

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053876.D
 Acq On : 20 Feb 2019 11:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:52:15 AM

Quant Time: Feb 21 03:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	710501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1041406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	488460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	336240	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
35) Dibromofluoromethane	7.59	113	322933	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1227747	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	421783	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	290224	47.016	ug/l	98
3) Chloromethane	2.06	50	362493	47.235	ug/l	99
4) Vinyl Chloride	2.19	62	384388	46.661	ug/l	99
5) Bromomethane	2.57	94	294313	48.786	ug/l	100
6) Chloroethane	2.71	64	254743	47.847	ug/l	100
7) Trichlorofluoromethane	3.02	101	554157	47.372	ug/l	97
8) Diethyl Ether	3.41	74	189262	46.024	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	319811	45.364	ug/l	99
10) Methyl Iodide	3.96	142	471909	45.139	ug/l	100
11) Tert butyl alcohol	4.78	59	106600	235.170	ug/l	99
12) 1,1-Dichloroethene	3.74	96	305844	46.386	ug/l	99
13) Acrolein	3.61	56	91931	283.749	ug/l	100
14) Allyl chloride	4.33	41	483045	48.407	ug/l	99
15) Acrylonitrile	4.98	53	551616	241.562	ug/l	100
16) Acetone	3.81	43	480510	240.618	ug/l	99
17) Carbon Disulfide	4.06	76	939681	46.015	ug/l	99
18) Methyl Acetate	4.32	43	216787	45.997	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	828067	49.500	ug/l	99
20) Methylene Chloride	4.55	84	338247	45.242	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	329387	47.598	ug/l	96
22) Diisopropyl ether	5.95	45	919074	49.408	ug/l	98
23) Vinyl Acetate	5.89	43	3443648	257.513	ug/l	99
24) 1,1-Dichloroethane	5.85	63	585398	46.481	ug/l	99
25) 2-Butanone	6.83	43	630774	244.784	ug/l	98
26) 2,2-Dichloropropane	6.82	77	467983	48.968	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	370329	47.771	ug/l	100
28) Bromochloromethane	7.19	49	264687	48.154	ug/l	97
29) Tetrahydrofuran	7.21	42	402876	241.748	ug/l	100
30) Chloroform	7.37	83	586137	46.317	ug/l	99
31) Cyclohexane	7.65	56	562815	48.791	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	500751	46.248	ug/l	99
36) 1,1-Dichloropropene	7.79	75	458395	48.021	ug/l	99
37) Ethyl Acetate	6.92	43	267679	46.602	ug/l	98
38) Carbon Tetrachloride	7.77	117	454219	47.664	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	589584	53.601	ug/l	99
40) Benzene	8.04	78	1374768	48.717	ug/l	100
41) Methacrylonitrile	7.17	41	146889	46.852	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	402422	47.835	ug/l	99
43) Isopropyl Acetate	8.16	43	484404	47.575	ug/l	99
44) Trichloroethene	8.83	130	390079	49.378	ug/l	99
45) 1,2-Dichloropropane	9.12	63	355763	49.380	ug/l	99
46) Dibromomethane	9.21	93	212463	48.977	ug/l	98
47) Bromodichloromethane	9.40	83	449701	49.140	ug/l	98
48) Methyl methacrylate	9.20	41	225442	51.641	ug/l	94
49) 1,4-Dioxane	9.20	88	68370	967.787	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1276383	244.143	ug/l	99
52) Toluene	10.16	92	837436	50.076	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	463408	52.148	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	546115	52.140	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	304391	49.791	ug/l	98
56) Ethyl methacrylate	10.43	69	378293	48.206	ug/l	99
57) 1,3-Dichloropropane	10.71	76	510741	49.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	853516	242.121	ug/l	99
59) 2-Hexanone	10.75	43	842158	263.629	ug/l	99
60) Dibromochloromethane	10.90	129	351857	49.309	ug/l	99
61) 1,2-Dibromoethane	11.00	107	300857	49.536	ug/l	99
64) Tetrachloroethene	10.63	164	384423	47.001	ug/l	99
65) Chlorobenzene	11.43	112	939353	49.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	343351	49.146	ug/l	99
67) Ethyl Benzene	11.51	91	1571516	50.720	ug/l	99
68) m/p-Xylenes	11.62	106	1243469	103.648	ug/l	100
69) o-Xylene	11.95	106	593770	51.410	ug/l	99
70) Styrene	11.96	104	967809	53.399	ug/l	99
71) Bromoform	12.13	173	247075	49.832	ug/l #	99
73) Isopropylbenzene	12.25	105	1552886	45.127	ug/l	99
74) N-amyl acetate	12.07	43	376093	47.593	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	361523	44.437	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	302347m	42.165	ug/l	
77) Bromobenzene	12.53	156	421496	45.661	ug/l	98
78) n-propylbenzene	12.59	91	1878260	48.811	ug/l	100
79) 2-Chlorotoluene	12.67	91	1104889	47.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1384318	48.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	101370	46.670	ug/l	98
82) 4-Chlorotoluene	12.77	91	1130405	48.903	ug/l	100
83) tert-Butylbenzene	12.99	119	1202120	46.870	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1474840	51.481	ug/l	100
85) sec-Butylbenzene	13.17	105	1769138	51.230	ug/l	100
86) p-Isopropyltoluene	13.29	119	1572341	52.463	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	811042	50.349	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	797468	49.203	ug/l	100
89) n-Butylbenzene	13.61	91	1350187	54.783	ug/l	99
90) Hexachloroethane	13.87	117	259146	45.261	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	765441	48.434	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54775	46.139	ug/l	98

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QLast Update : Thu Feb 21 03:36:07 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	465740	48.727	ug/l	99
94) Hexachlorobutadiene	15.01	225	301585	45.759	ug/l	99
95) Naphthalene	15.13	128	919516	47.680	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	434564	47.953	ug/l	98

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

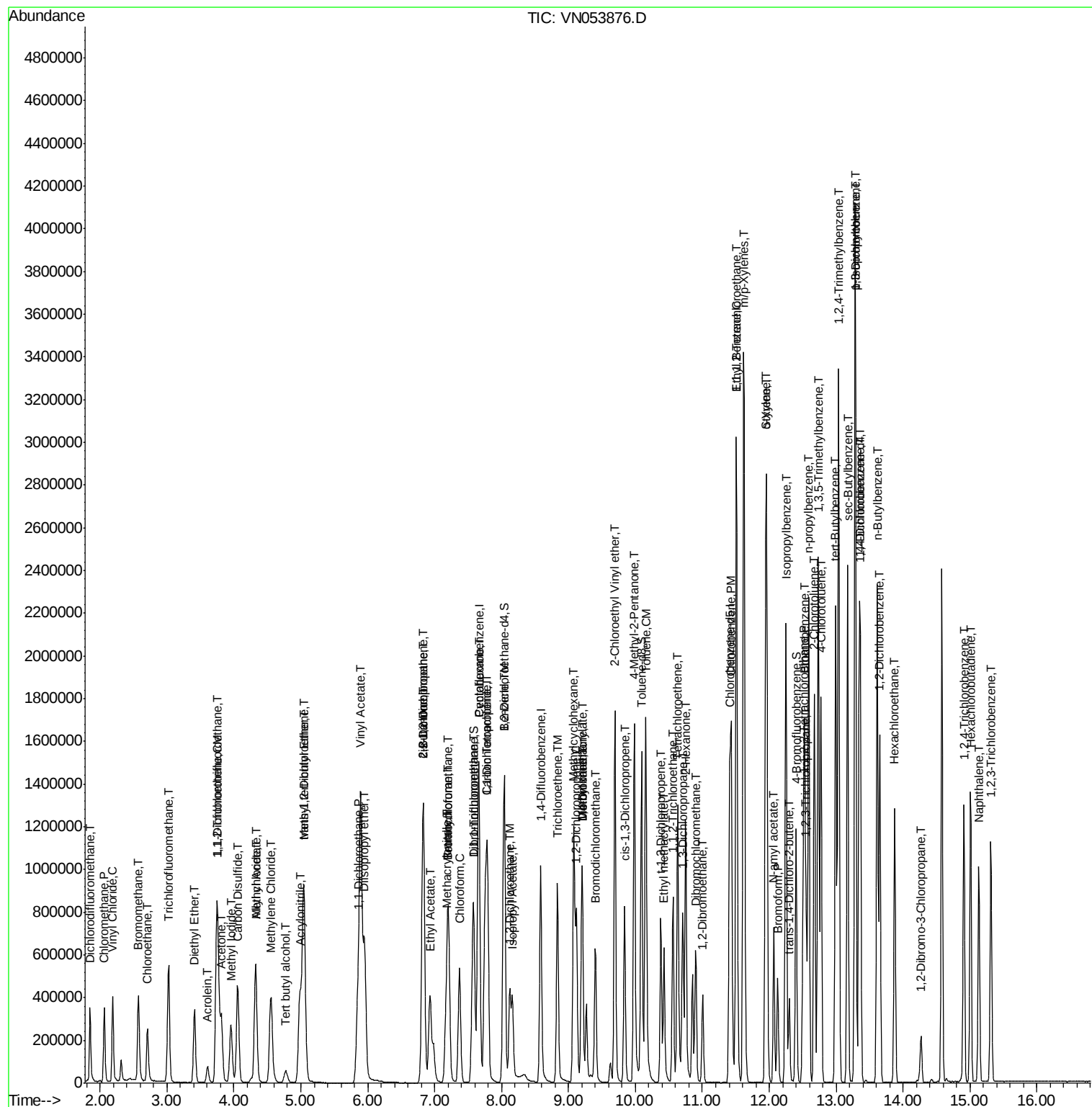
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
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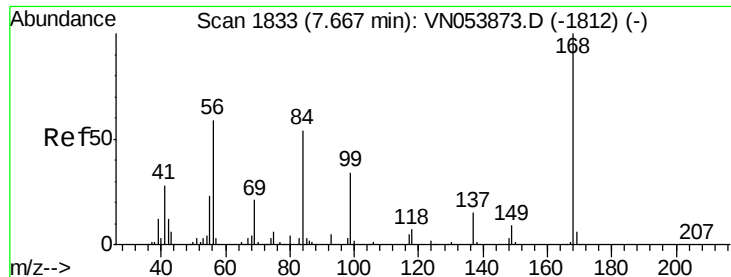
Instrument :
 MSVOA_N
 Client Sample Id :
 ICSVN022019

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

Tot Ion:168 Resp: 710501

Ion Ratio Lower Upper

168 100

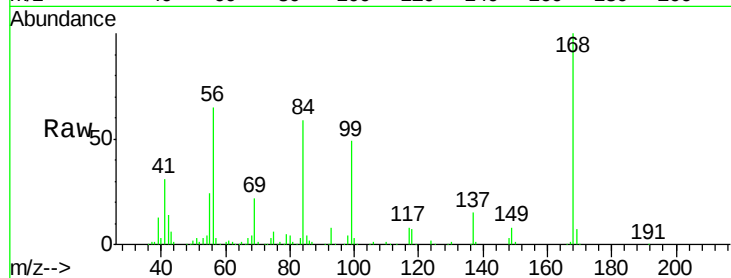
99 48.0 36.9 55.3

Manual Integrations

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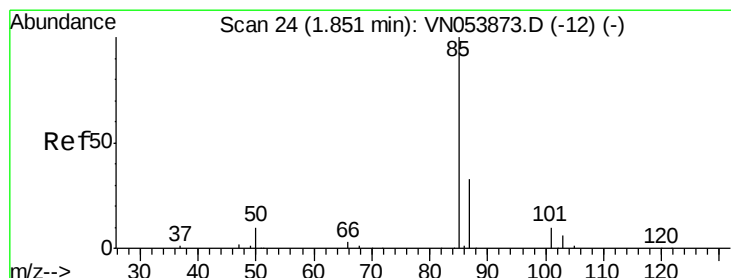
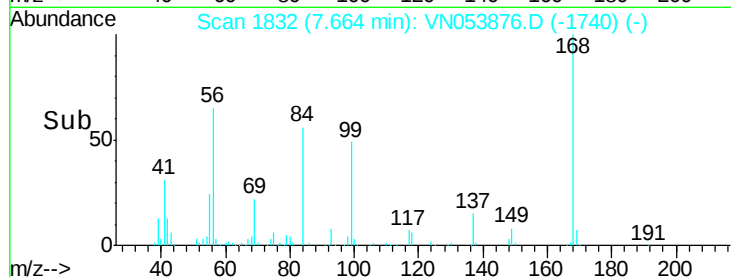
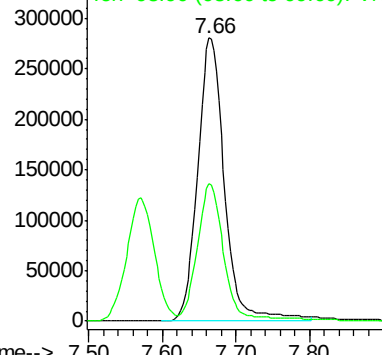
MMDadoda

2/21/2019 10:52:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.016 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053876.D

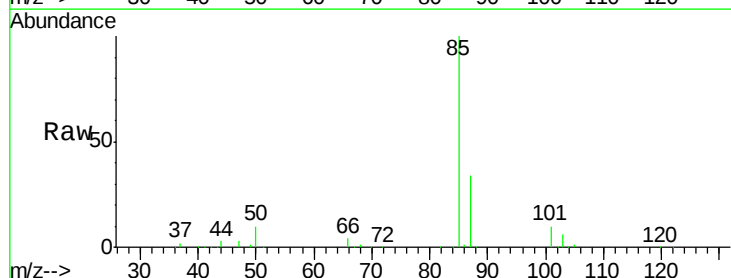
Acq: 20 Feb 2019 11:23

Tgt Ion: 85 Resp: 290224

Ion Ratio Lower Upper

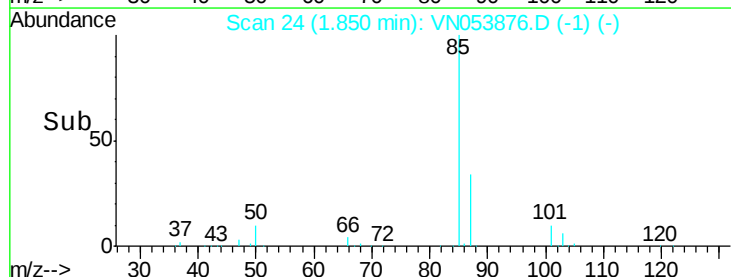
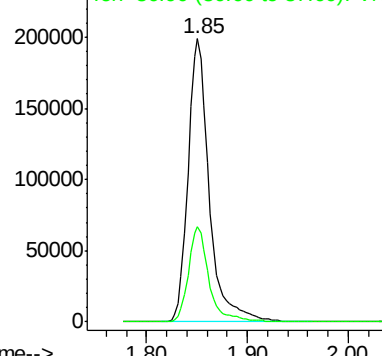
85 100

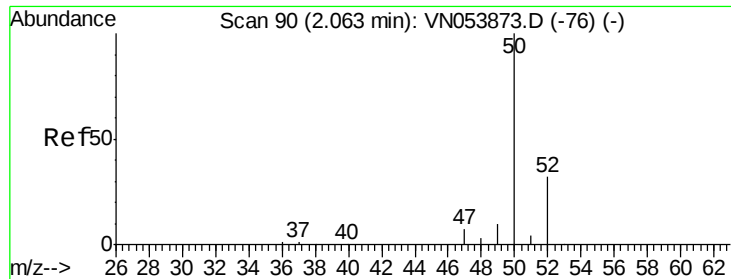
87 33.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.235 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

Tot Ion: 50 Resp: 362493

Ion Ratio Lower Upper

50 100

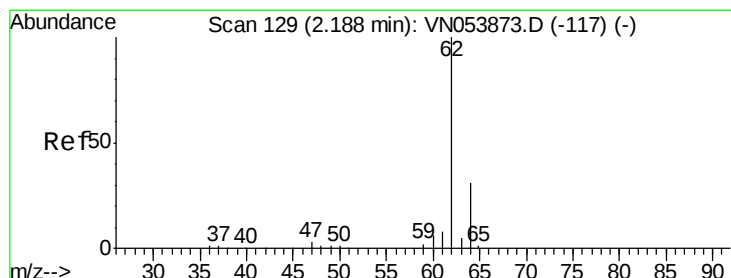
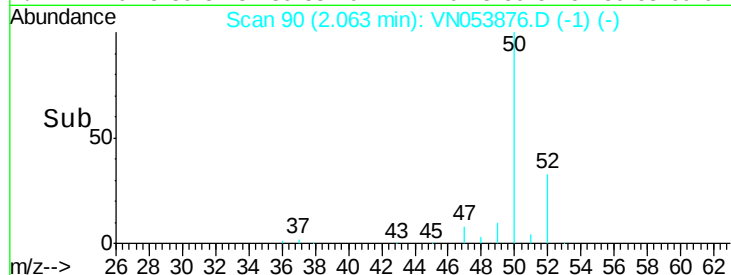
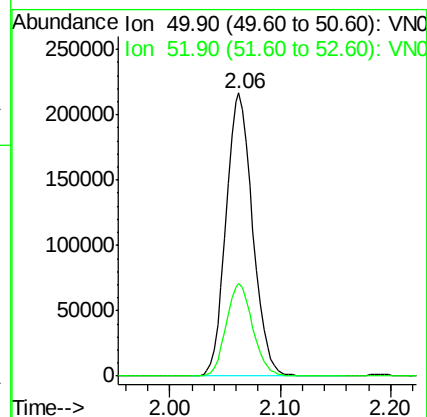
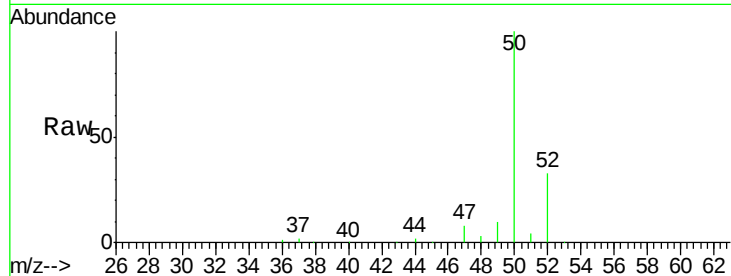
52 33.0 26.0 39.0

Manual Integrations

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2/21/2019 10:52:15 AM



#4

Vinyl Chloride

Concen: 46.661 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053876.D

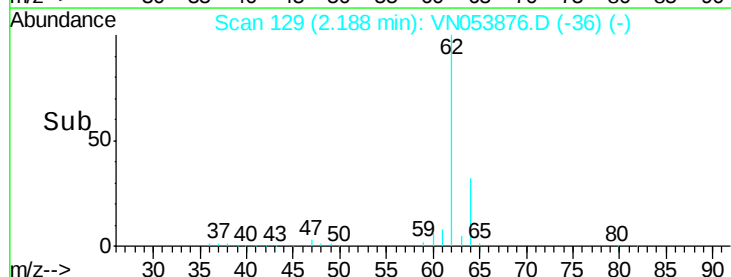
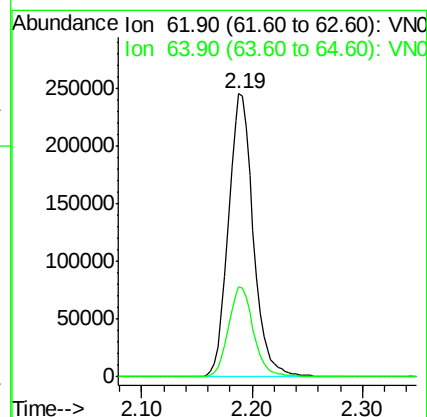
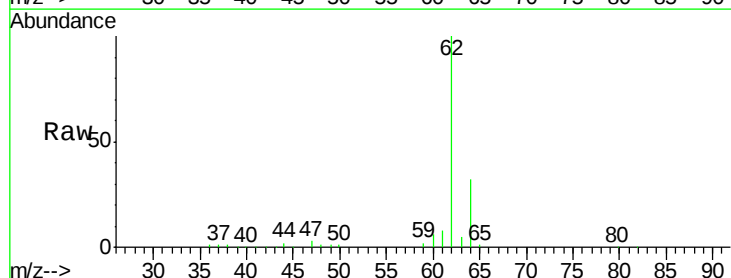
Acq: 20 Feb 2019 11:23

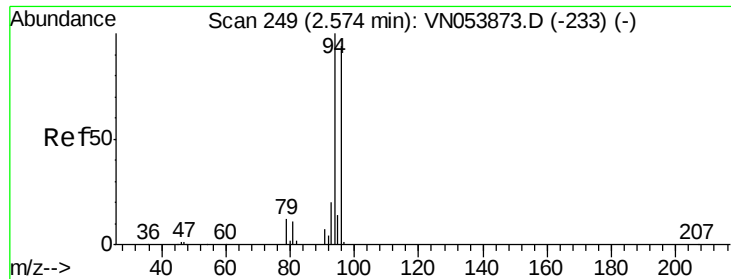
Tgt Ion: 62 Resp: 384388

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 48.786 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 294313

Ion Ratio Lower Upper

94 100

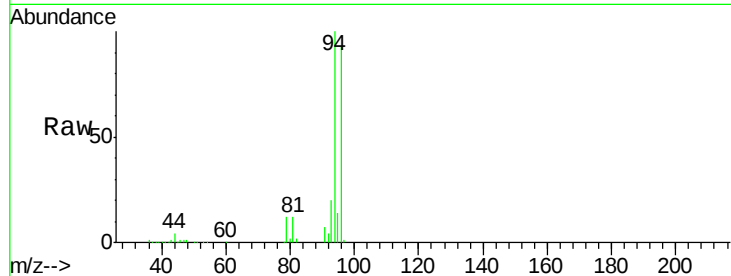
96 93.3 74.9 112.3

Manual Integrations

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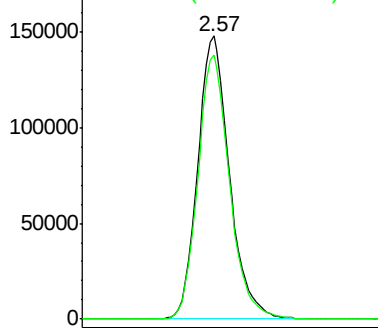
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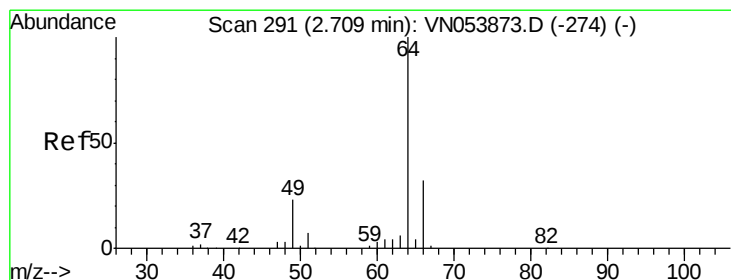
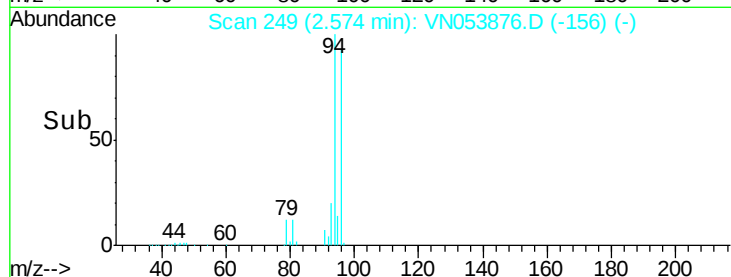


