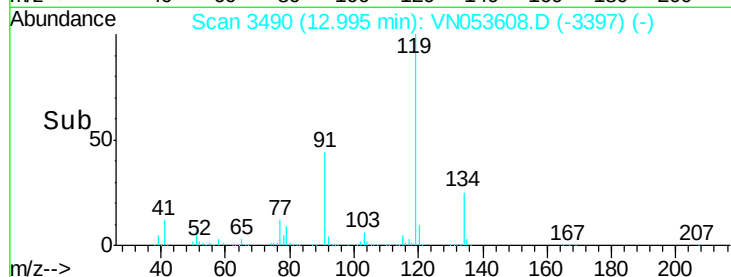
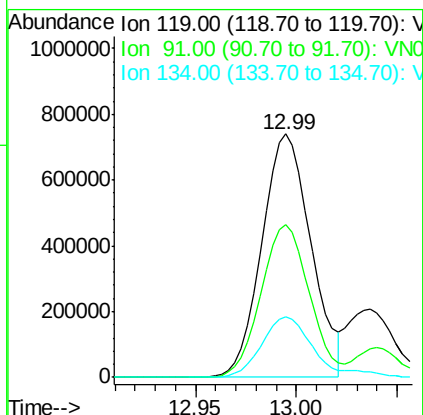
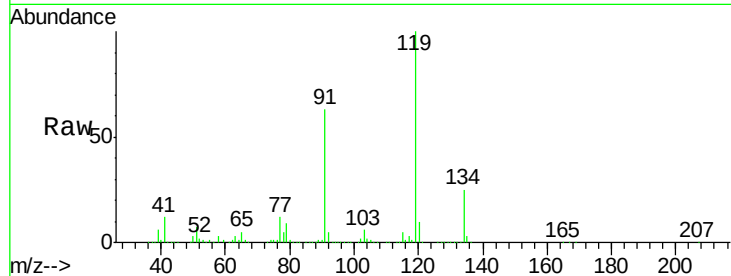
#83
 tert-Butylbenzene
 Concen: 49.989 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.3	93.8
134	26.5	12.9	38.7

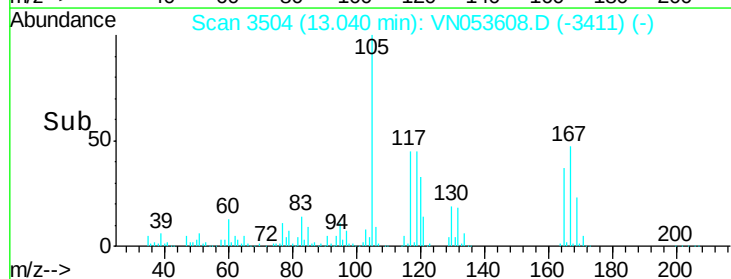
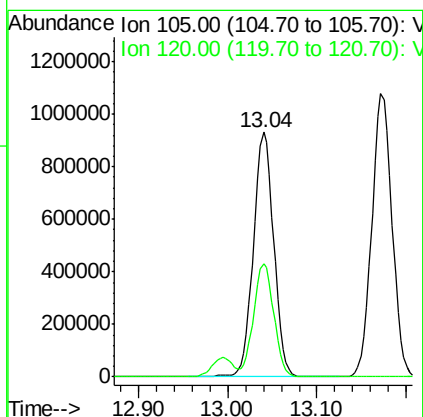
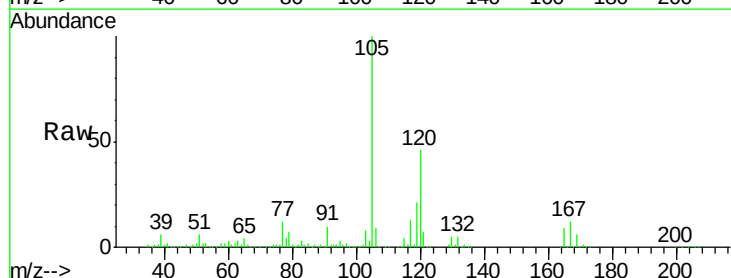
Manual Integrations
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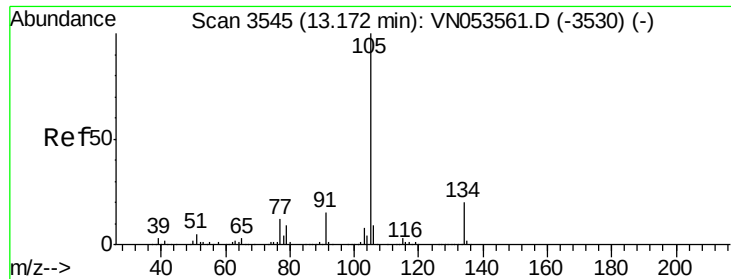
MMDadoda
 2/5/2019 9:54:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.868 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 49.311 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1686046

Ion Ratio Lower Upper

105 100

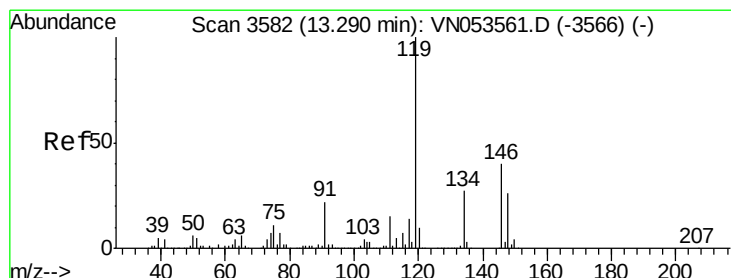
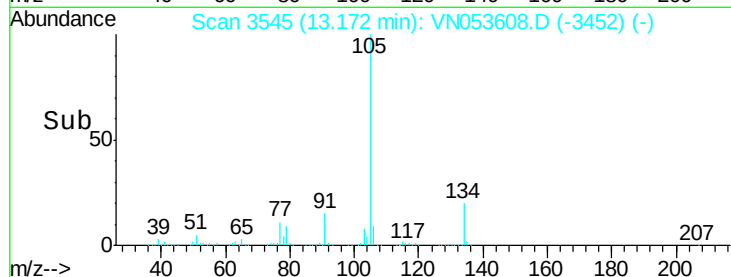
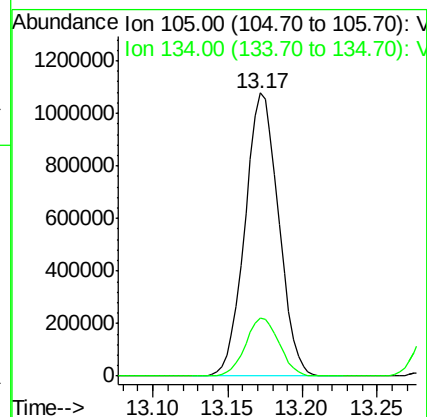
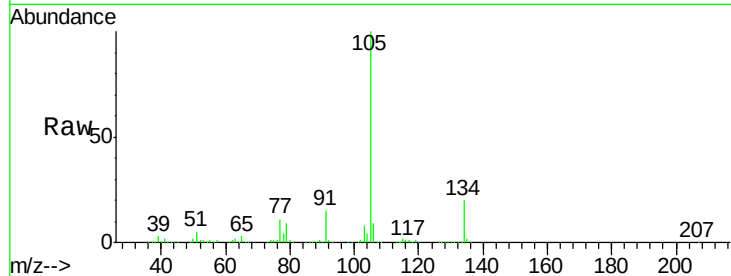
134 20.6 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.761 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

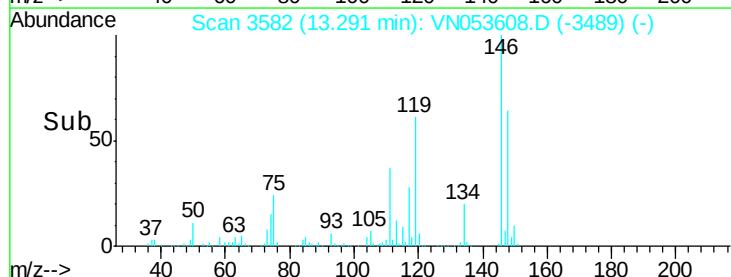
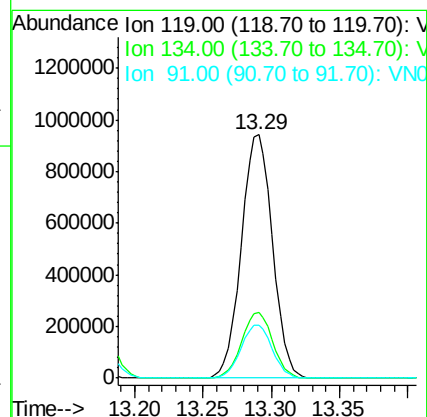
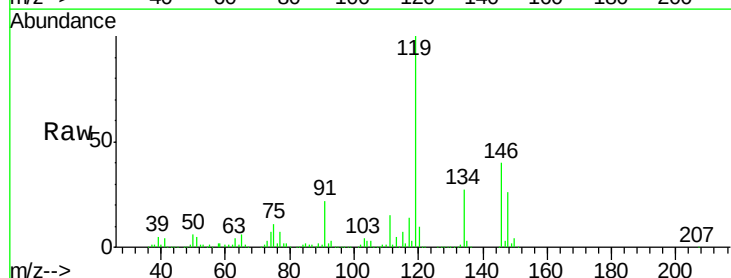
Tgt Ion:119 Resp: 1488054