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 47.847 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053876.D

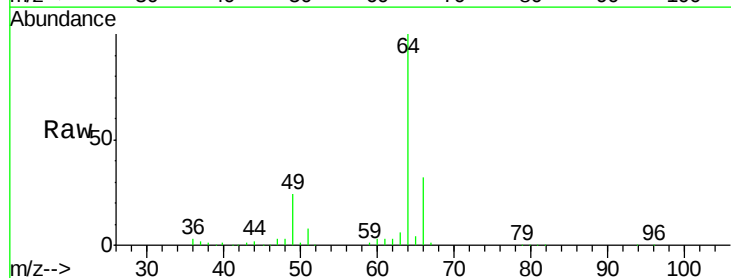
Acq: 20 Feb 2019 11:23

Tgt Ion: 64 Resp: 254743

Ion Ratio Lower Upper

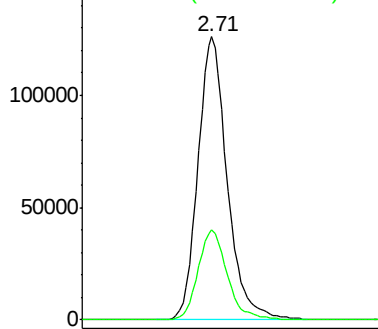
64 100

66 31.7 25.5 38.3

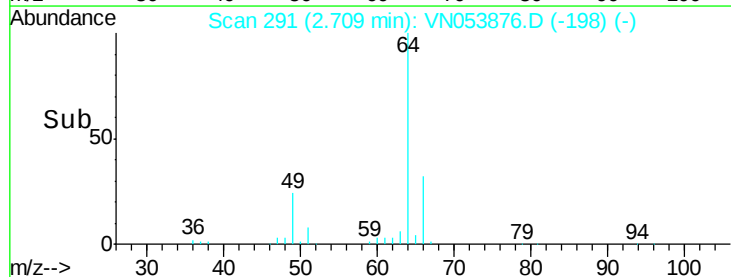


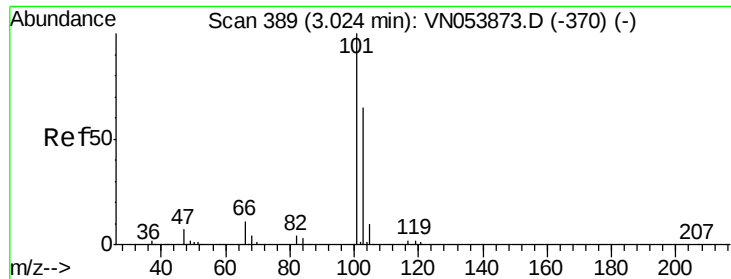
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

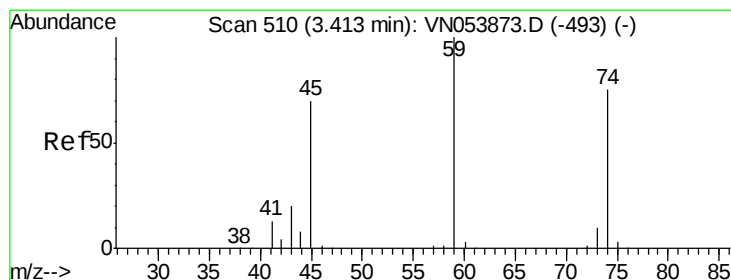
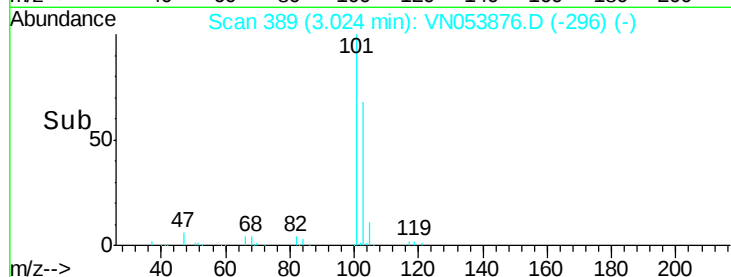
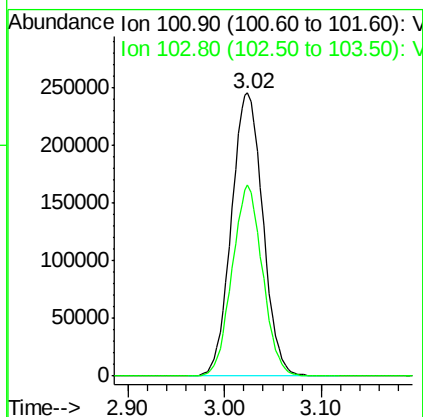
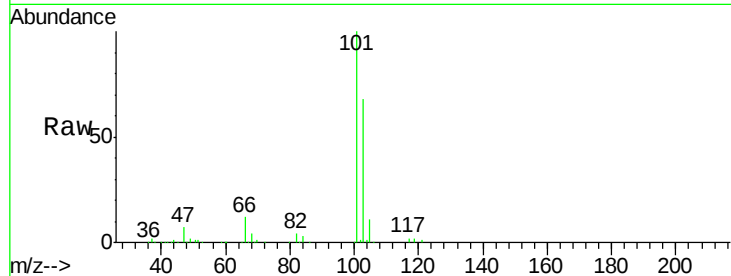
Trichlorofluoromethane
Concen: 47.372 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053876.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.9	77.9

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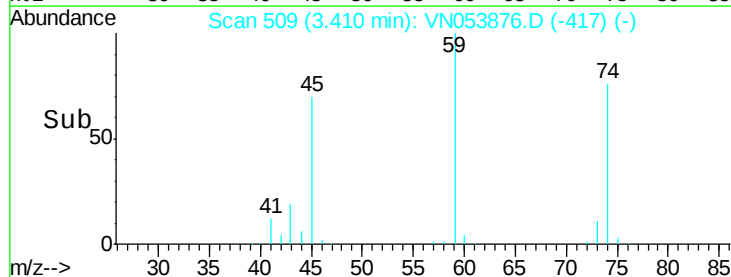
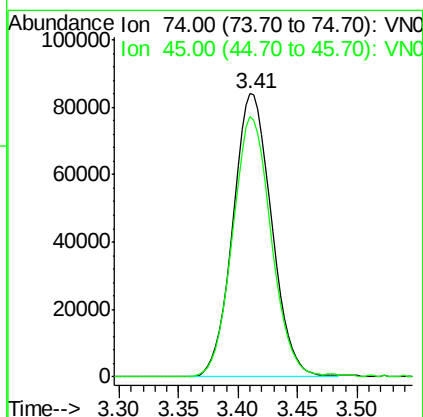
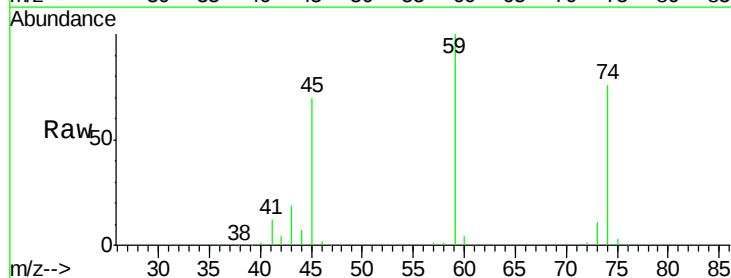
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2/21/2019 10:52:15 AM

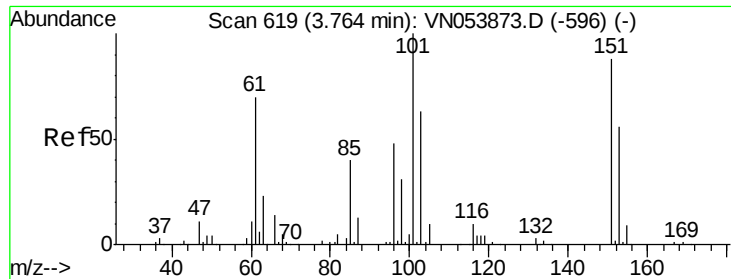


#8

Diethyl Ether
Concen: 46.024 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	46.9	140.6





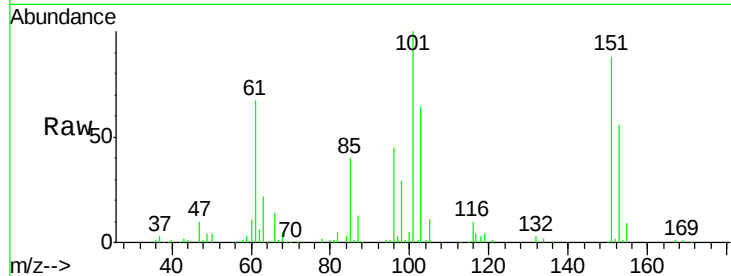
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.364 ug/l
RT: 3.76 min Scan# 619
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

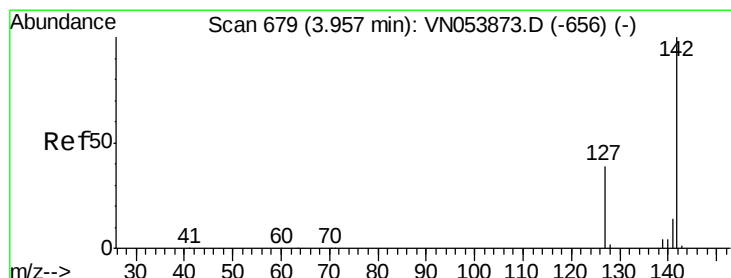
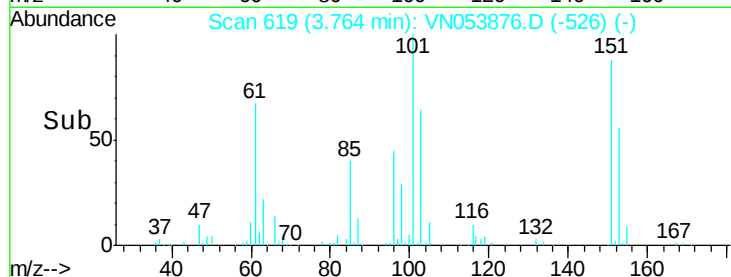
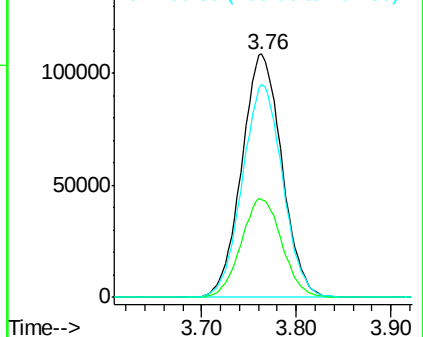
Tot Ion	Ratio	Resp	Lower	Upper
101	100	319811		
85	41.3	32.5	48.7	
151	88.3	70.2	105.2	

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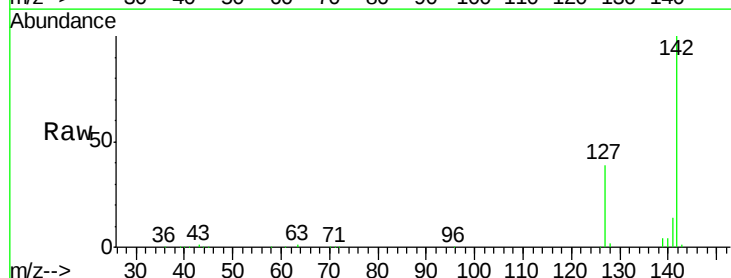


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

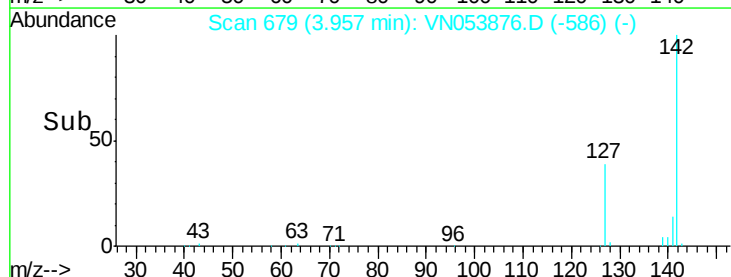
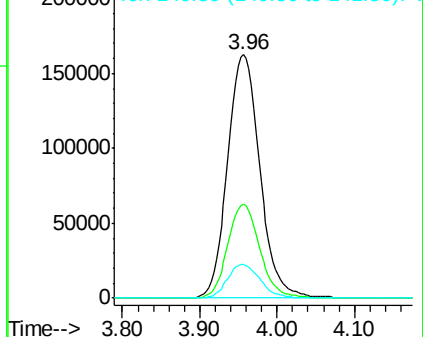


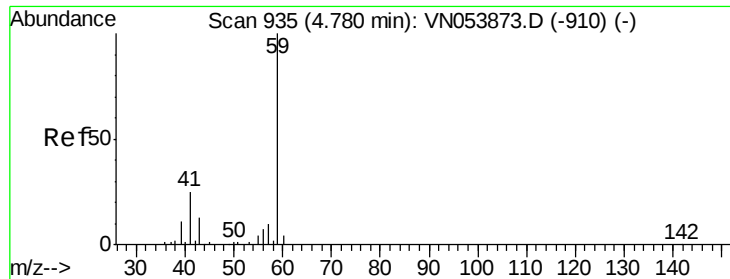
#10
Methyl Iodide
Concen: 45.139 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	471909		
127	38.4	31.0	46.4	
141	14.1	11.3	16.9	



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





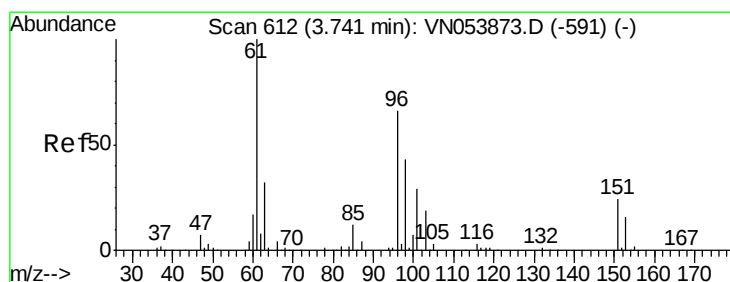
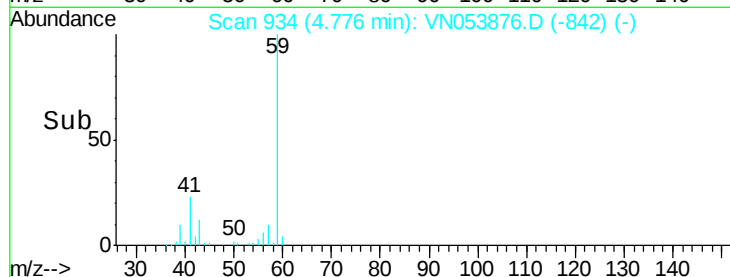
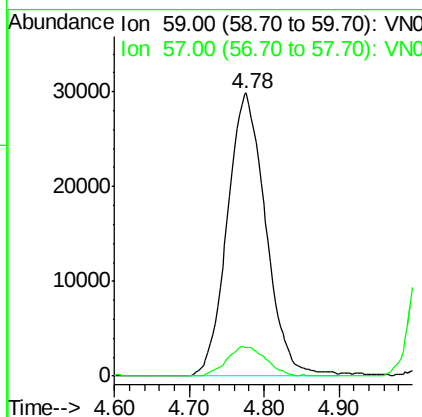
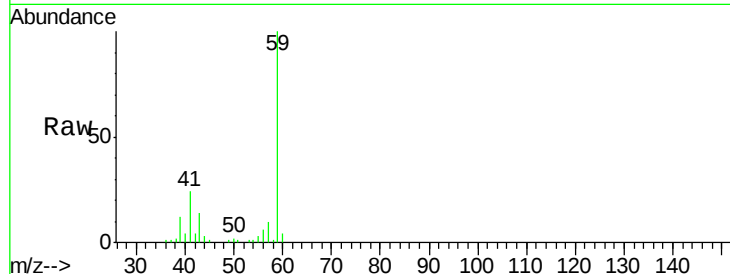
#11
Tert butyl alcohol
Concen: 235.170 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion: 59 Resp: 106600
Ion Ratio Lower Upper
59 100
57 10.5 8.1 12.1

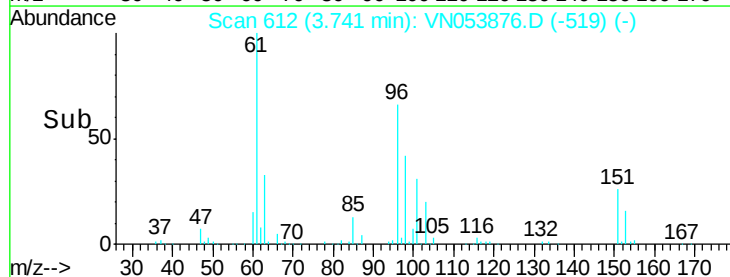
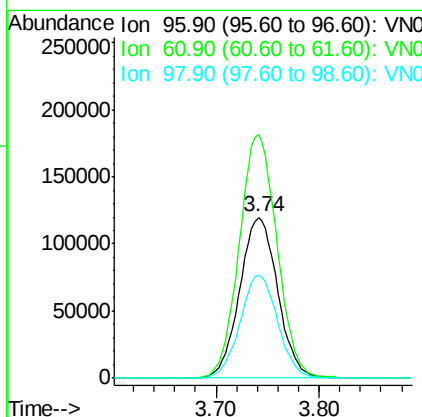
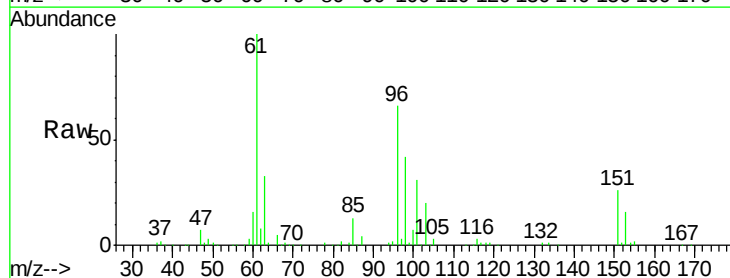
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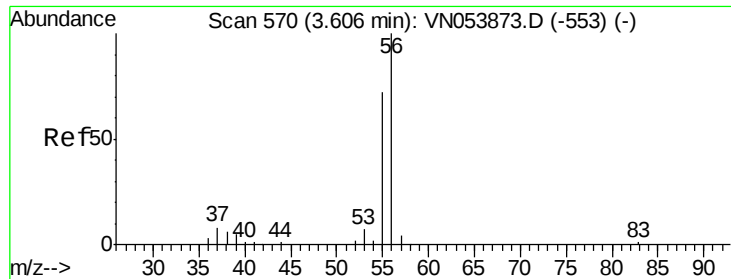
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#12
1,1-Dichloroethene
Concen: 46.386 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 96 Resp: 305844
Ion Ratio Lower Upper
96 100
61 151.7 121.0 181.4
98 64.4 52.2 78.2





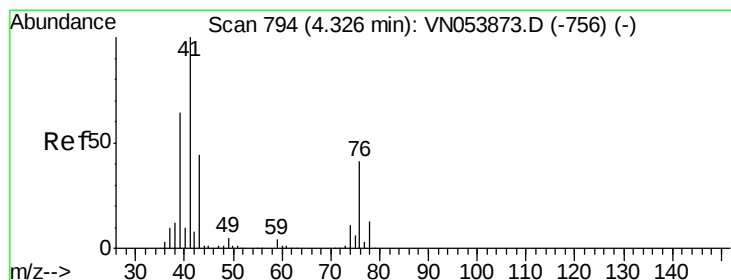
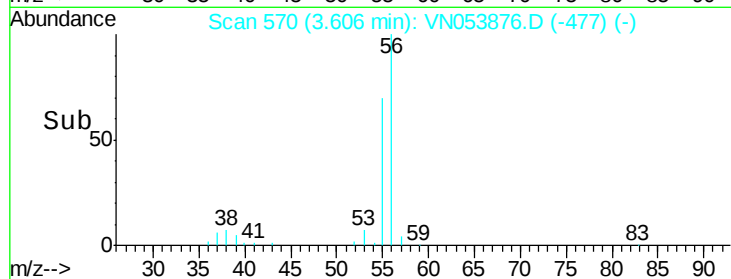
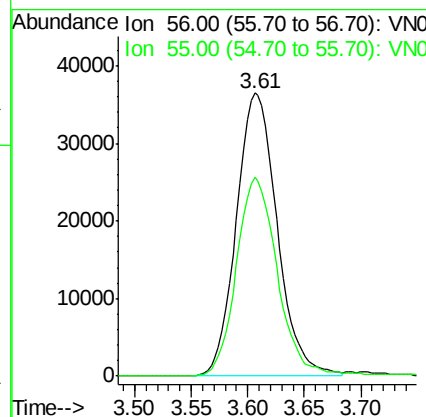
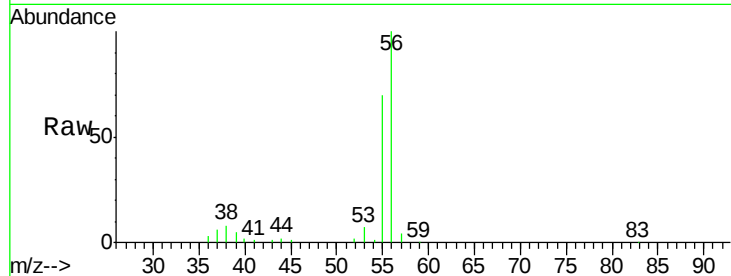
#13
Acrolein
Concen: 283.749 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.0	56.3	84.5	