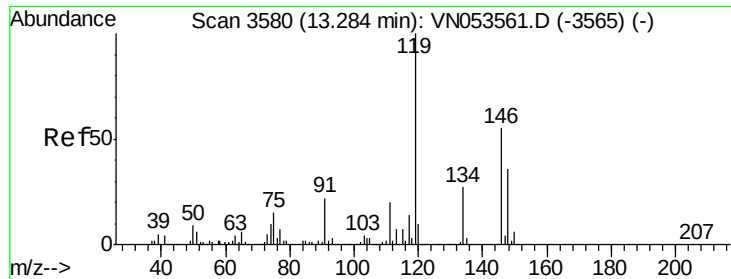
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 11.0 33.0





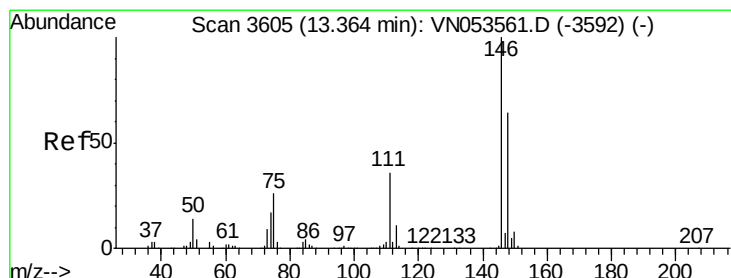
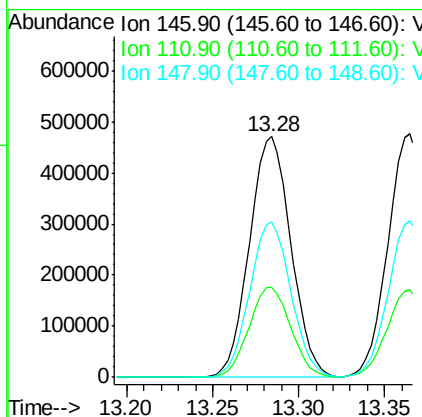
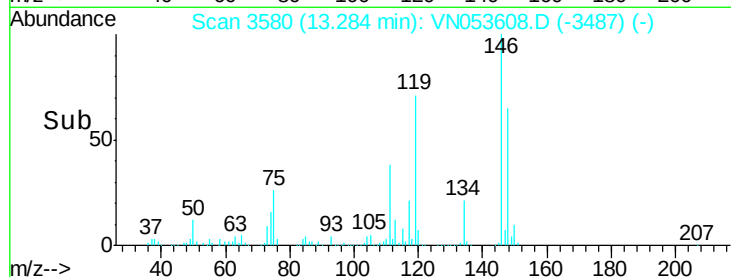
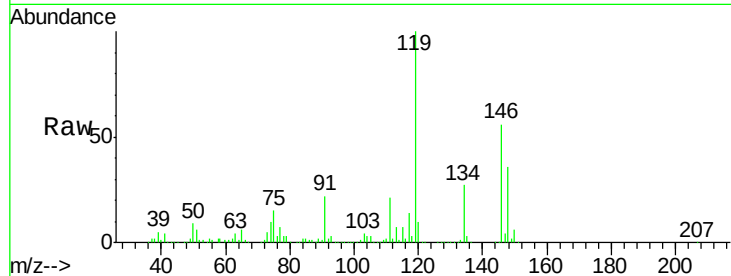
#87
 1,3-Dichlorobenzene
 Concen: 47.532 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.1	32.0	96.2