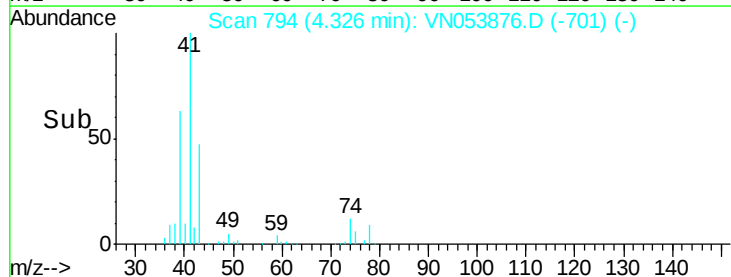
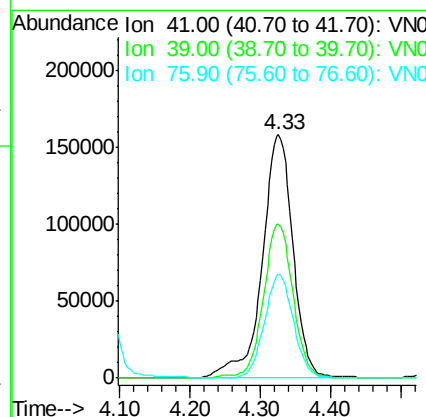
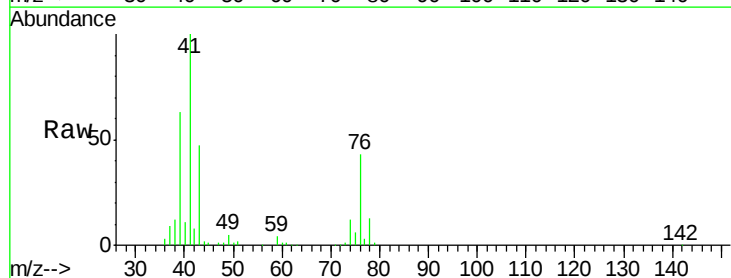
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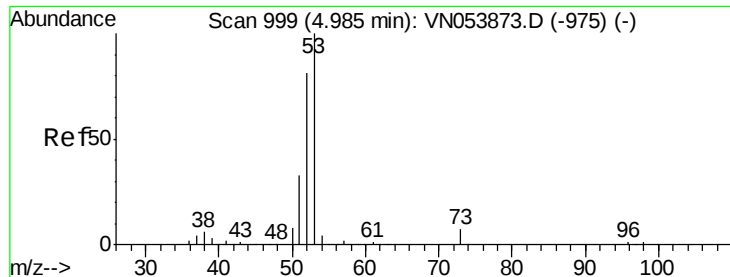
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#14
Allyl chloride
Concen: 48.407 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.8	48.8	73.2	
76	39.1	30.9	46.3	





#15

Acrylonitrile

Concen: 241.562 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

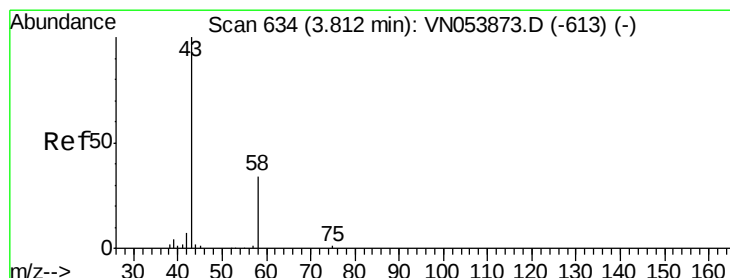
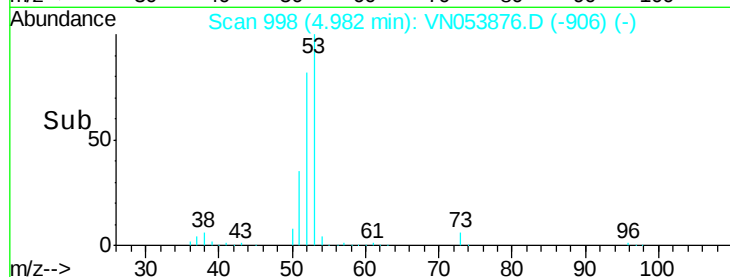
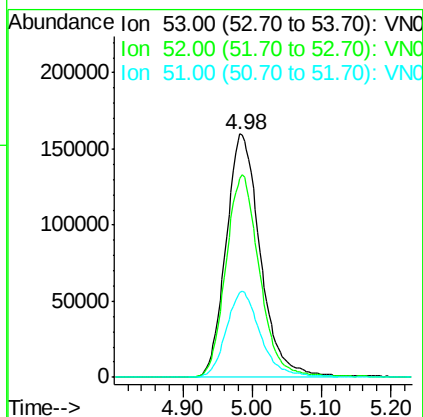
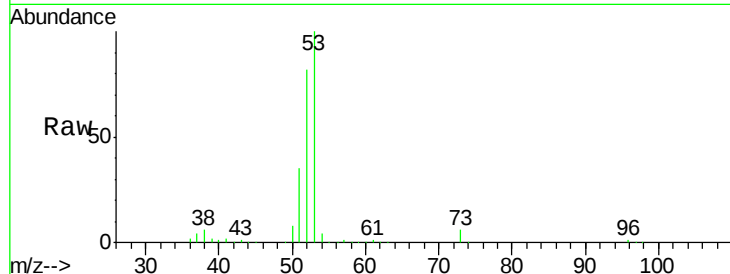
ClientSampleId :

ICVVN022019

Tot Ion:	53	Resp:	551616
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	35.4	28.2	42.4

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#16

Acetone

Concen: 240.618 ug/l

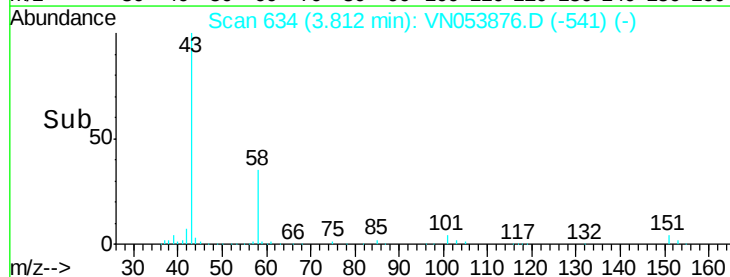
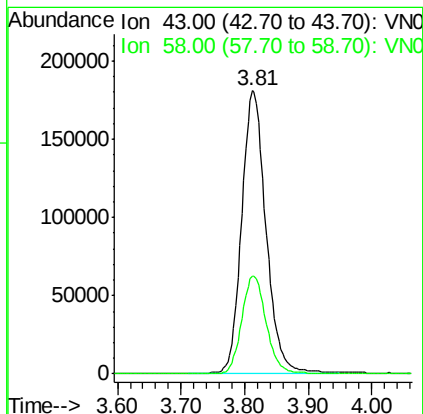
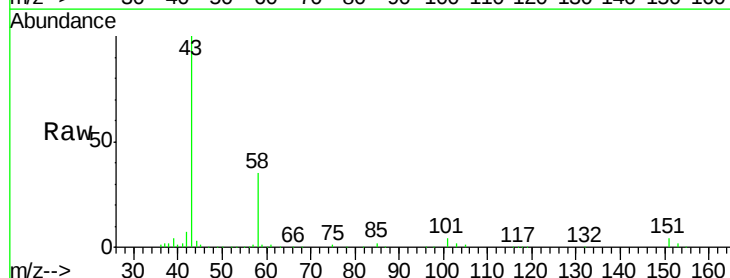
RT: 3.81 min Scan# 634

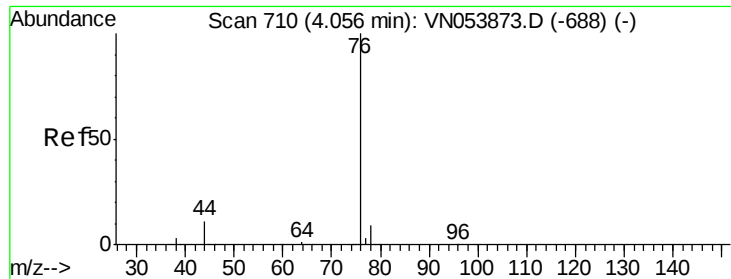
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	43	Resp:	480510
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4





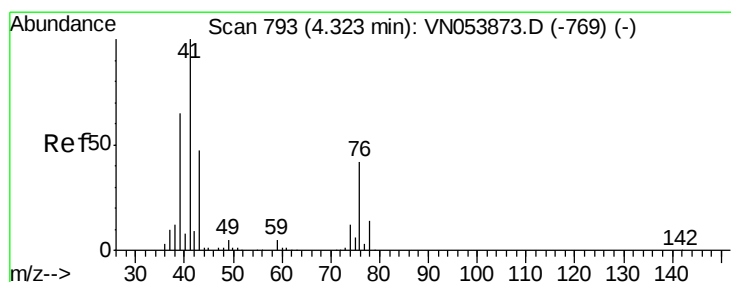
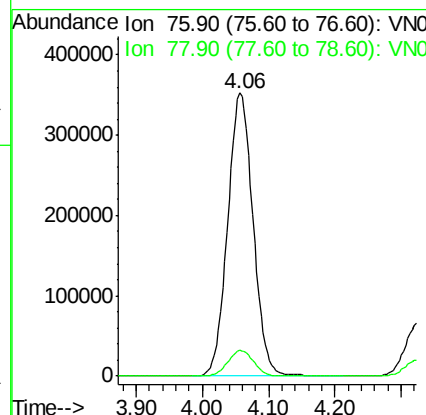
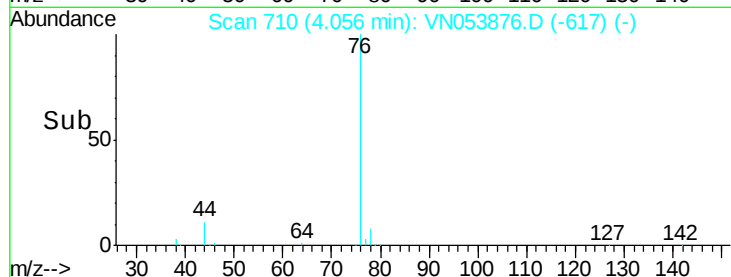
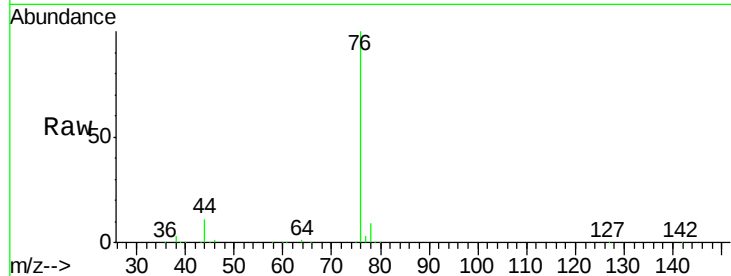
#17
Carbon Disulfide
Concen: 46.015 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

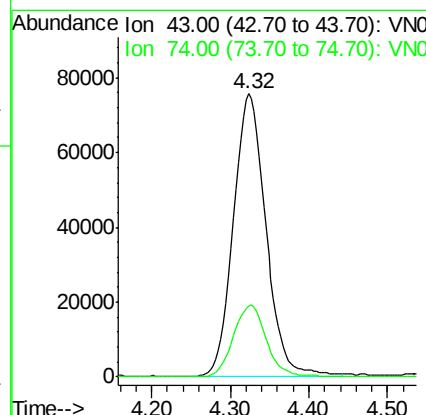
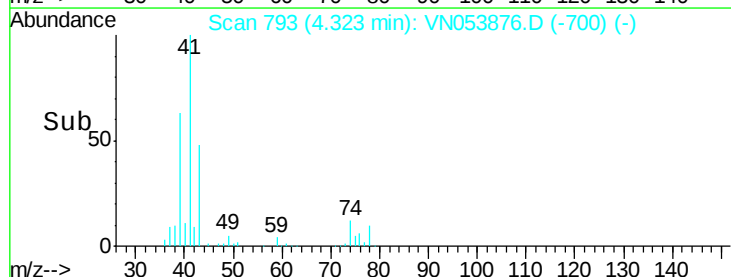
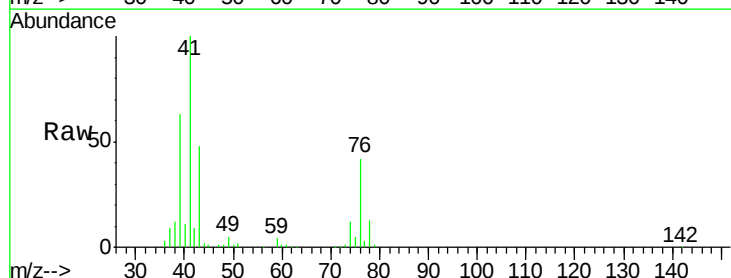
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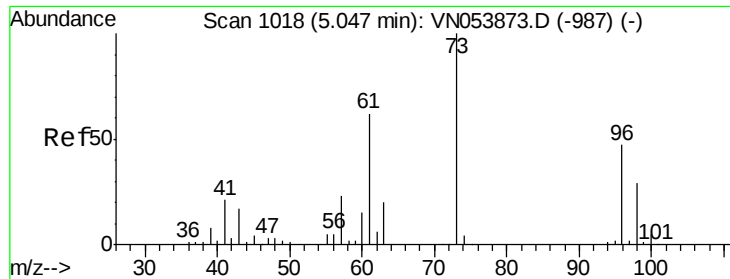
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#18
Methyl Acetate
Concen: 45.997 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.5	30.7





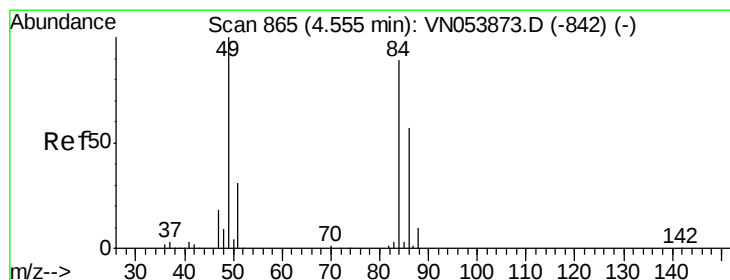
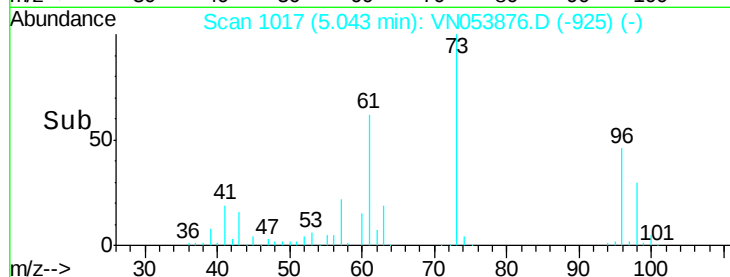
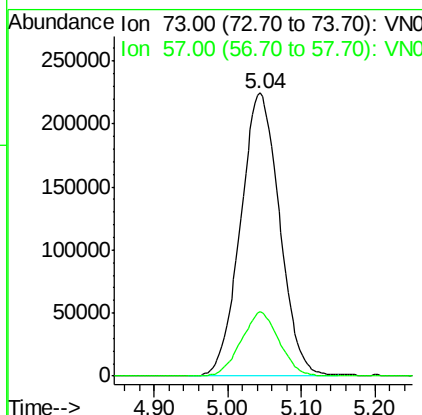
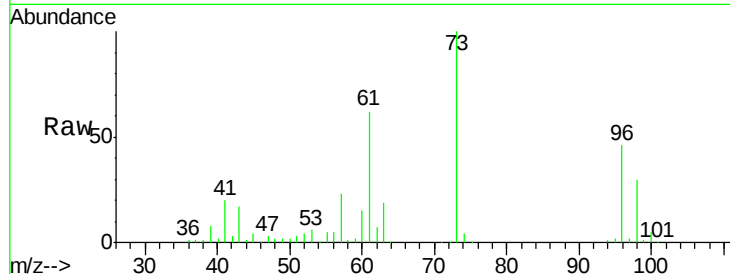
#19
Methvl tert-butvl Ether
Concen: 49.500 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

Tot Ion: 73 Resp: 828067
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0

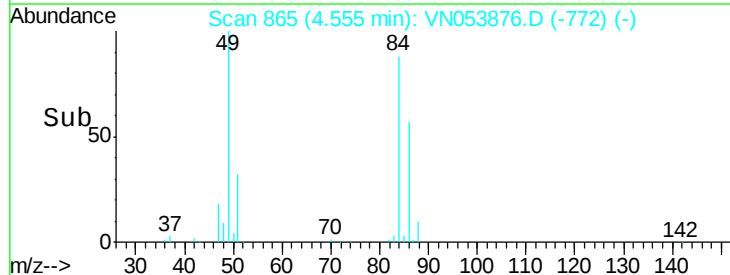
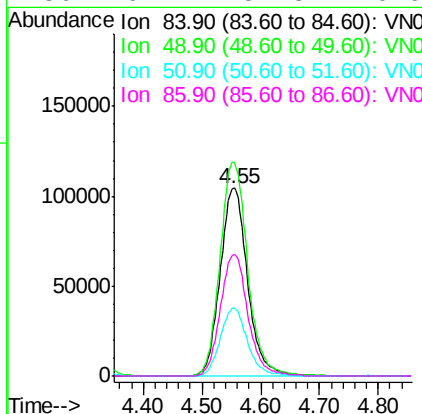
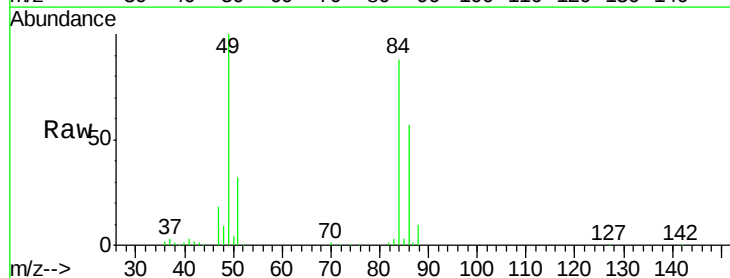
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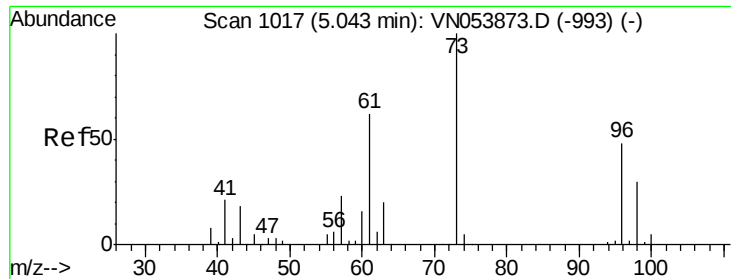
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2/21/2019 10:52:15 AM



#20
Methylene Chloride
Concen: 45.242 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 84 Resp: 338247
Ion Ratio Lower Upper
84 100
49 113.7 89.7 134.5
51 36.2 27.8 41.8
86 64.7 51.3 76.9





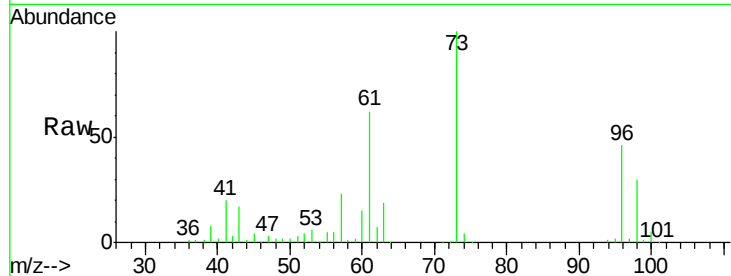
#21
trans-1,2-Dichloroethene
Concen: 47.598 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

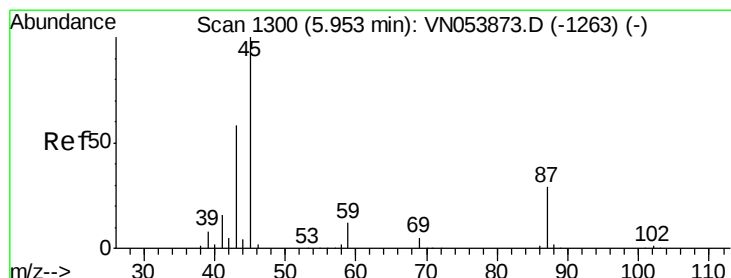
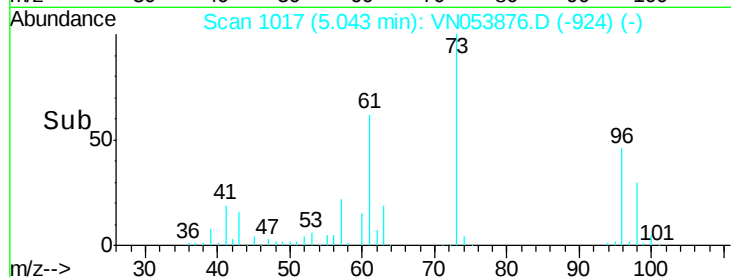
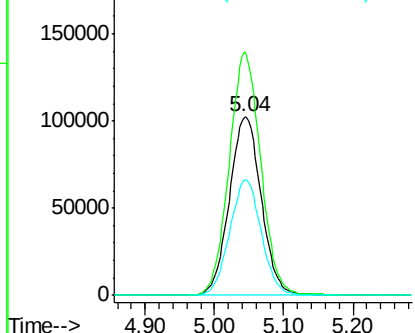
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	104.5	156.7
98	64.7	50.6	76.0

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2/21/2019 10:52:15 AM



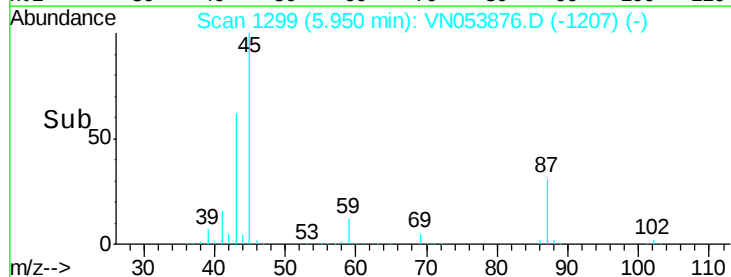
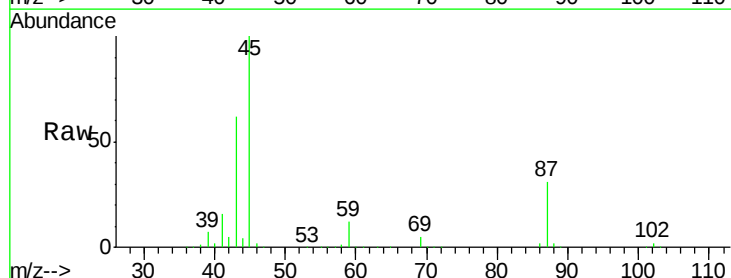
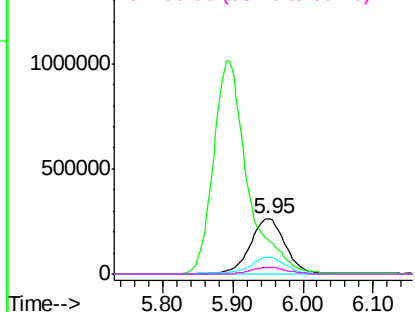
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

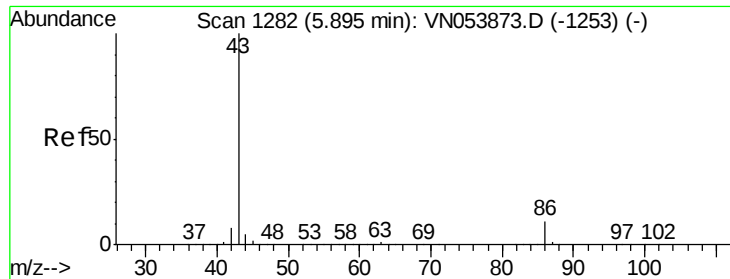


#22
Diisopropyl ether
Concen: 49.408 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.2	69.4
87	30.2	23.4	35.0
59	12.1	9.4	14.0