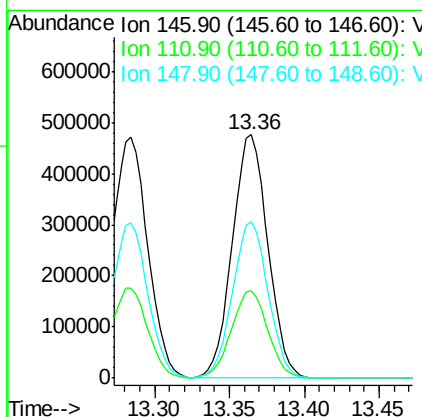
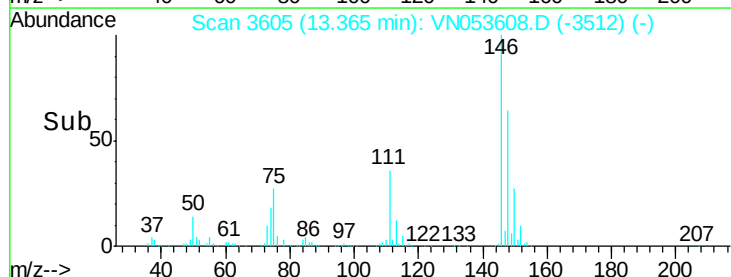
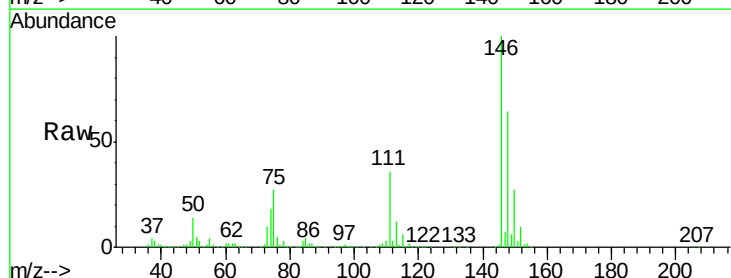
Manual Integrations
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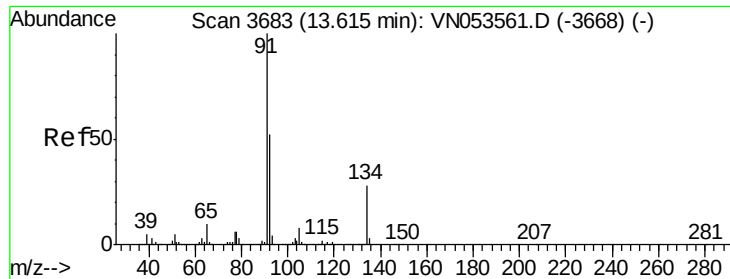
MMDadoda
 2/5/2019 9:54:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.957 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	64.2	32.4	97.0





#89

n-Butylbenzene

Concen: 48.271 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1249447

Ion Ratio Lower Upper

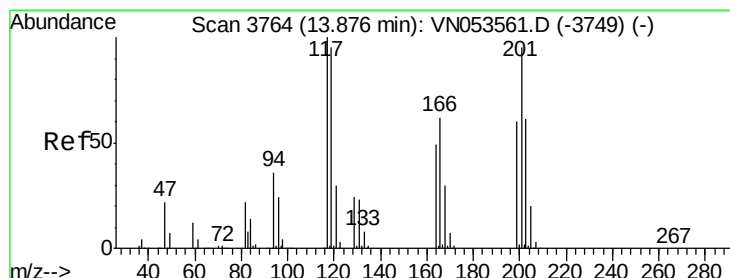
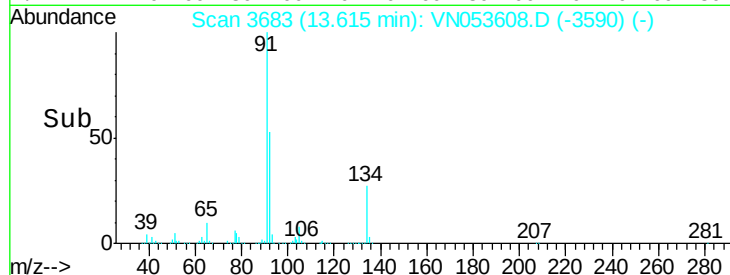
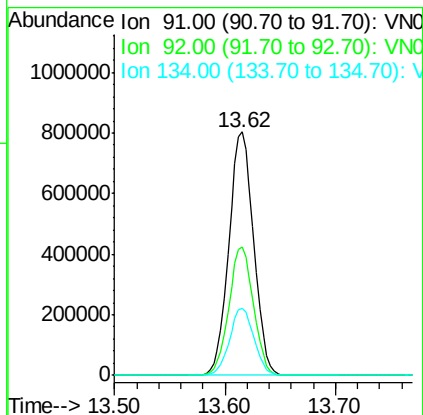
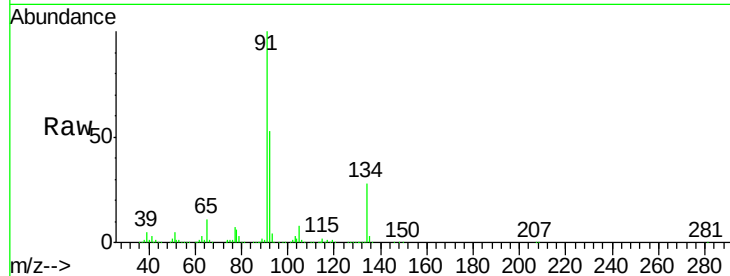
91 100