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





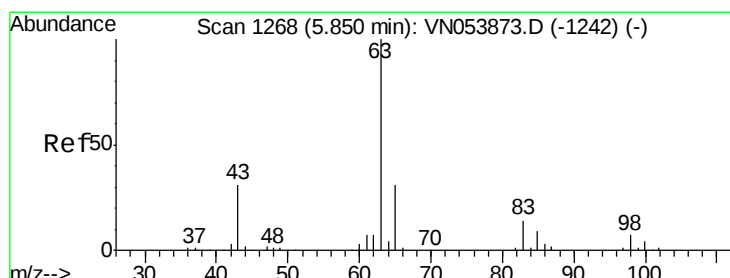
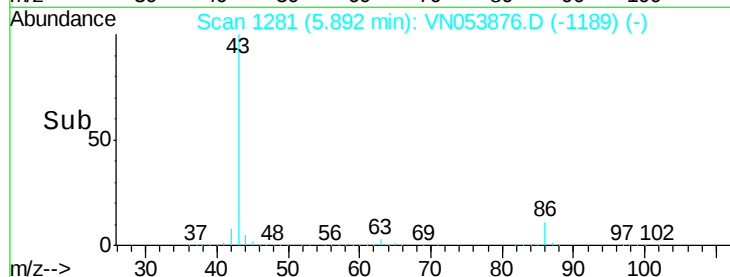
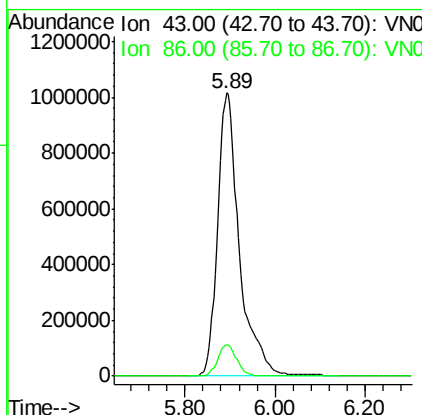
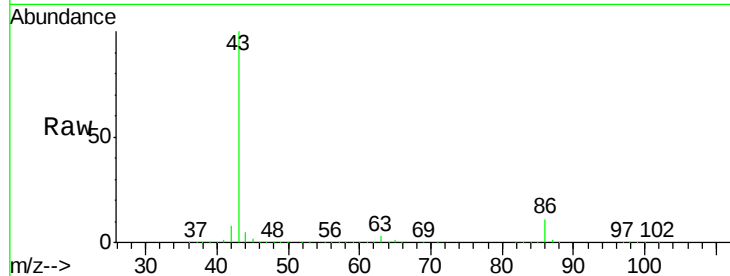
#23
 Vinyl Acetate
 Concen: 257.513 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Tot Ion: 43 Resp: 3443648
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.1 13.7

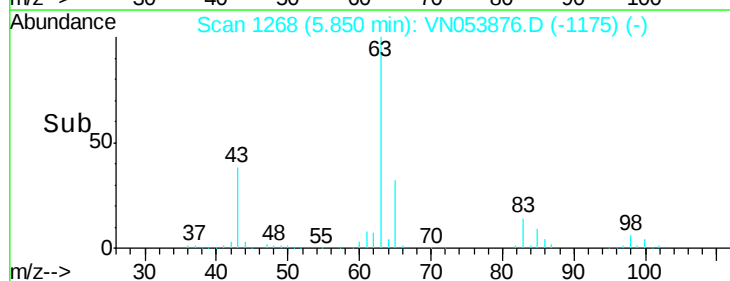
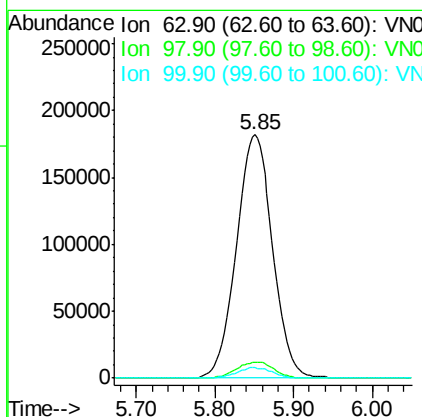
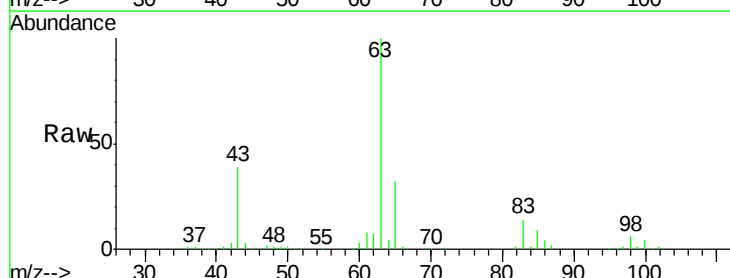
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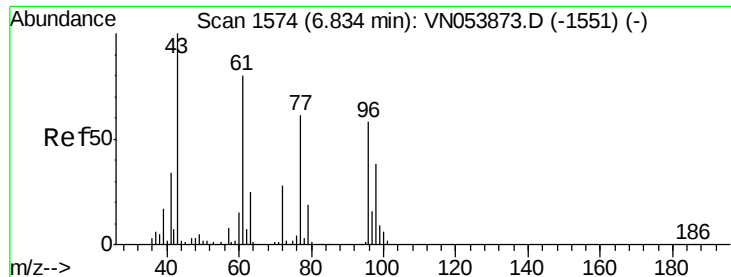
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#24
 1,1-Dichloroethane
 Concen: 46.481 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 63 Resp: 585398
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.2 2.2 6.6





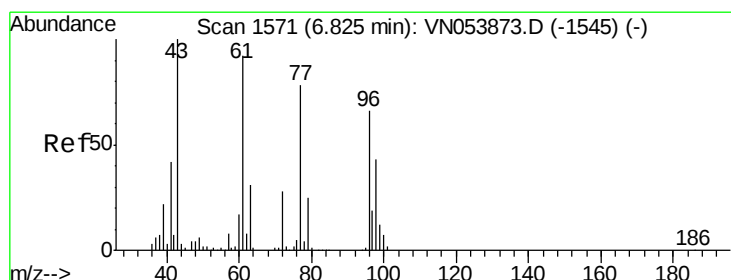
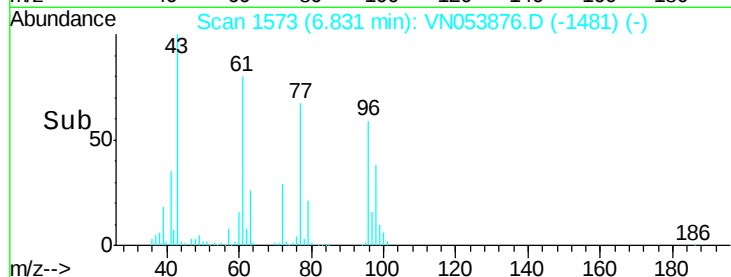
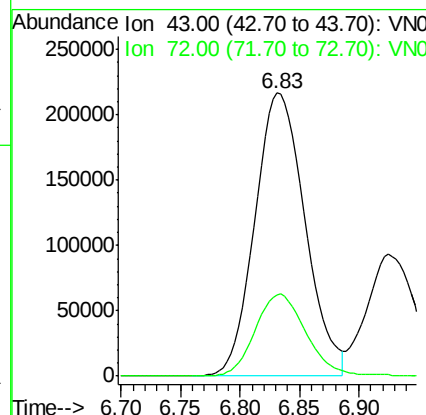
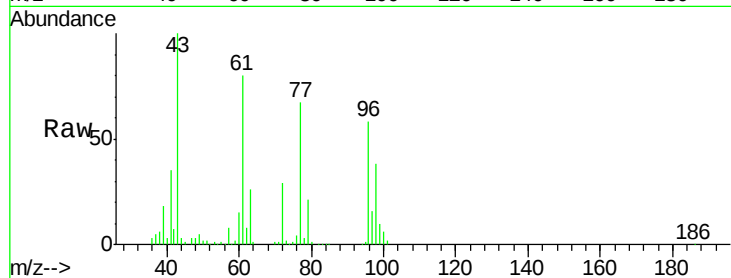
#25
2-Butanone
Concen: 244.784 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion: 43 Resp: 630774
Ion Ratio Lower Upper
43 100
72 28.9 22.1 33.1

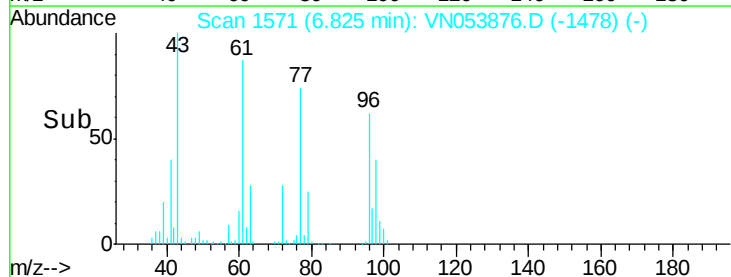
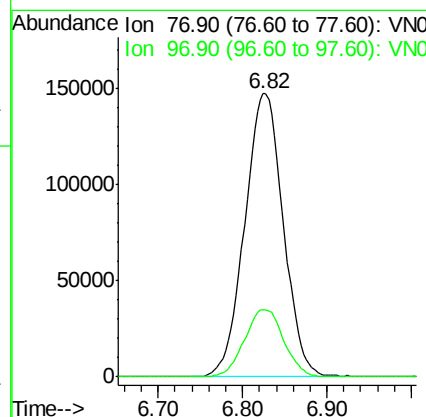
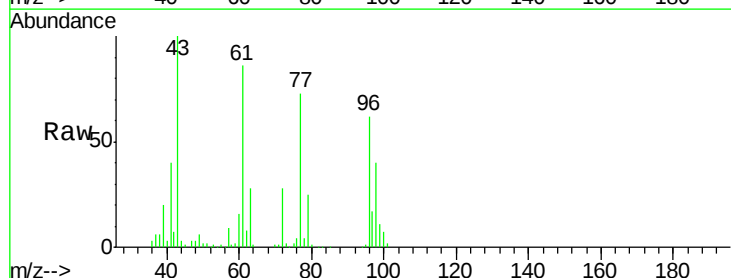
Manual Integrations
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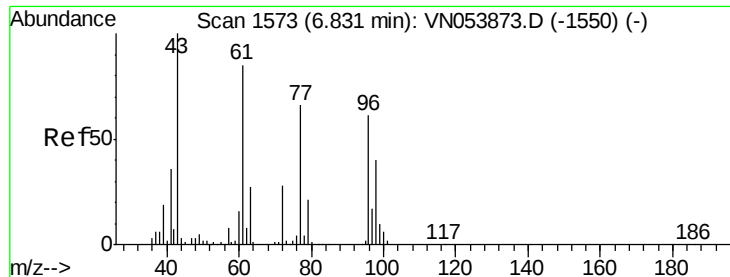
MMDadoda
2/21/2019 10:52:15 AM



#26
2,2-Dichloropropane
Concen: 48.968 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 77 Resp: 467983
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.771 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

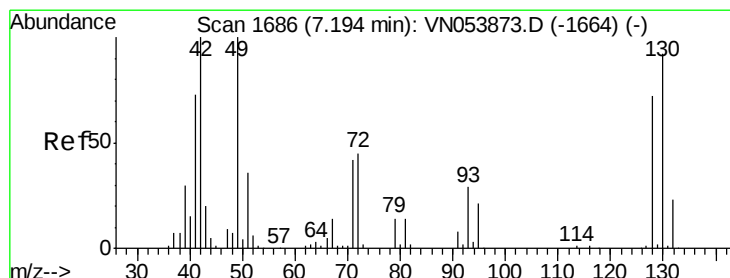
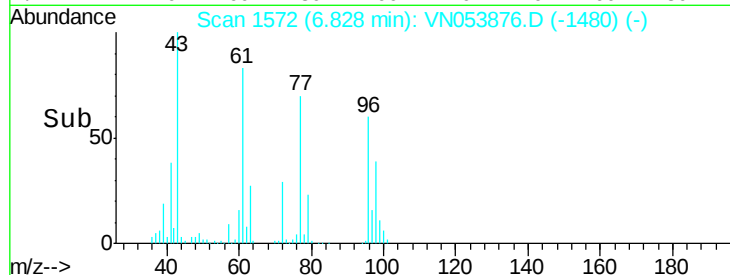
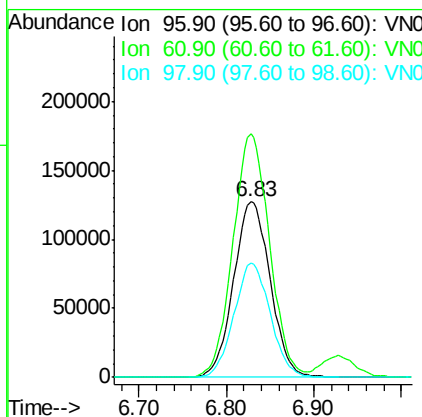
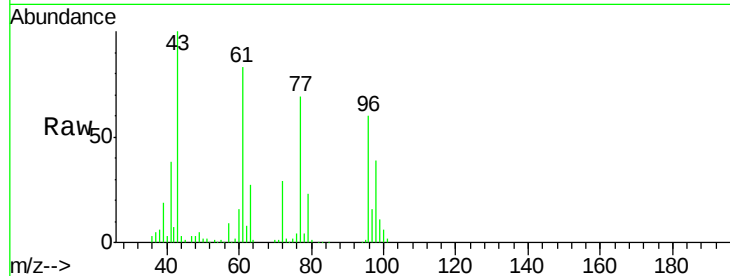
ClientSampleId :

ICVVN022019

Tot Ion:	96	Resp:	370329
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	275.6
98	64.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 48.154 ug/l

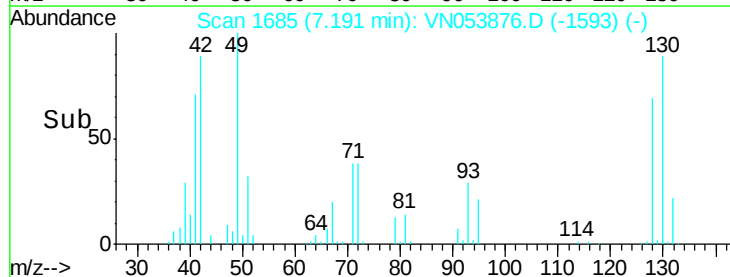
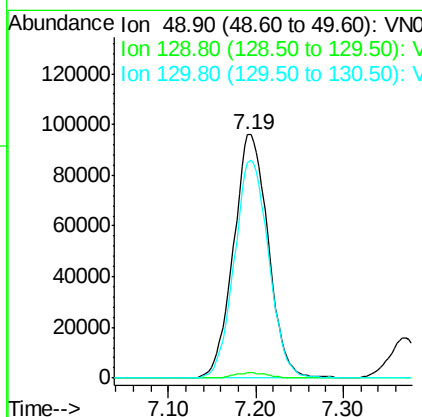
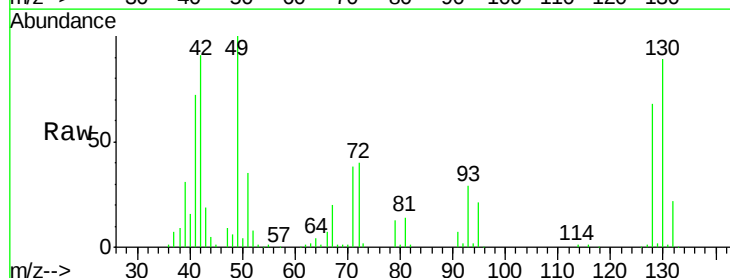
RT: 7.19 min Scan# 1685

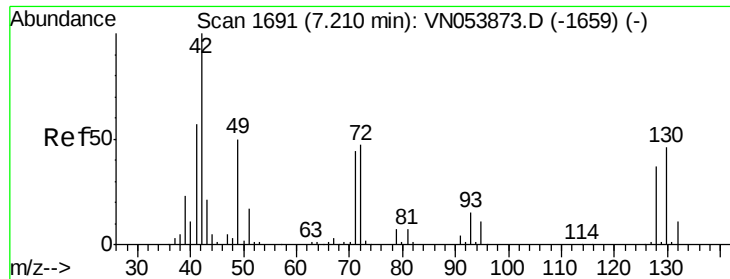
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	49	Resp:	264687
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	88.6	72.9	109.3





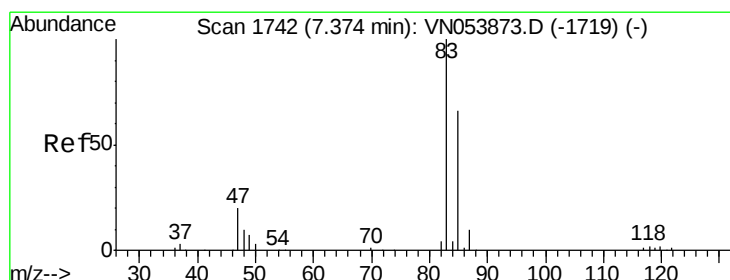
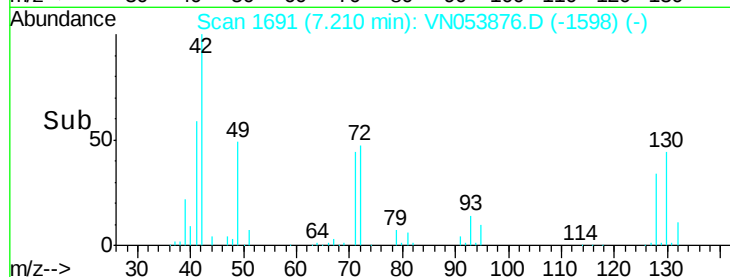
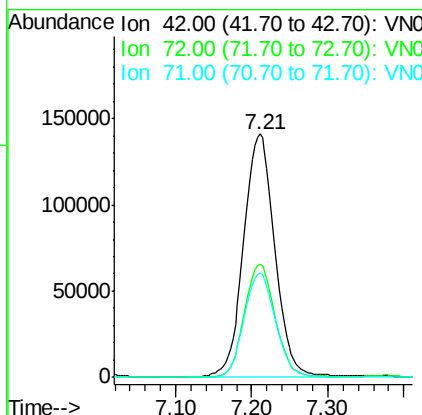
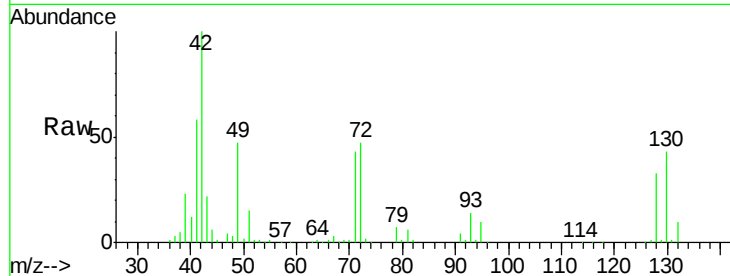
#29
Tetrahydrofuran
Concen: 241.748 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.9	55.3
71	43.3	34.6	52.0

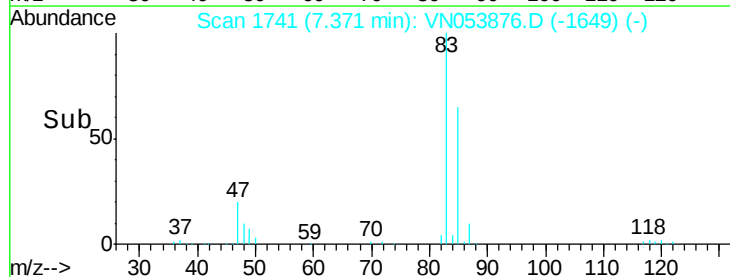
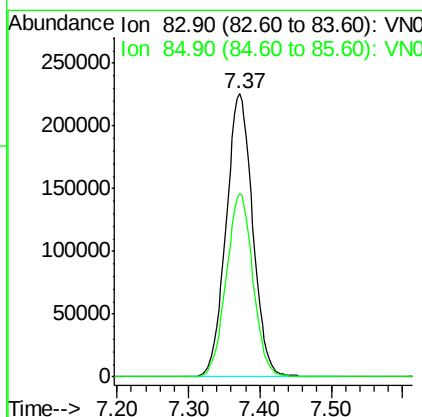
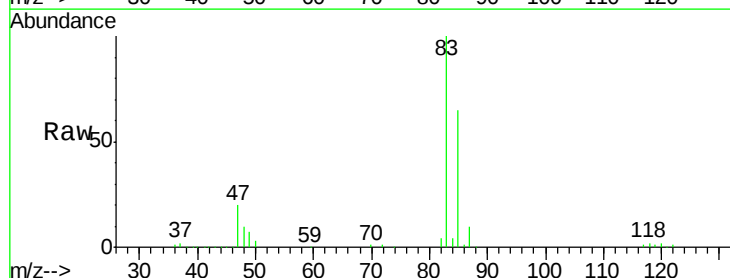
Manual Integrations
APPROVED

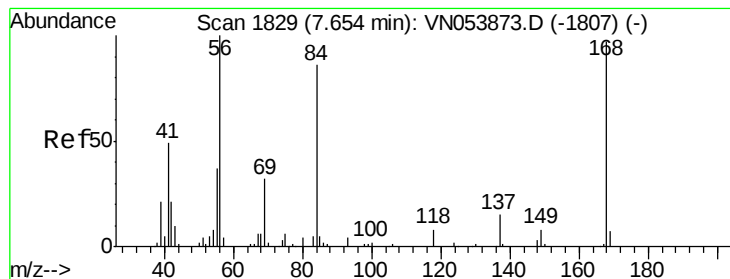
MMDadoda
2/21/2019 10:52:15 AM



#30
Chloroform
Concen: 46.317 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	78.8





#31

Cyclohexane

Concen: 48.791 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

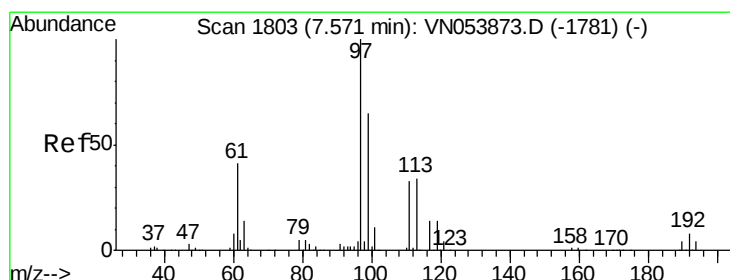
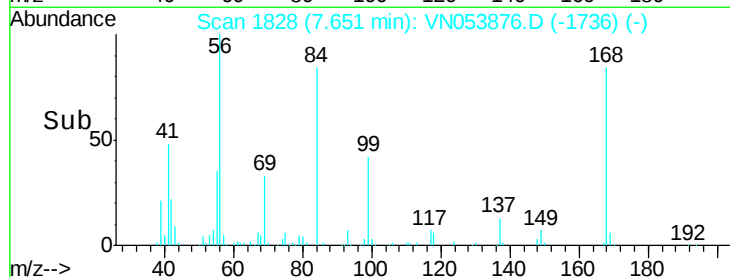
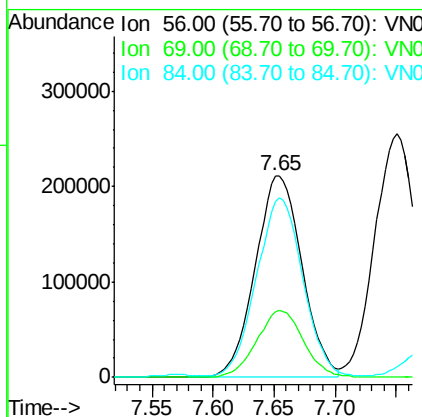
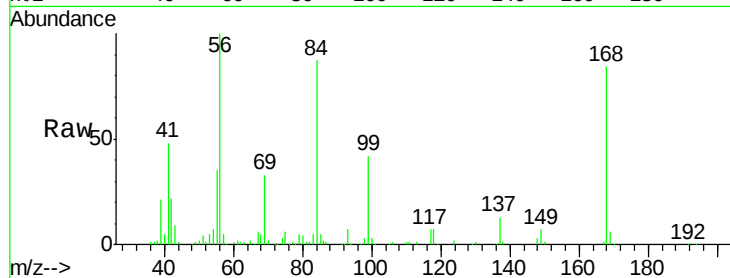
ClientSampleId :