92 52.4 26.3 78.8

134 27.2 13.5 40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 49.342 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053608.D

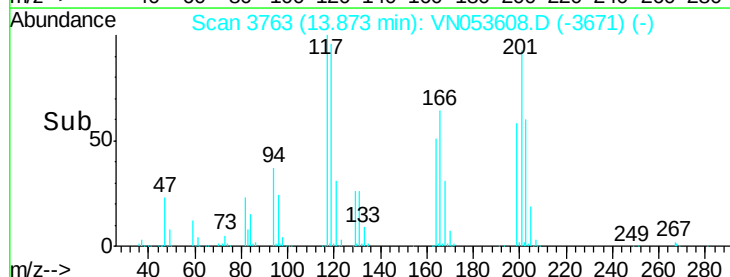
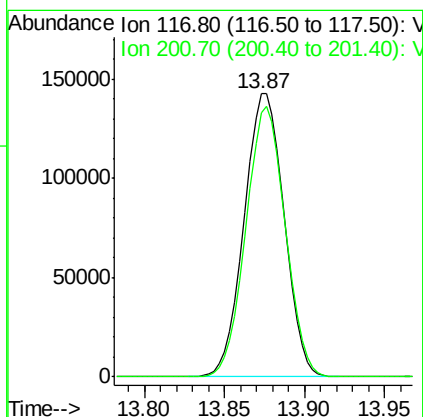
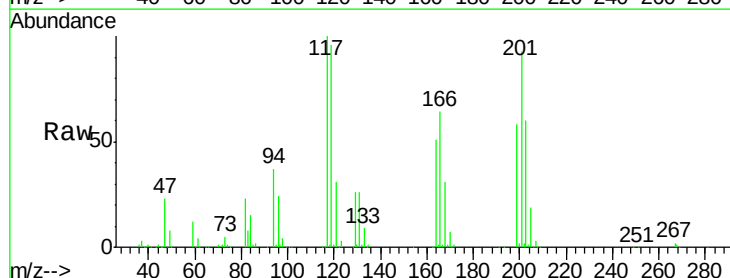
Acq: 4 Feb 2019 20:24

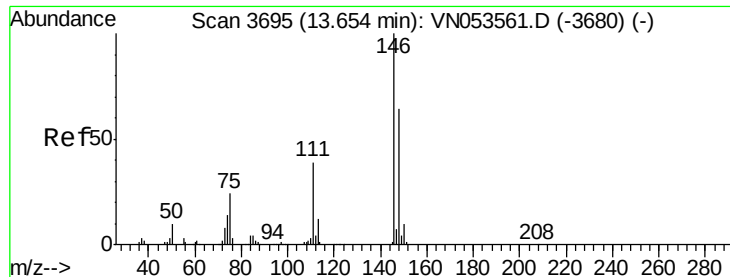
Tgt Ion: 117 Resp: 243384

Ion Ratio Lower Upper

117 100

201 94.1 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 48.049 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Instrument :