ICVVN022019

Tot Ion:	56	Resp:	562815
Ion Ratio	Lower	Upper	
56	100		
69	32.6	26.0	39.0
84	85.9	69.1	103.7

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#32

1,1,1-Trichloroethane

Concen: 46.248 ug/l

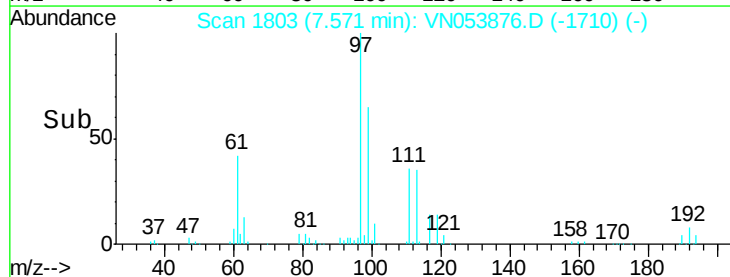
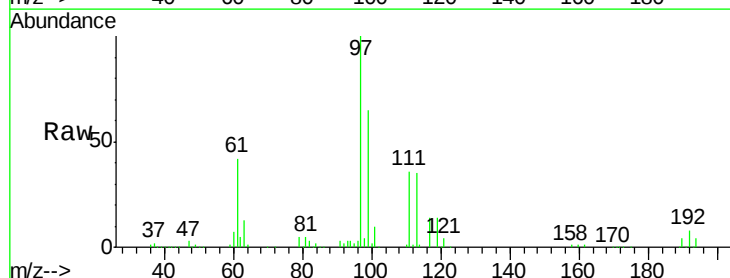
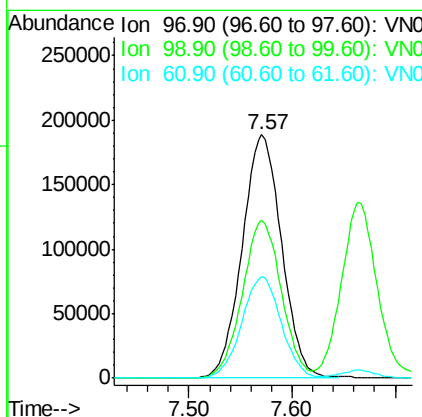
RT: 7.57 min Scan# 1803

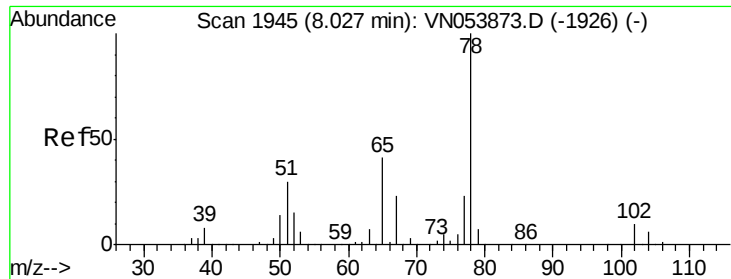
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	97	Resp:	500751
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.8	77.8
61	41.7	33.2	49.8





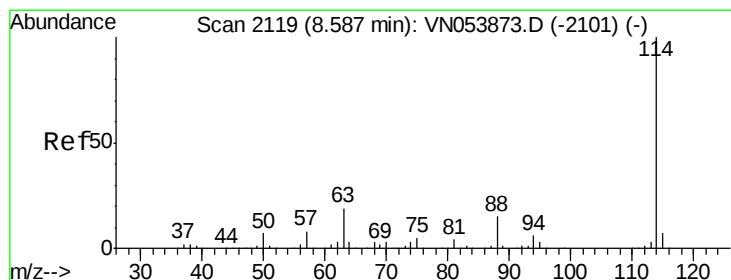
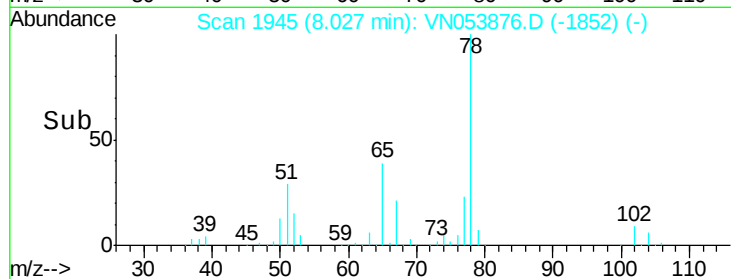
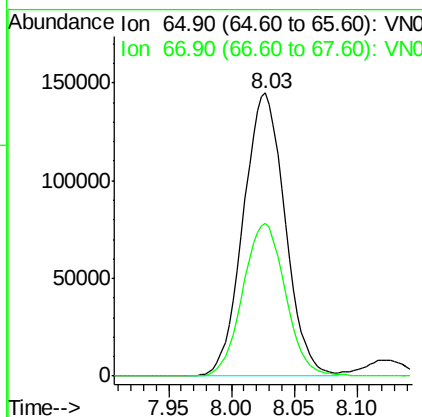
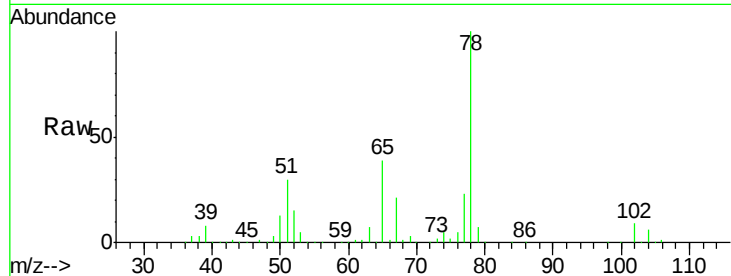
#33
 1,2-Dichloroethane-d4
 Concen: 46.306 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	111.8	

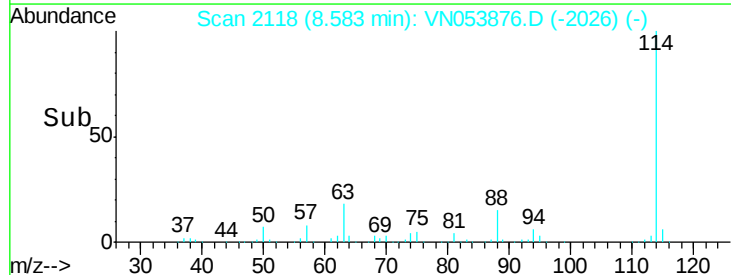
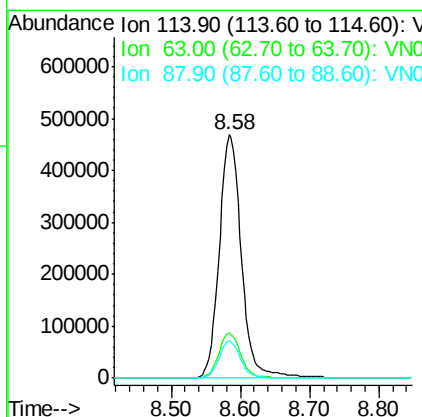
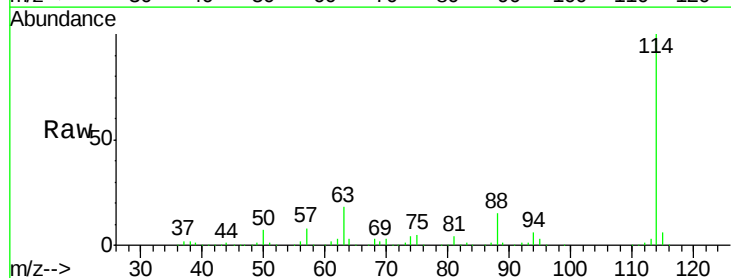
Manual Integrations
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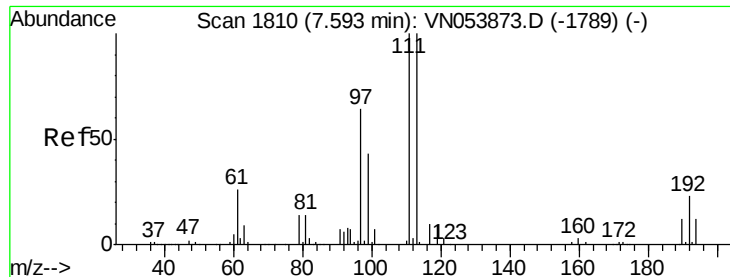
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	37.4	
88	15.4	0.0	30.4	





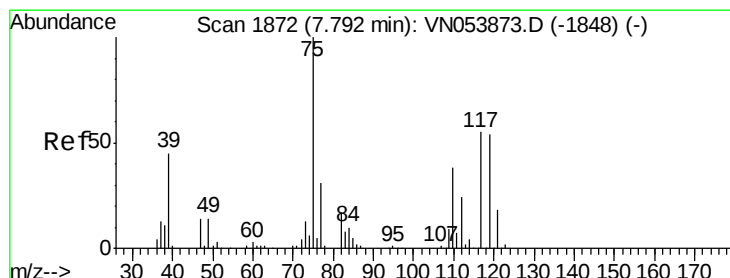
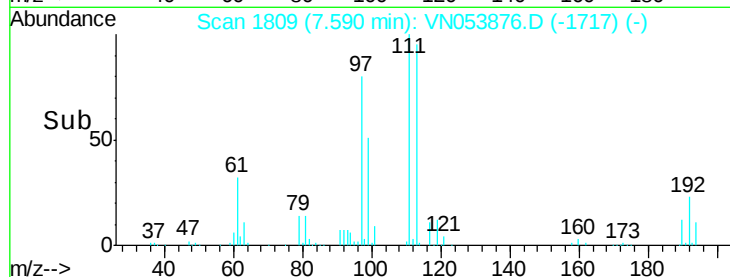
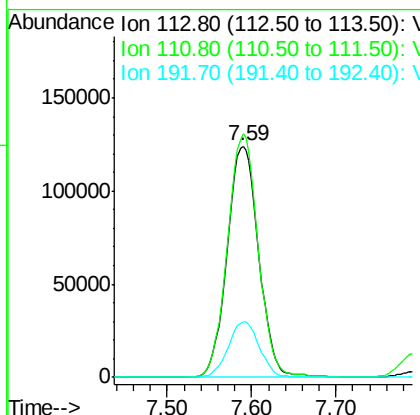
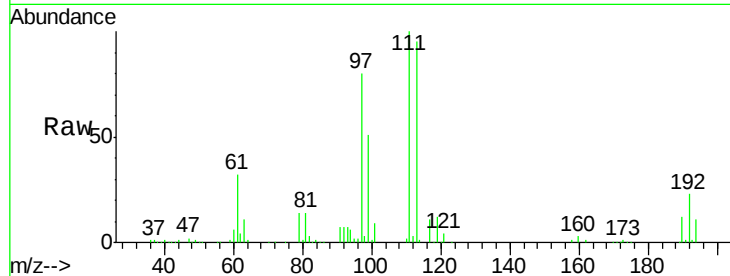
#35
Dibromofluoromethane
Concen: 47.250 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.1	121.7	
192	23.9	18.8	28.2	

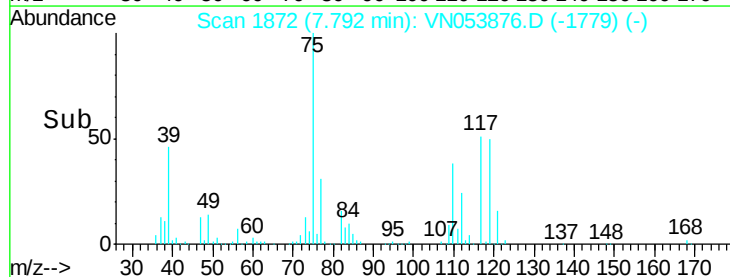
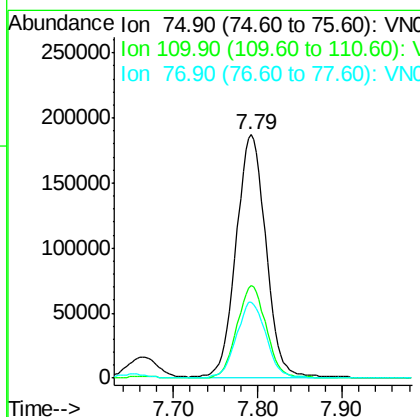
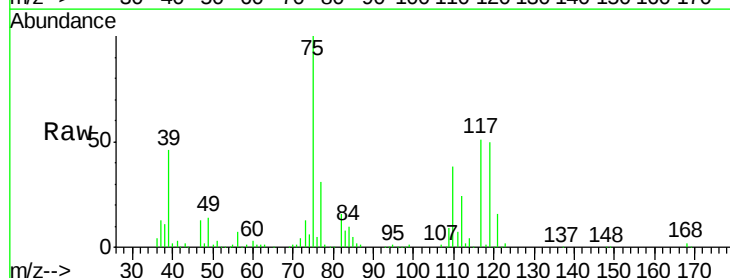
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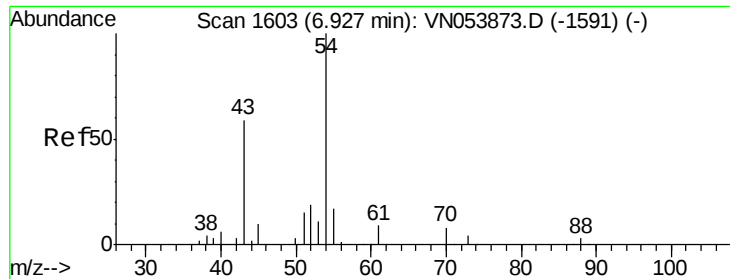
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#36
1,1-Dichloropropene
Concen: 48.021 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	19.0	57.0	
77	31.4	25.4	38.0	





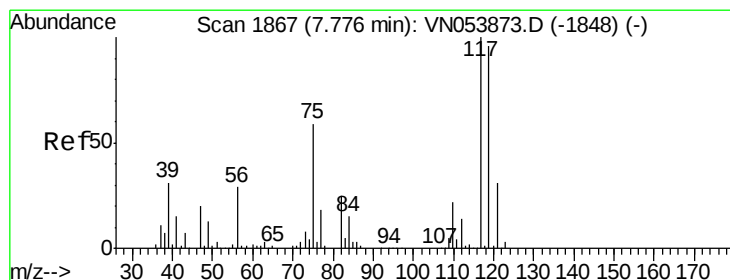
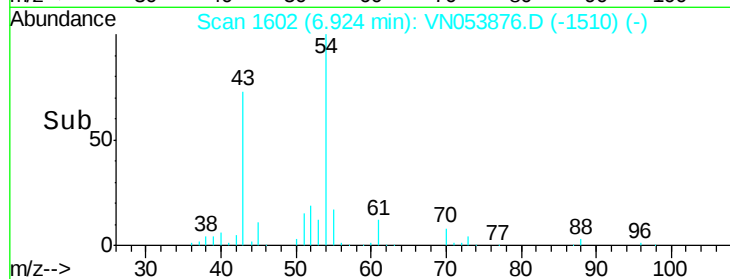
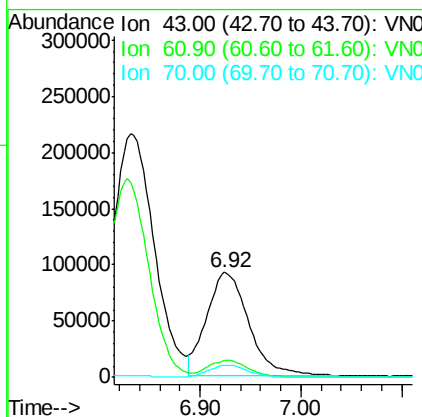
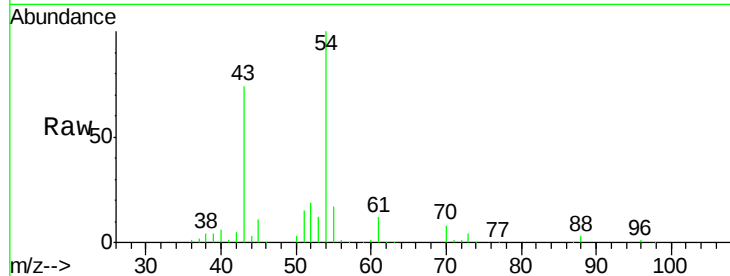
#37
Ethyl Acetate
Concen: 46.602 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.0	18.0
70	11.6	8.7	13.1

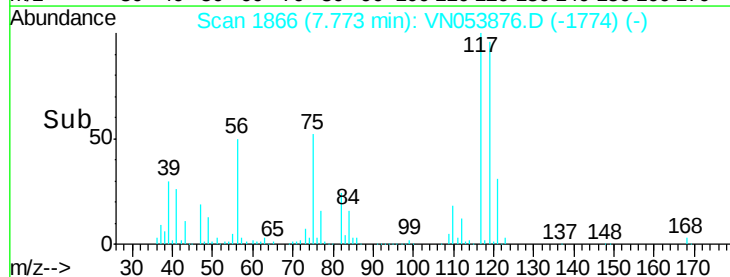
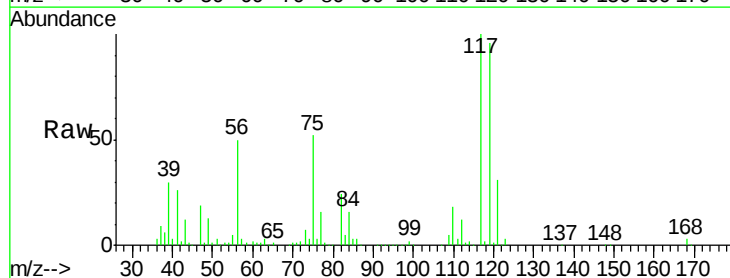
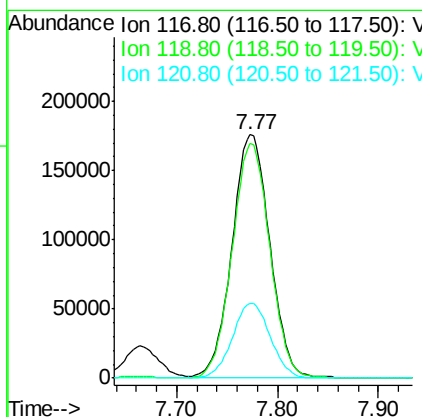
Manual Integrations
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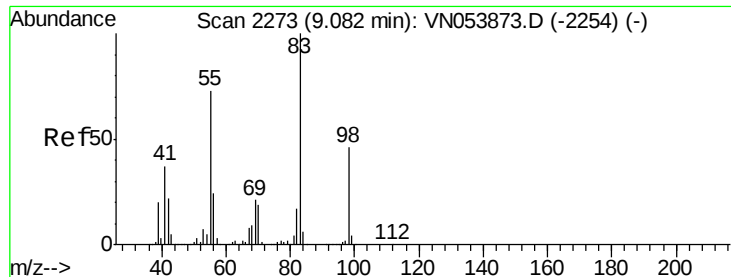
MMDadoda
2/21/2019 10:52:15 AM



#38
Carbon Tetrachloride
Concen: 47.664 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.2	114.2
121	31.0	24.6	36.8





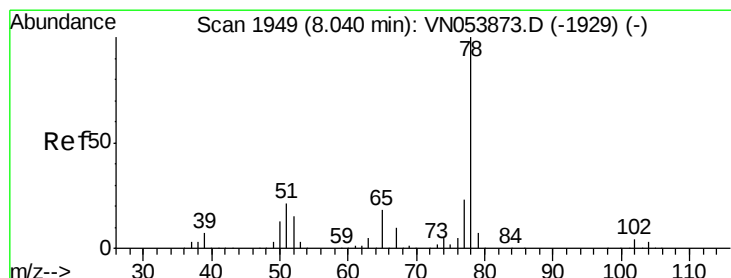
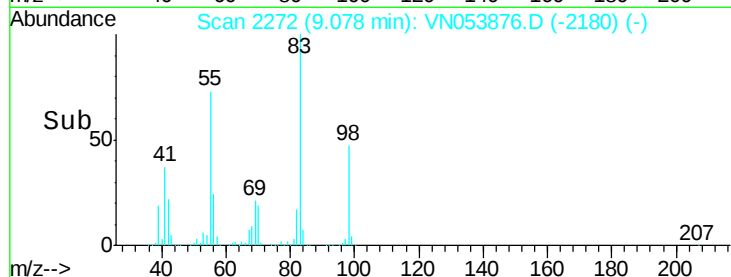
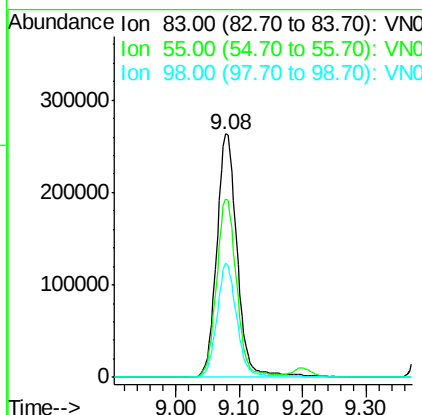
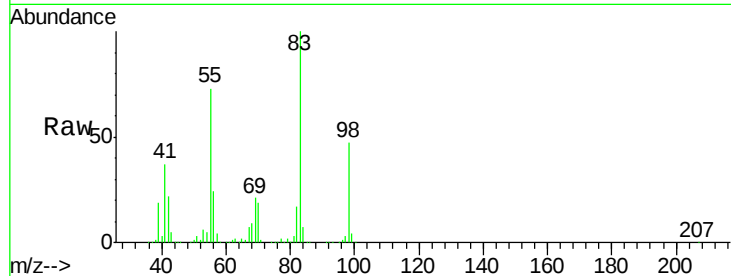
#39
Methvlcvclohexane
Concen: 53.601 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	58.2	87.4	
98	46.8	37.2	55.8	

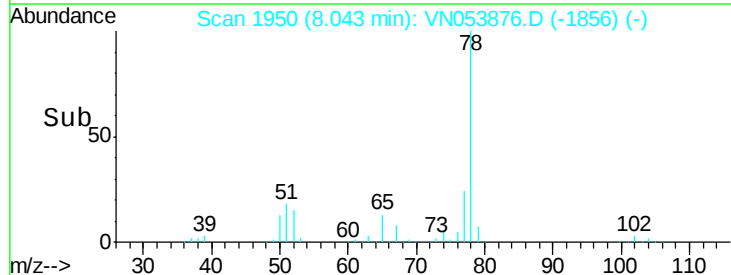
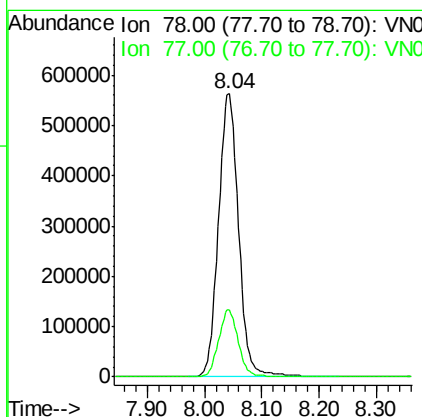
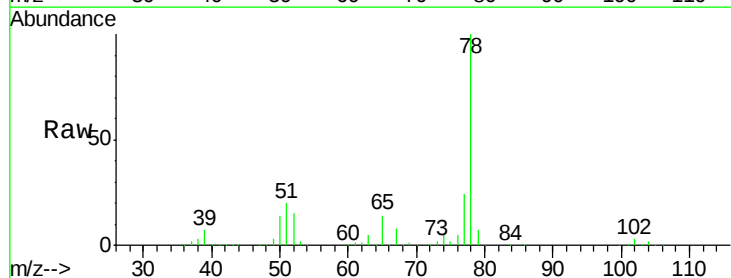
Manual Integrations
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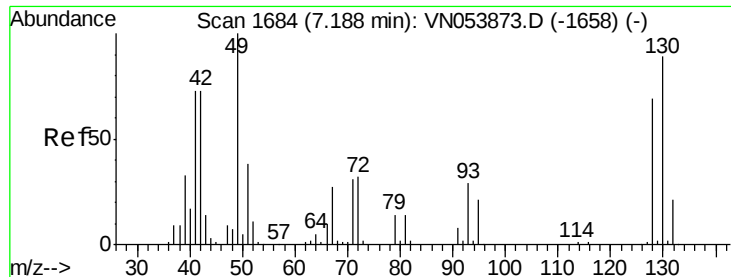
MMDadoda
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#40
Benzene
Concen: 48.717 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





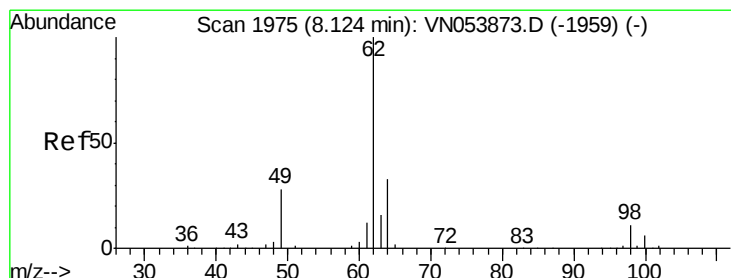
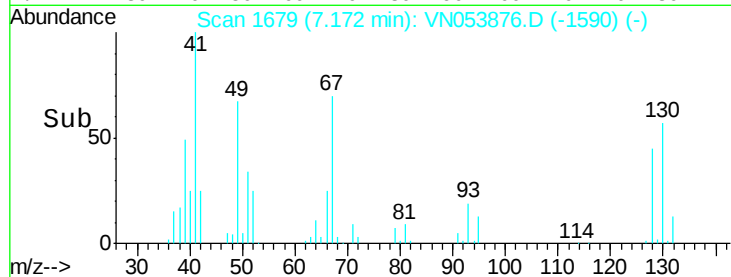
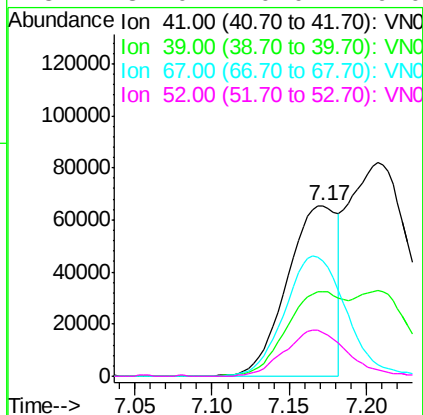
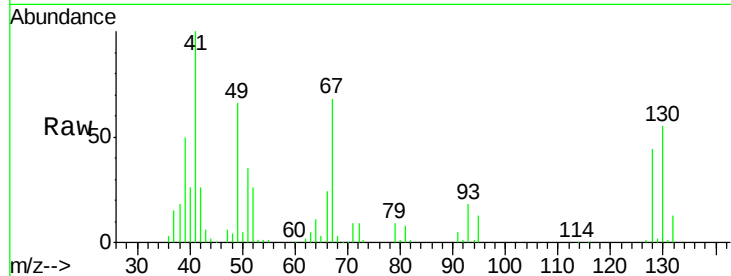
#41
Methacrylonitrile
Concen: 46.852 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	0.0	0.0#
67	87.0	0.0	0.0#
52	34.0	0.0	0.0#

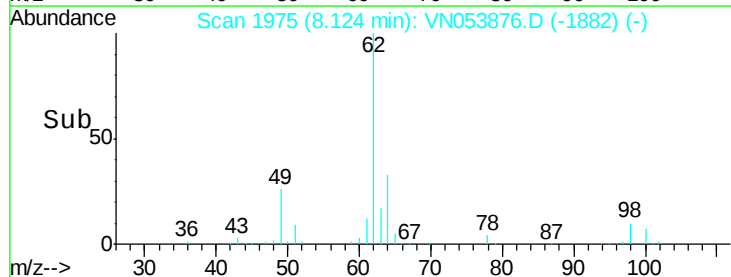
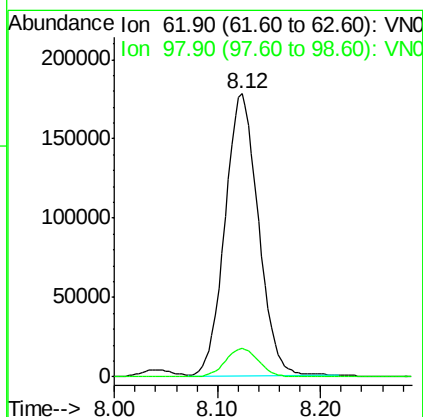
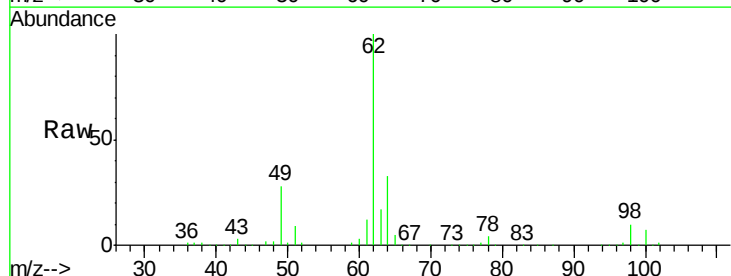
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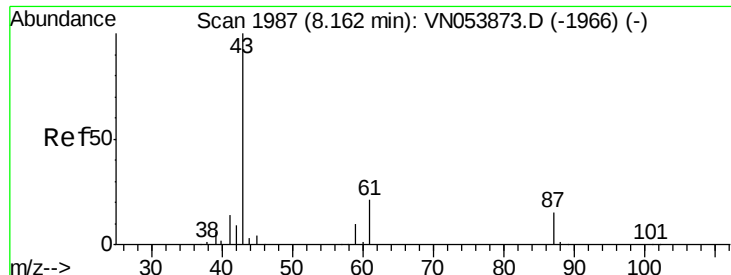
MMDadoda
2/21/2019 10:52:15 AM



#42
1,2-Dichloroethane
Concen: 47.835 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.8





#43

Isopropyl Acetate

Concen: 47.575 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

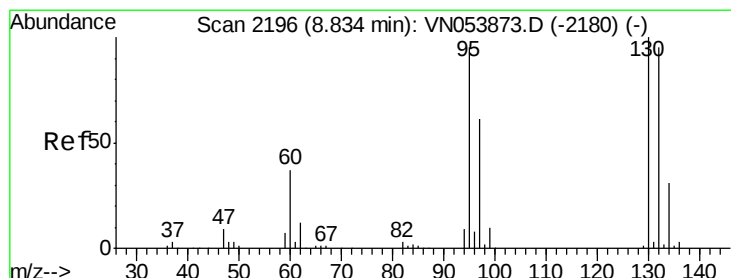
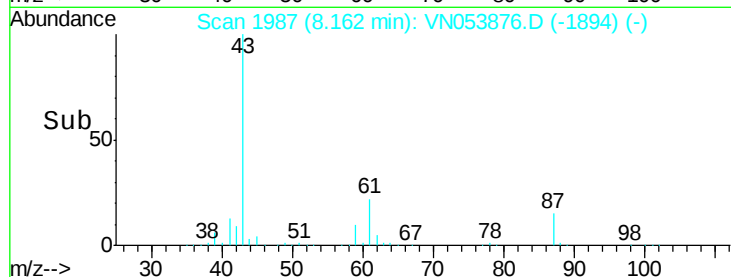
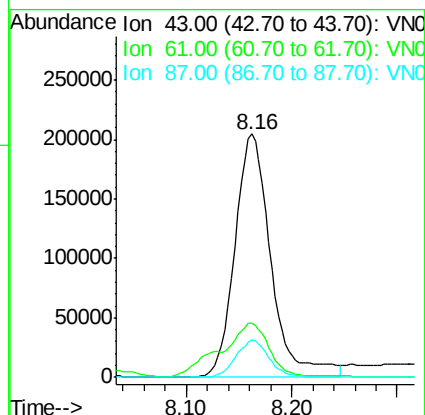
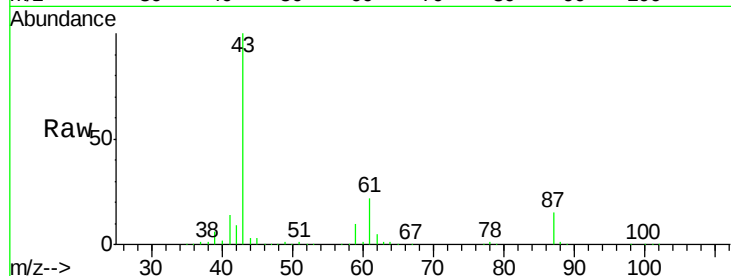
ClientSampled :

ICVVN022019

Tot Ion:	43	Resp:	484404
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.4	26.0
87	14.2	11.5	17.3

Manual Integrations
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2/21/2019 10:52:15 AM



#44

Trichloroethene

Concen: 49.378 ug/l

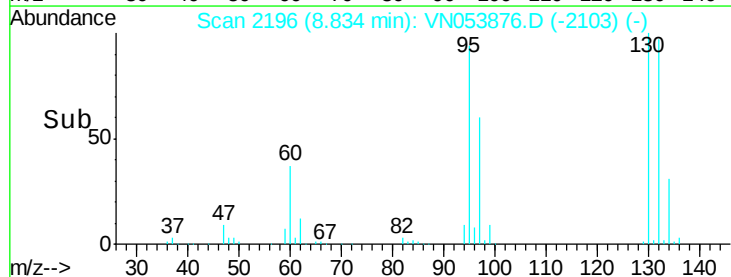
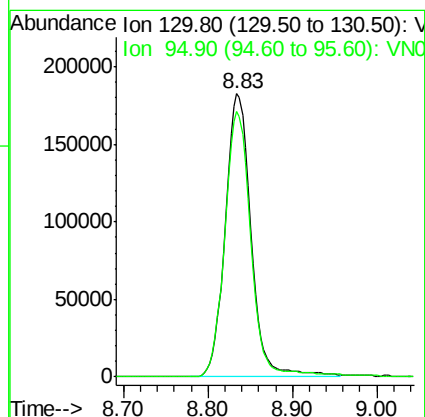
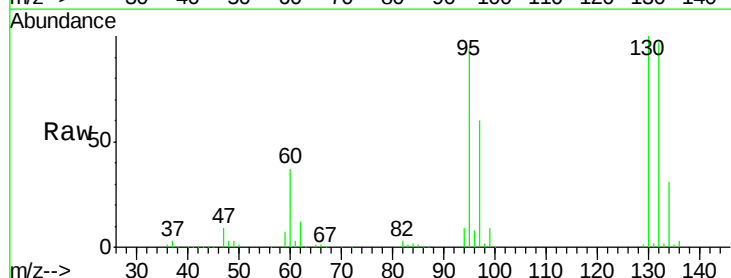
RT: 8.83 min Scan# 2196

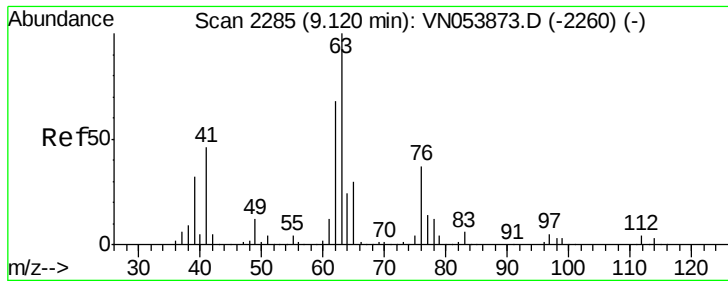
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	130	Resp:	390079
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	190.0





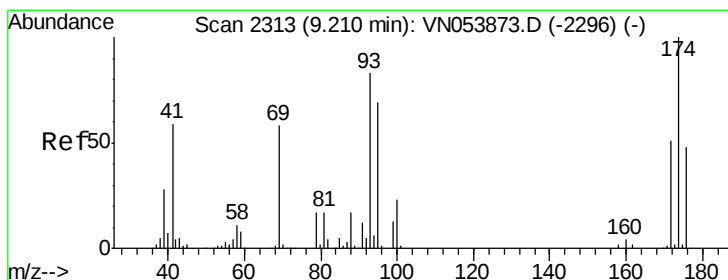
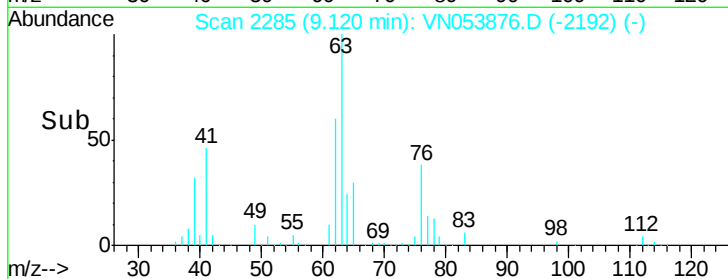
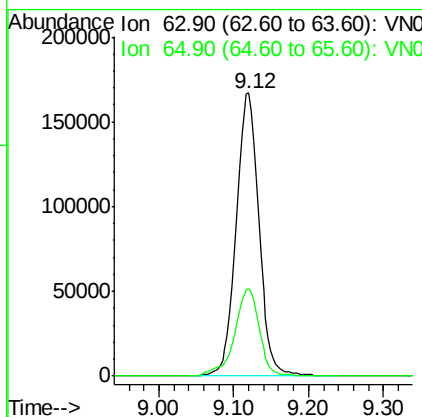
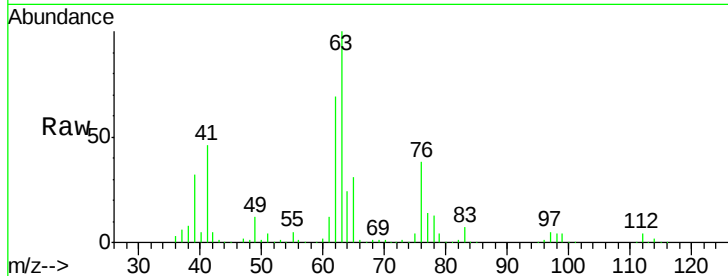
#45
 1,2-Dichloropropane
 Concen: 49.380 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022019

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.7	24.3	36.5	

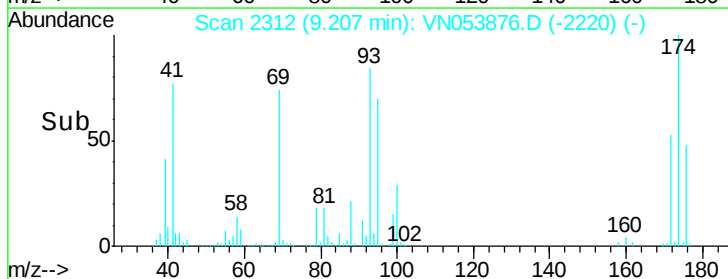
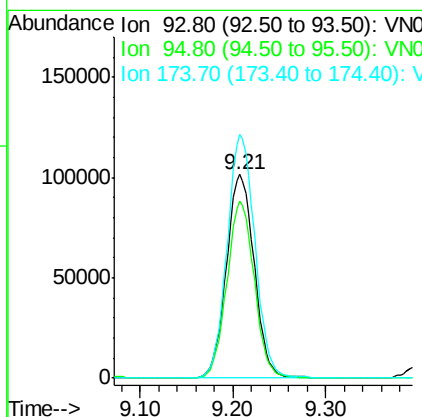
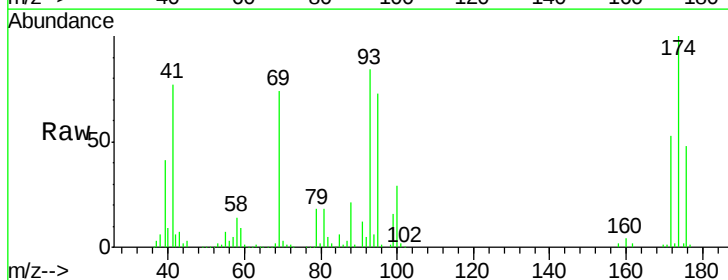
Manual Integrations
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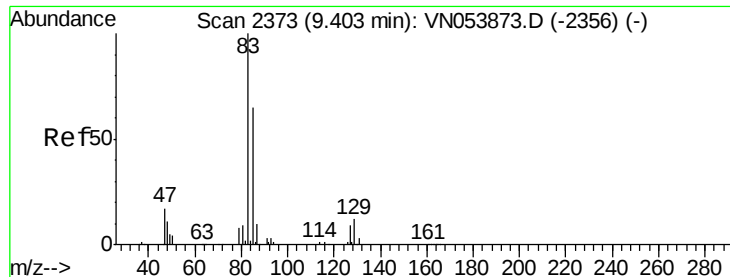
MMDadoda
 2/21/2019 10:52:15 AM



#46
 Dibromomethane
 Concen: 48.977 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	85.1	66.6	100.0	
174	119.0	96.2	144.4	





#47

Bromodichloromethane

Concen: 49.140 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

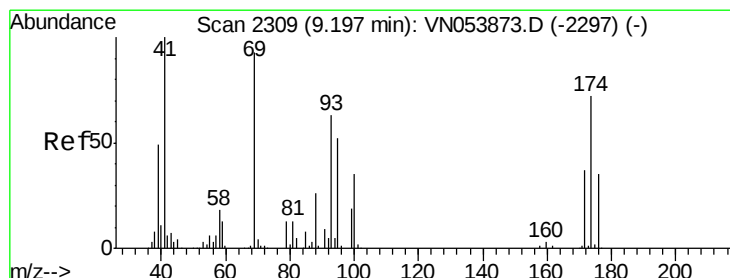
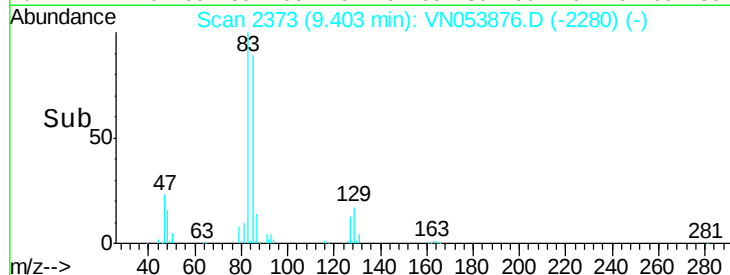
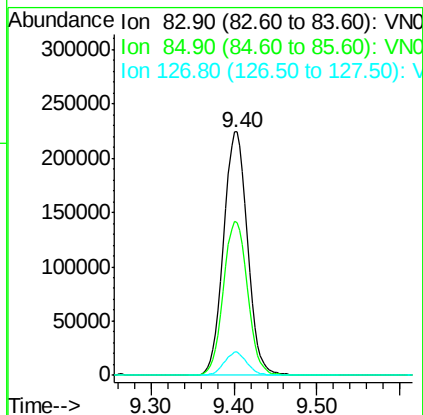
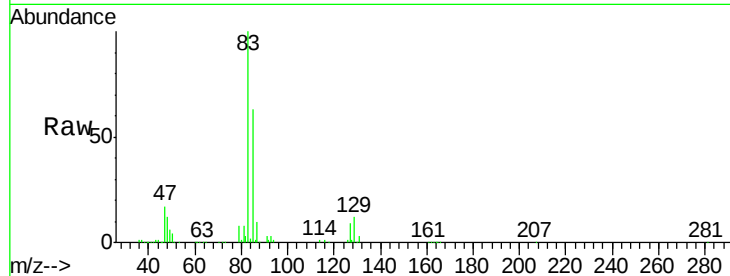
ClientSampleId :

ICVVN022019

Tot Ion:	83	Resp:	449701
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.8	77.6
127	9.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/21/2019 10:52:15 AM



#48

Methyl methacrylate

Concen: 51.641 ug/l

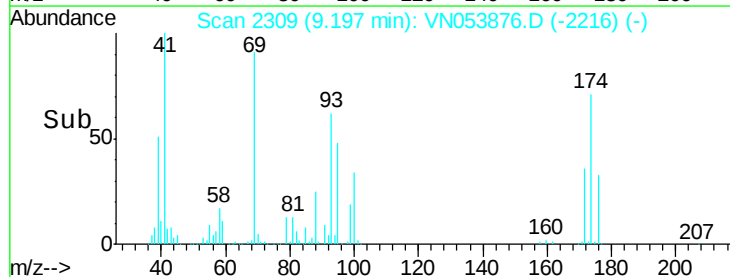
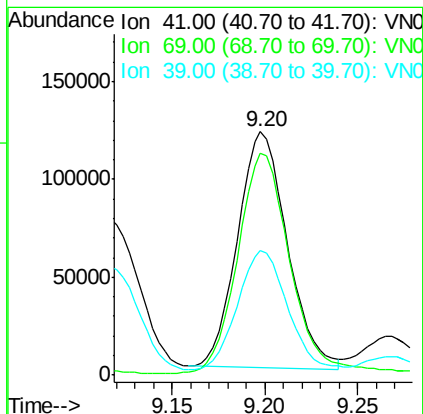
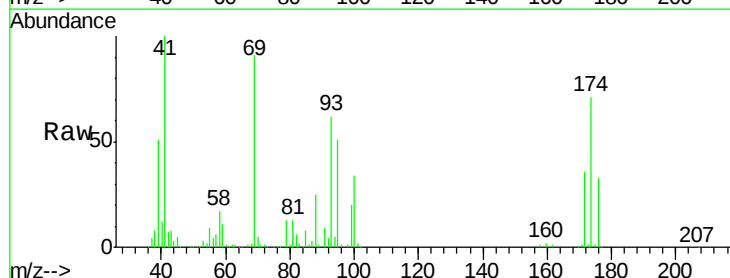
RT: 9.20 min Scan# 2309