MSVOA_N

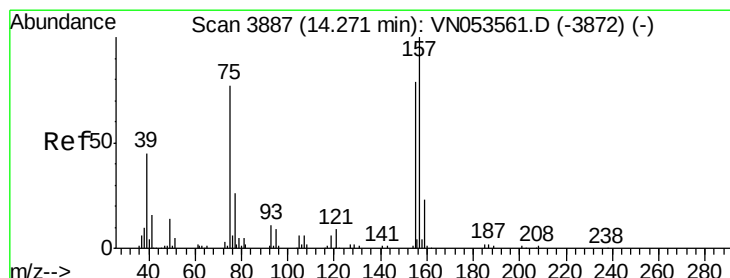
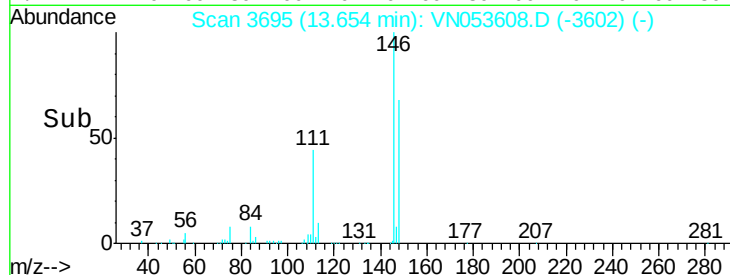
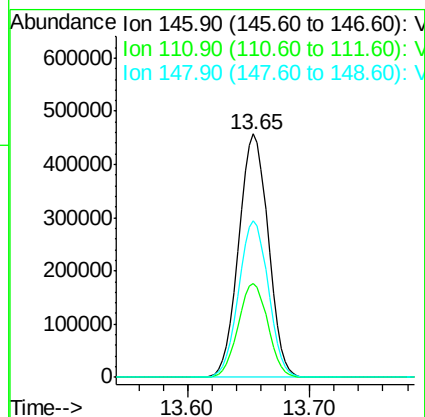
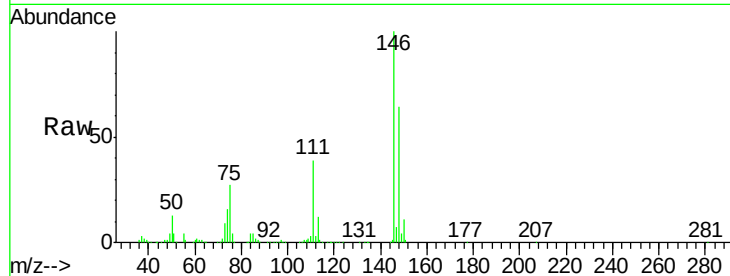
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	764032
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.5	58.5
148	64.7	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.667 ug/l

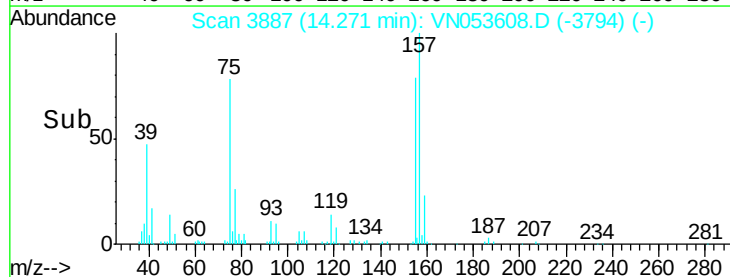
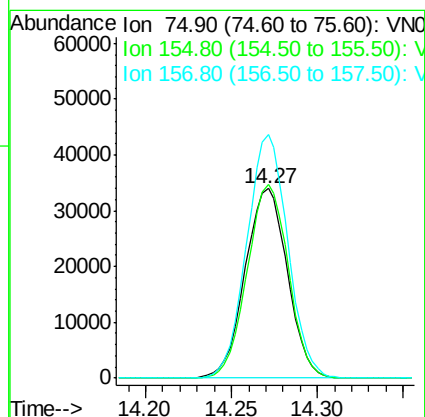
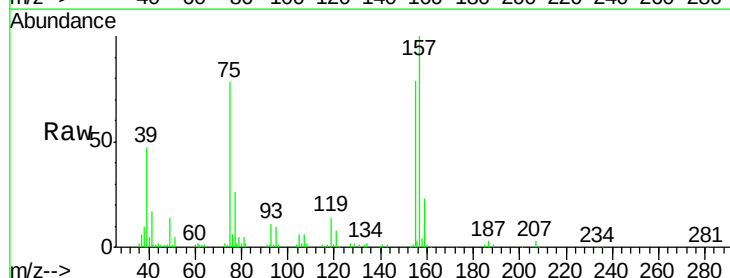
RT: 14.27 min Scan# 3887

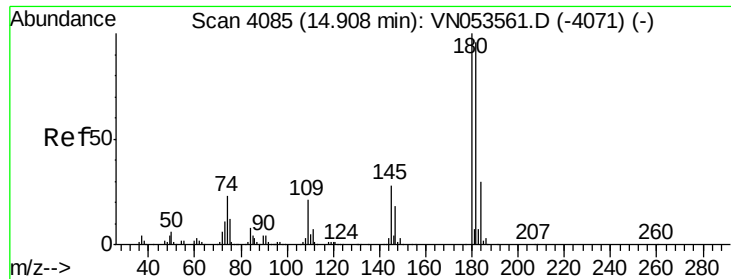
Delta R.T. 0.00 min

Lab File: VN053608.D

Acq: 4 Feb 2019 20:24

Tgt Ion:	75	Resp:	58078
Ion Ratio	Lower	Upper	
75	100		
155	99.2	48.9	146.7
157	124.7	63.7	191.3