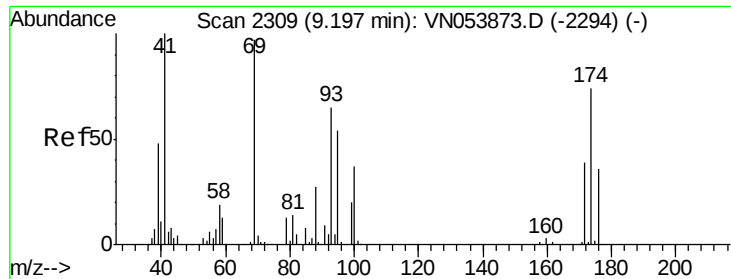
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	41	Resp:	225442
Ion Ratio	Lower	Upper	
41	100		
69	100.2	74.8	112.2
39	51.3	39.0	58.6





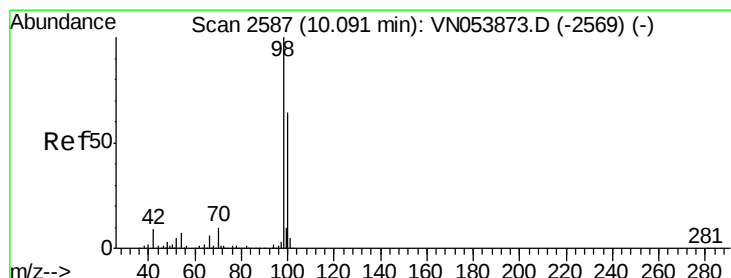
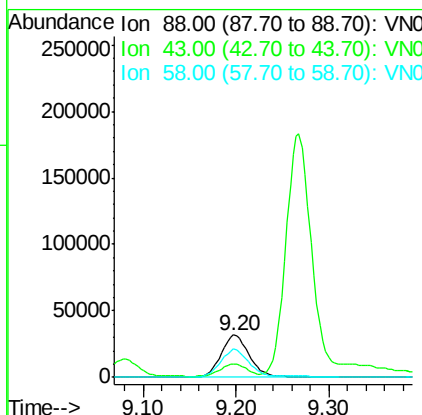
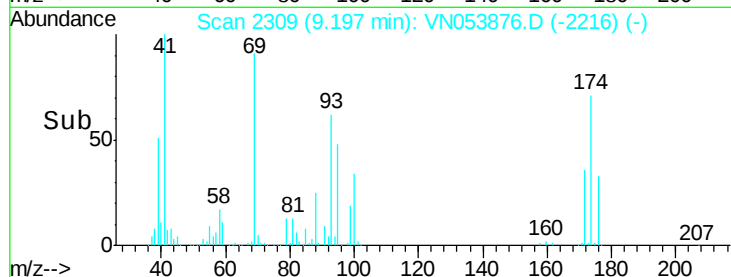
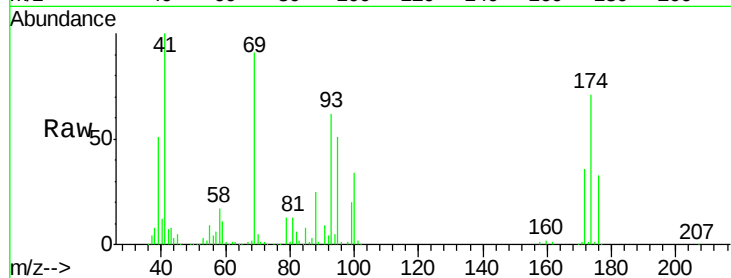
#49
1,4-Dioxane
Concen: 967.787 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	88	Resp	68370
Ion	Ratio	Lower	Upper
88	100		
43	29.1	21.2	31.8
58	65.9	54.2	81.2

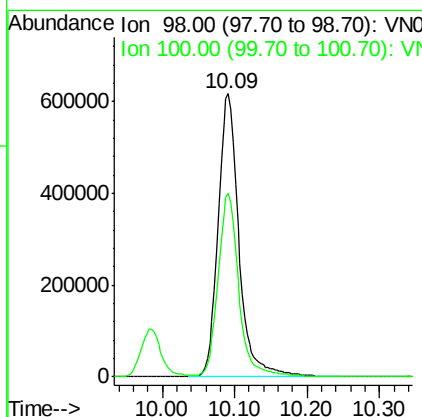
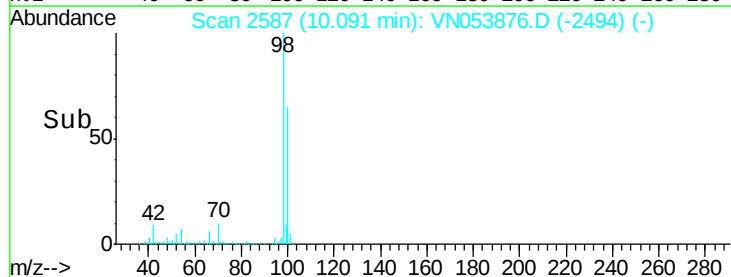
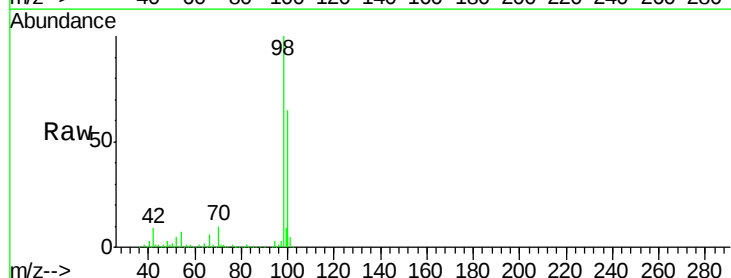
Manual Integrations
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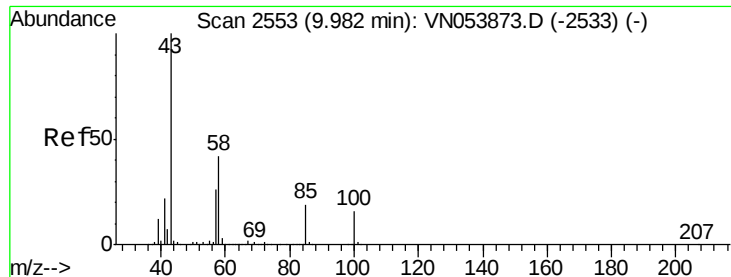
MMDadoda
2/21/2019 10:52:15 AM



#50
Toluene-d8
Concen: 49.737 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	98	Resp	1227747
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 244.143 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

Tot Ion: 43 Resp: 1276383

Ion Ratio Lower Upper

43 100

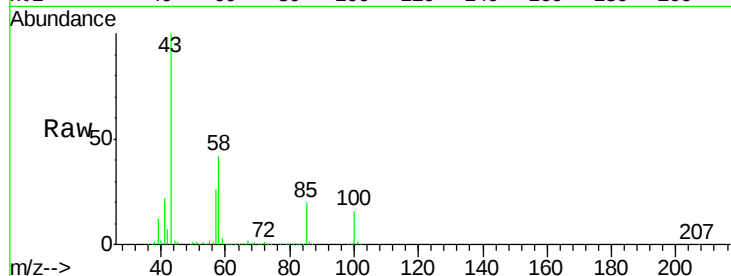
58 41.3 32.7 49.1

Manual Integrations

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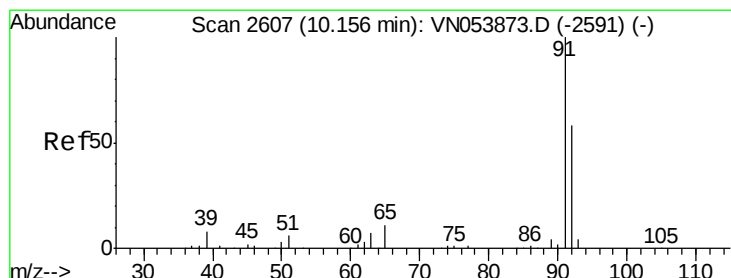
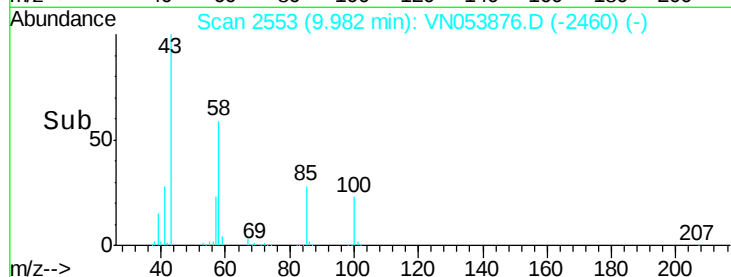
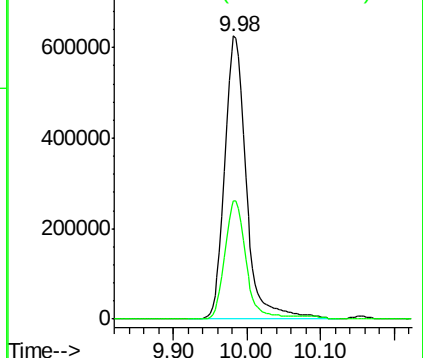
MMDadoda

2/21/2019 10:52:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.076 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053876.D

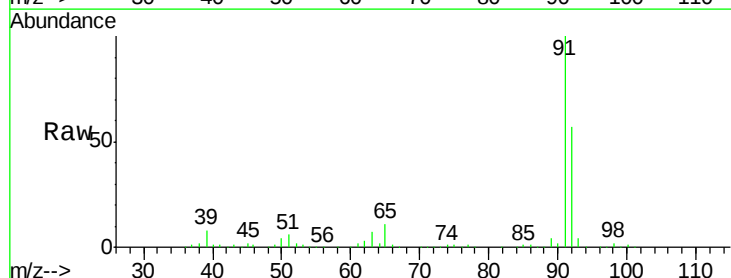
Acq: 20 Feb 2019 11:23

Tgt Ion: 92 Resp: 837436

Ion Ratio Lower Upper

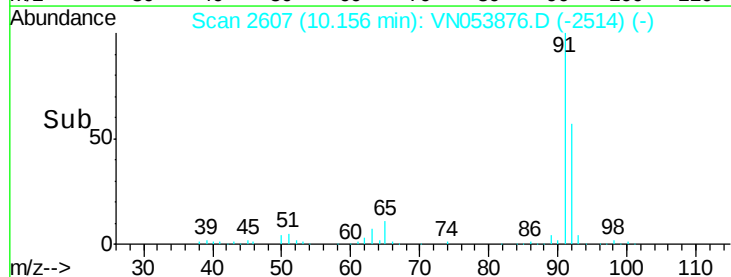
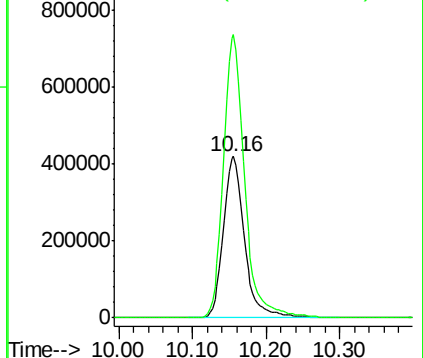
92 100

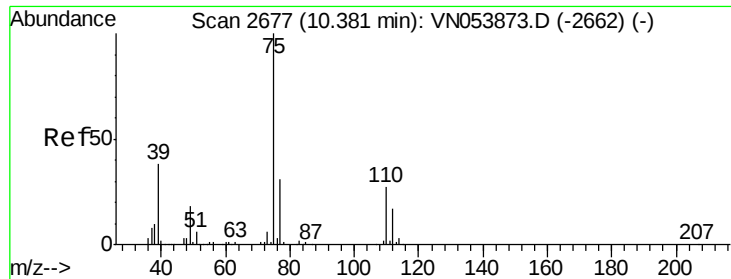
91 175.5 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





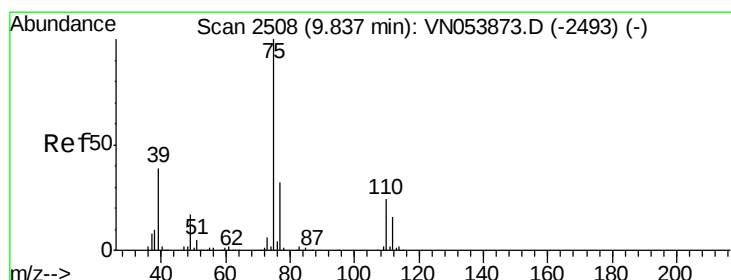
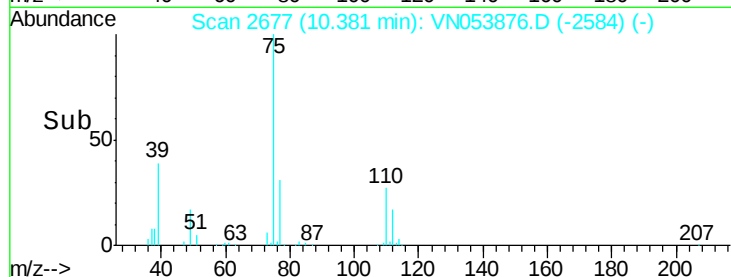
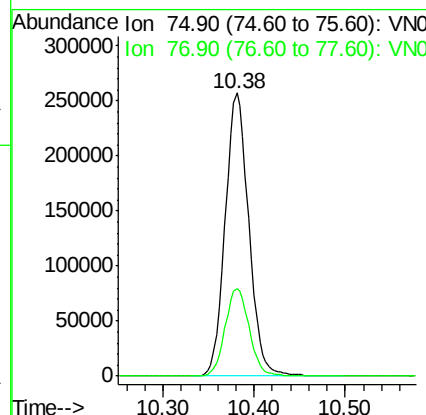
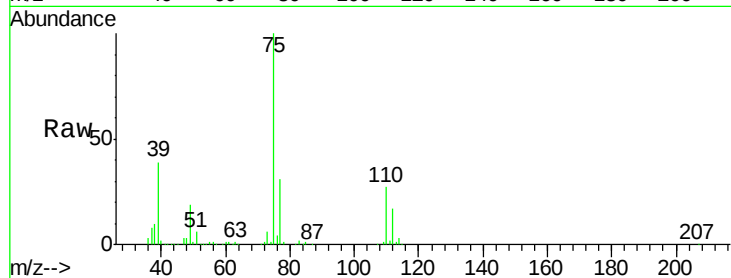
#53
t-1,3-Dichloropropene
Concen: 52.148 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion: 75 Resp: 463408
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6

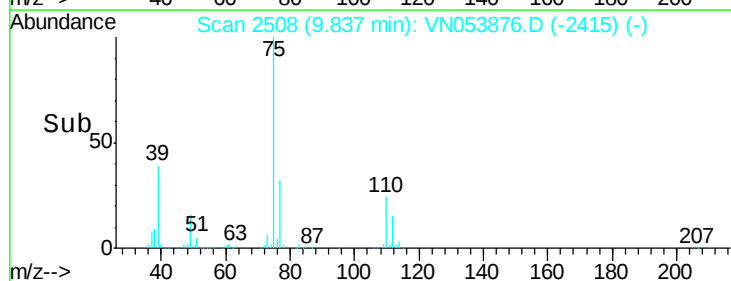
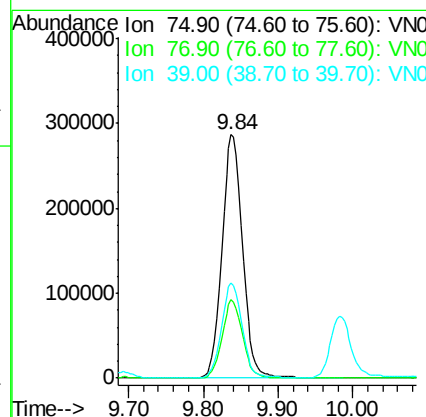
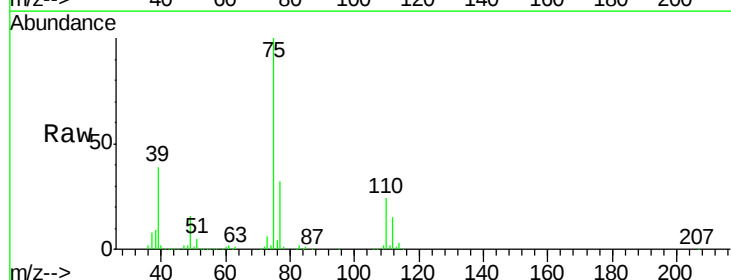
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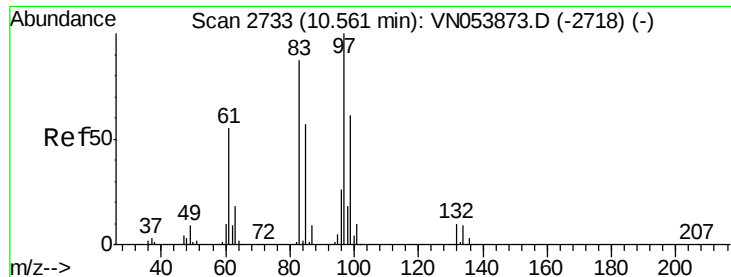
MMDadoda
2/21/2019 10:52:15 AM



#54
cis-1,3-Dichloropropene
Concen: 52.140 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 75 Resp: 546115
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6
39 39.2 31.4 47.0





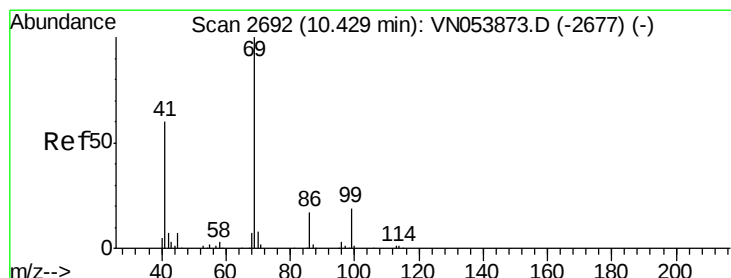
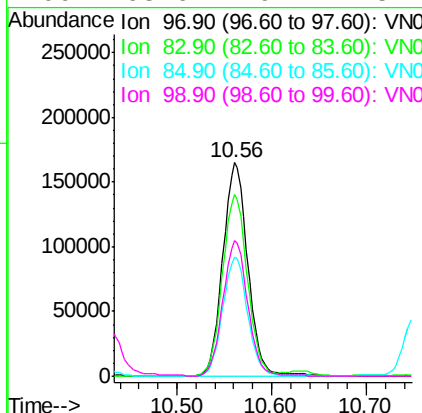
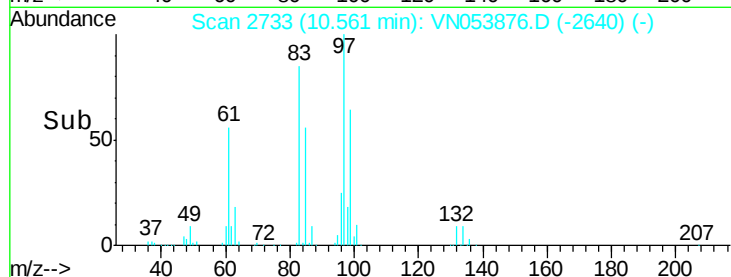
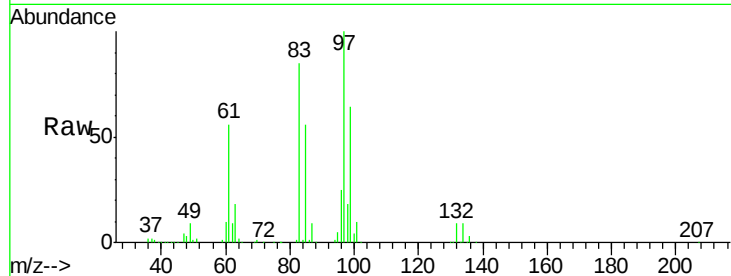
#55
 1,1,2-Trichloroethane
 Concen: 49.791 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022019

Tot Ion:	97	Resp:	304391
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.5	104.3
85	56.0	45.9	68.9
99	63.6	49.1	73.7

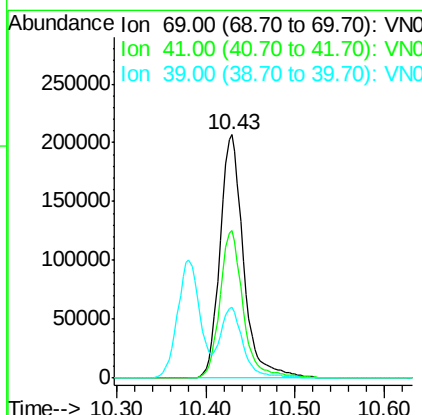
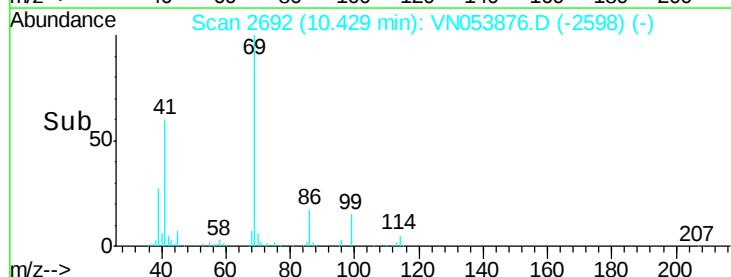
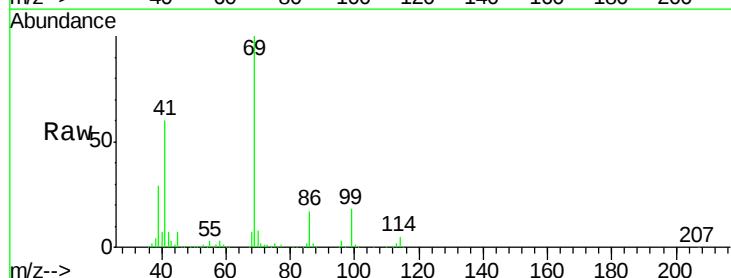
Manual Integrations
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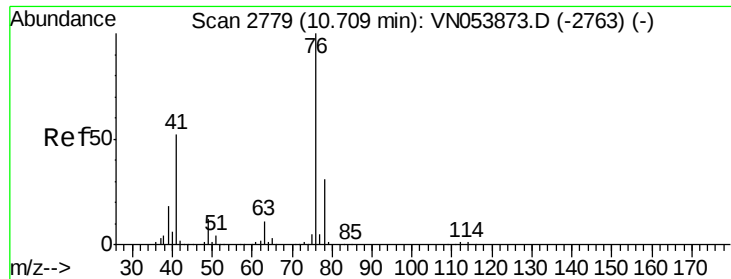
MMDadoda
 2/21/2019 10:52:15 AM