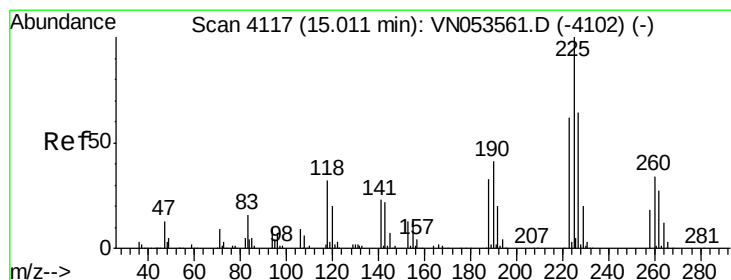
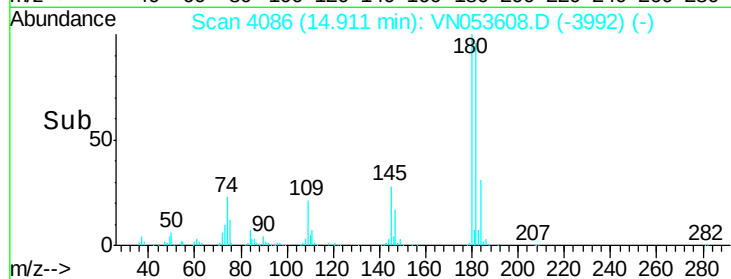
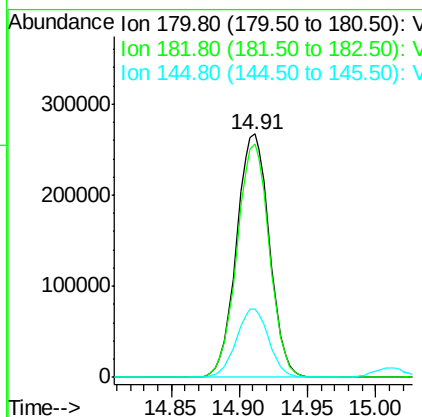
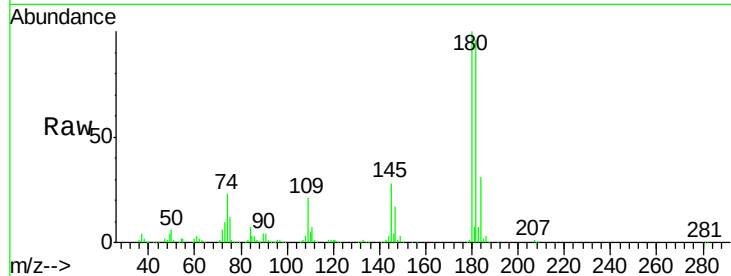
#93
 1,2,4-Trichlorobenzene
 Concen: 48.914 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	48.1	144.3	
145	27.8	13.9	41.6	

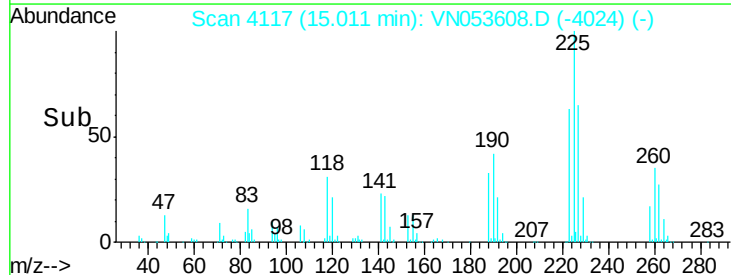
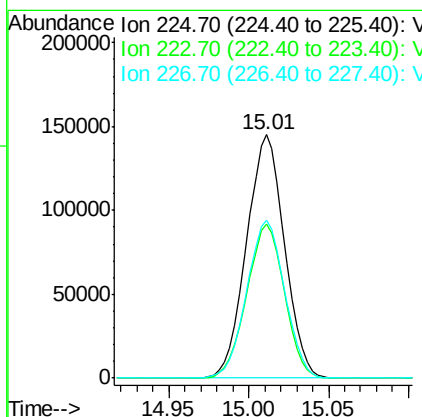
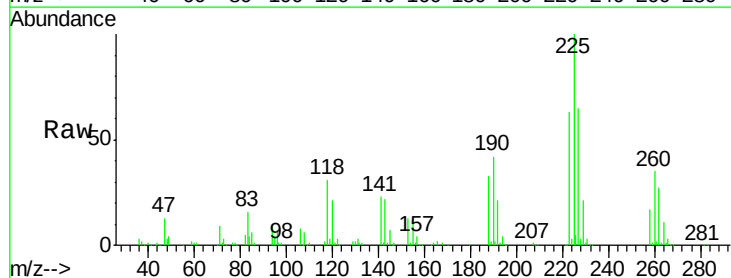
Manual Integrations
 APPROVED

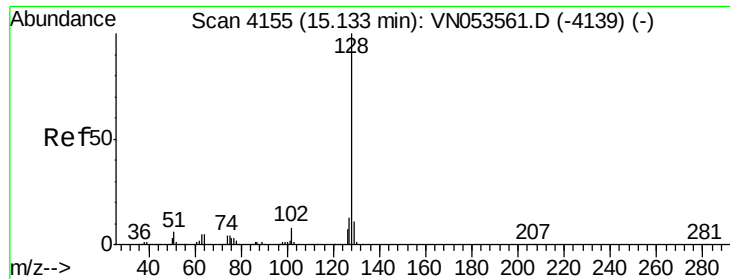
MMDadoda
 2/5/2019 9:54:33 AM



#94
 Hexachlorobutadiene
 Concen: 41.334 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053608.D
 Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.1	93.2	
227	64.9	32.0	96.2	





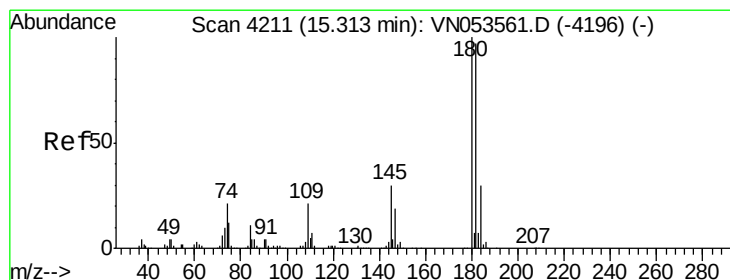
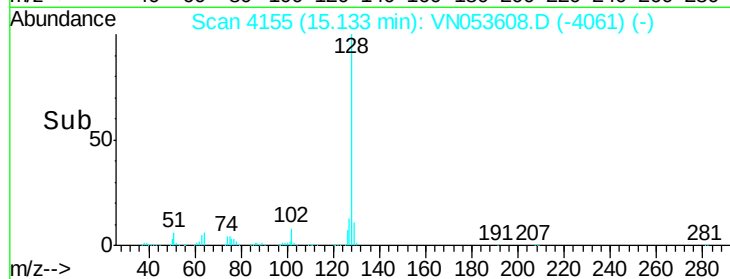
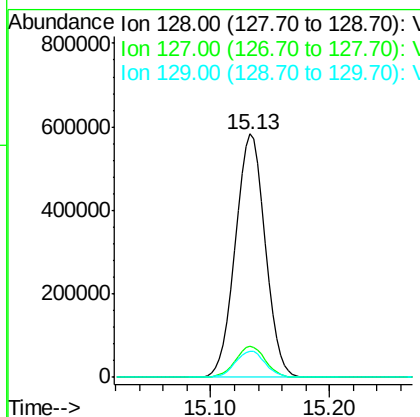
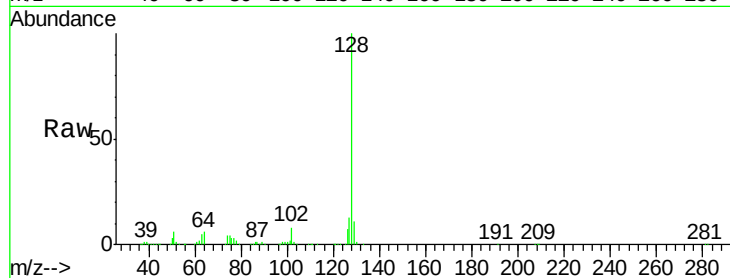
#95
Naphthalene
Concen: 47.363 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:54:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.025 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053608.D
Acq: 4 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.8
145	29.7	14.7	44.1