#56
 Ethyl methacrylate
 Concen: 48.206 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion:	69	Resp:	378293
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.5	71.3
39	28.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 49.619 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

Tot Ion: 76 Resp: 510741

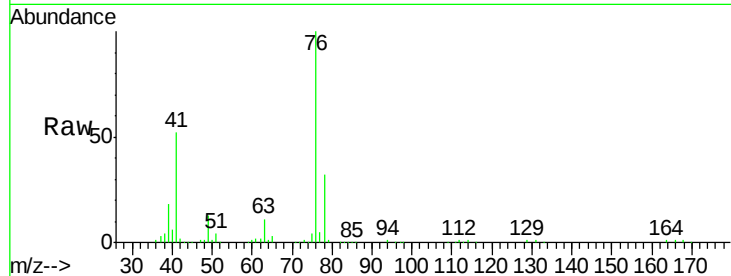
Ion Ratio Lower Upper

76 100

78 32.3 25.2 37.8

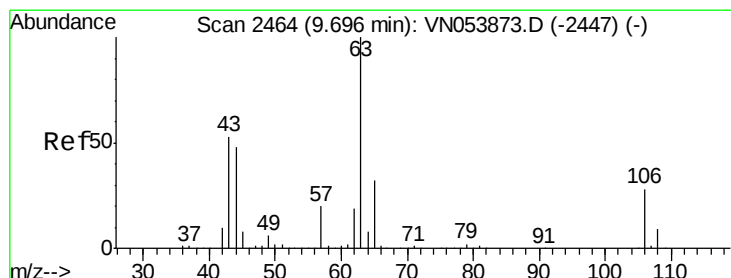
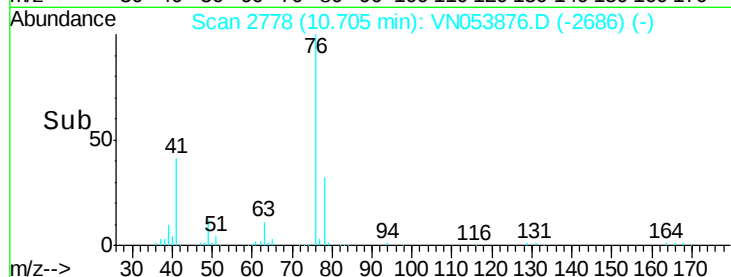
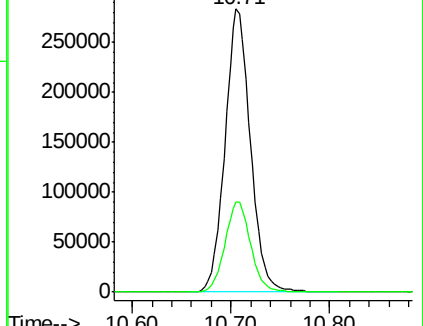
Manual Integrations
APPROVED

MMDadoda
2/21/2019 10:52:15 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: 242.121 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053876.D

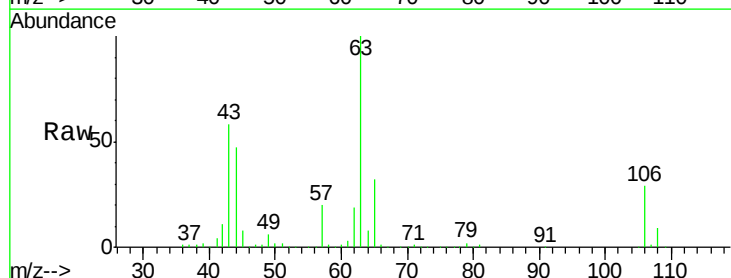
Acq: 20 Feb 2019 11:23

Tgt Ion: 63 Resp: 853516

Ion Ratio Lower Upper

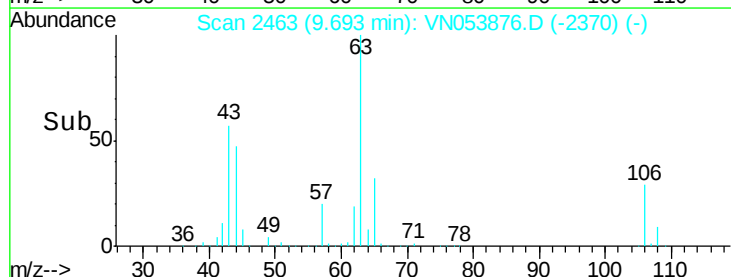
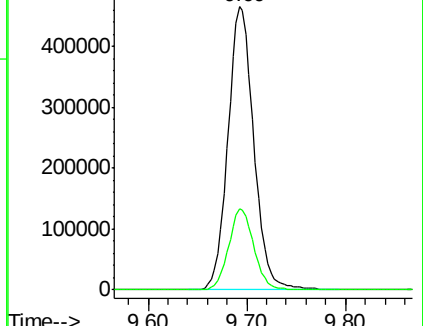
63 100

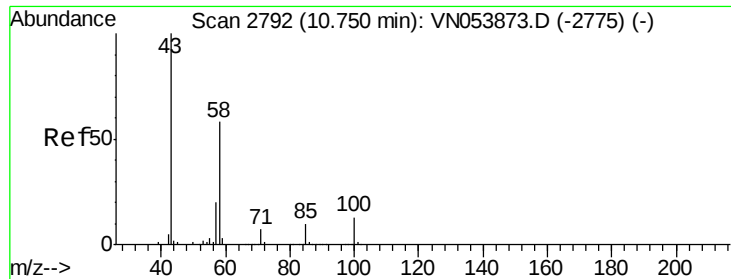
106 28.0 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 263.629 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN022019

Tot Ion: 43 Resp: 842158

Ion Ratio Lower Upper

43 100

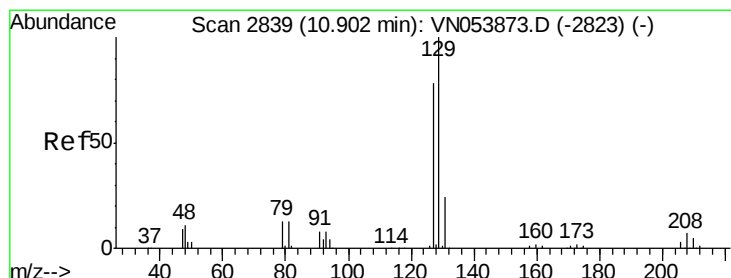
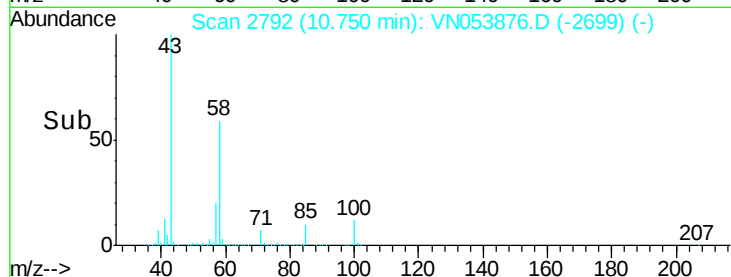
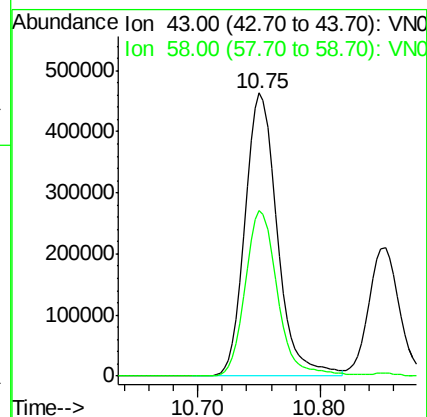
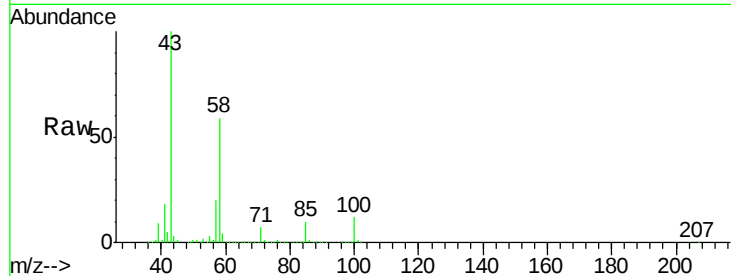
58 58.7 29.1 87.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 49.309 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053876.D

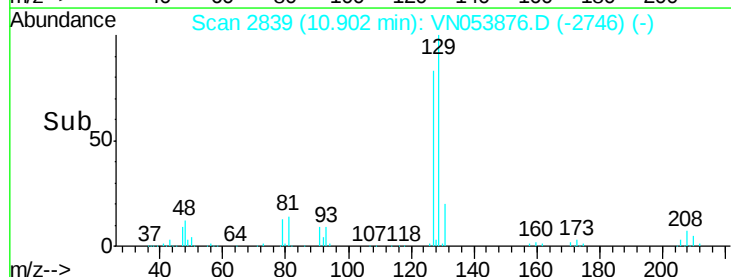
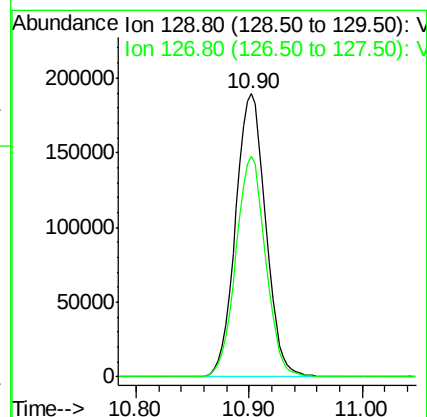
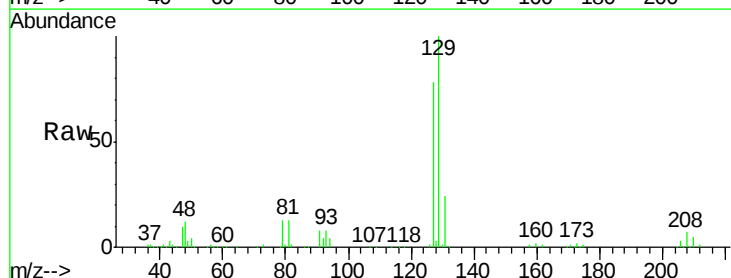
Acq: 20 Feb 2019 11:23

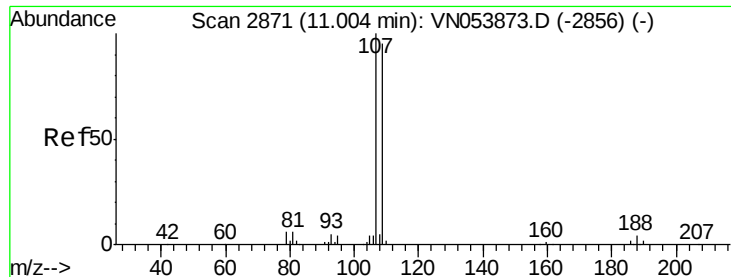
Tgt Ion: 129 Resp: 351857

Ion Ratio Lower Upper

129 100

127 76.9 38.8 116.3





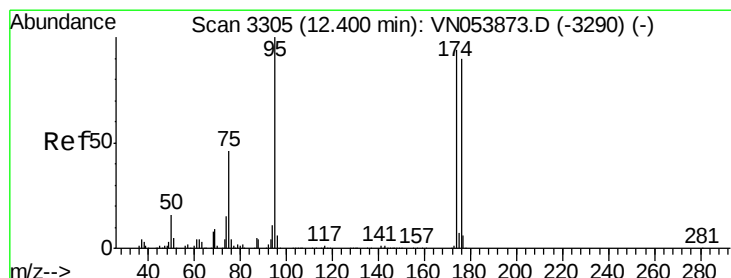
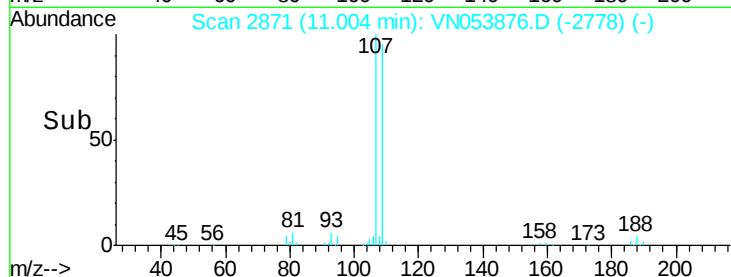
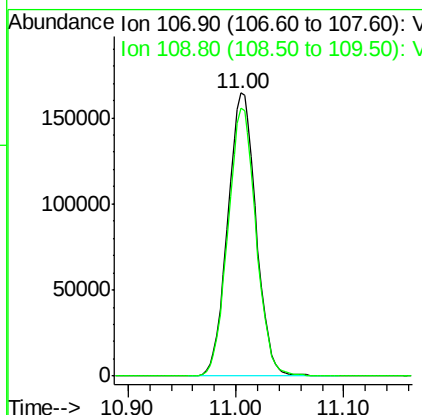
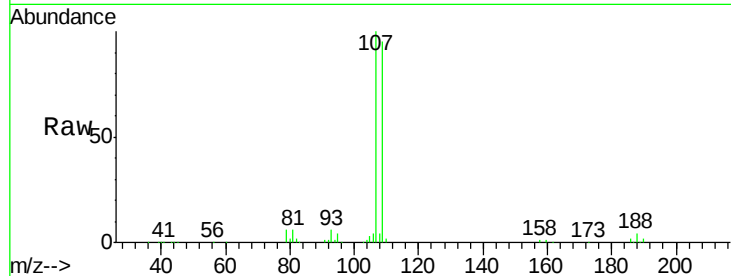
#61
 1,2-Dibromoethane
 Concen: 49.536 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.3	114.5

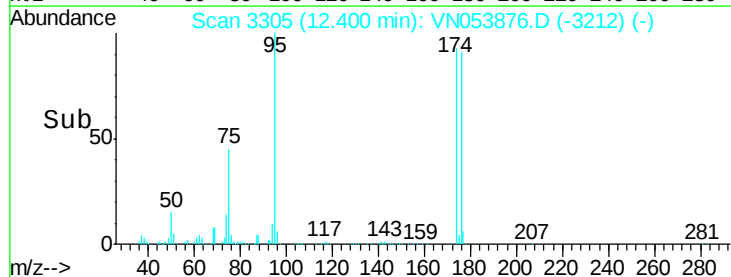
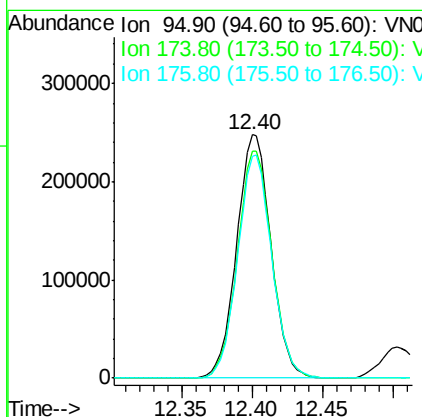
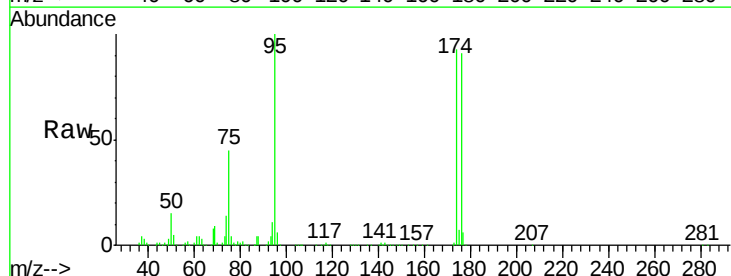
Manual Integrations
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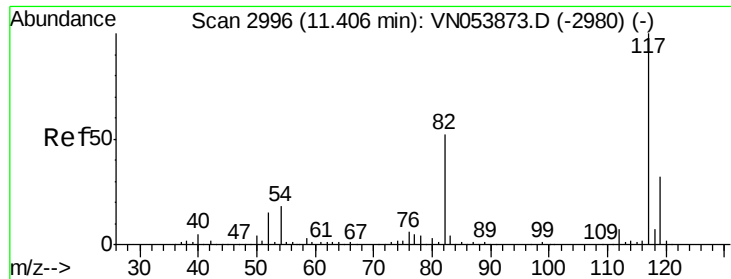
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.756 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	188.8
176	91.2	0.0	182.6





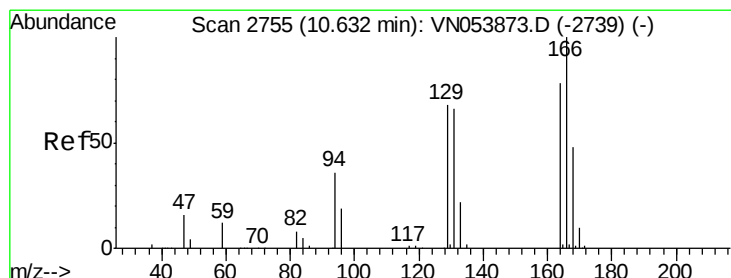
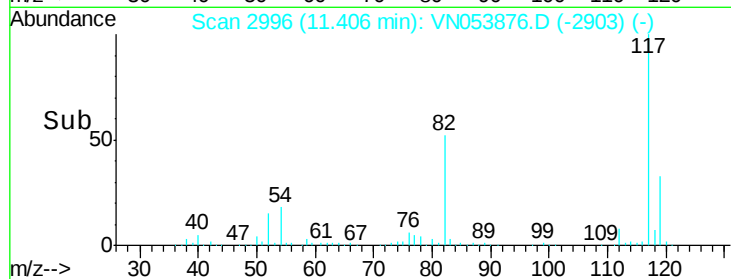
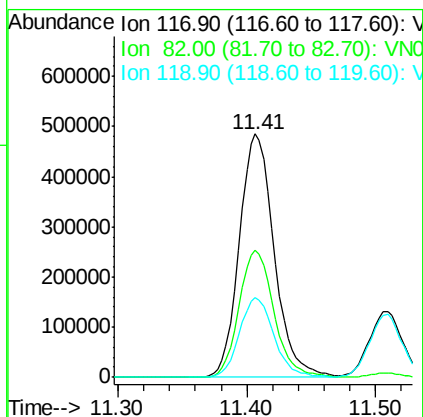
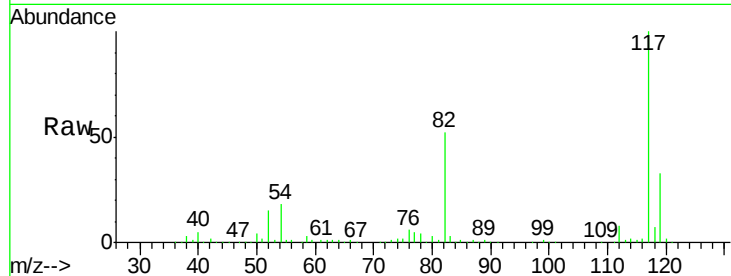
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.4	62.2
119	32.6	25.3	37.9

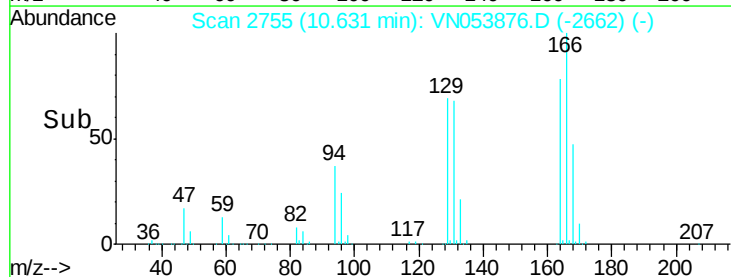
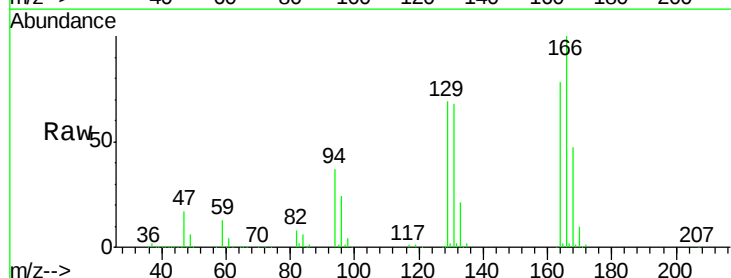
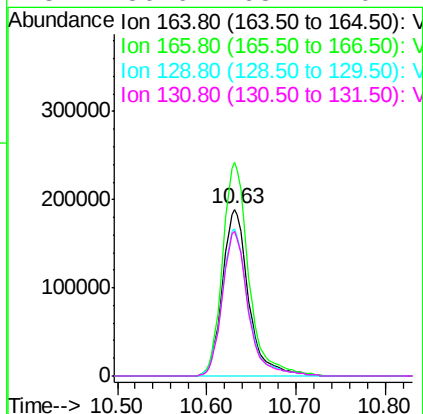
Manual Integrations
APPROVED

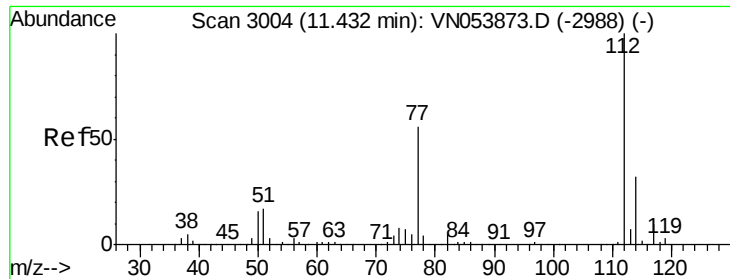
MMDadoda
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#64
Tetrachloroethene
Concen: 47.001 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.6	153.8
129	88.4	69.4	104.0
131	86.6	68.1	102.1





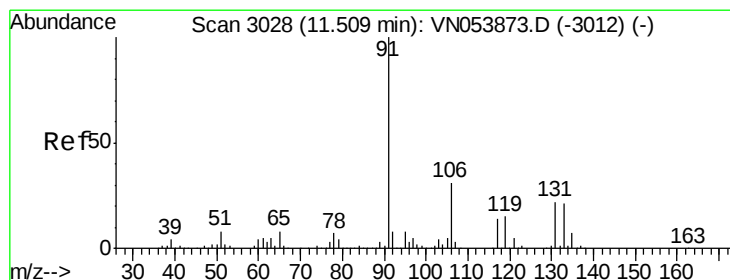
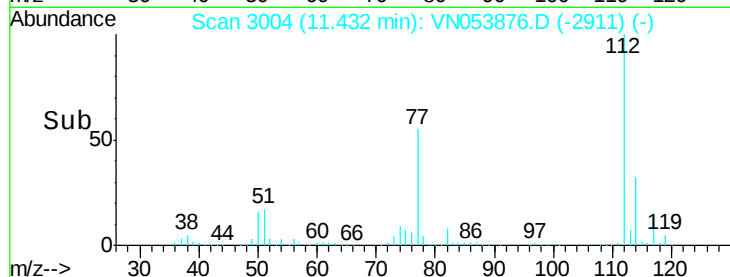
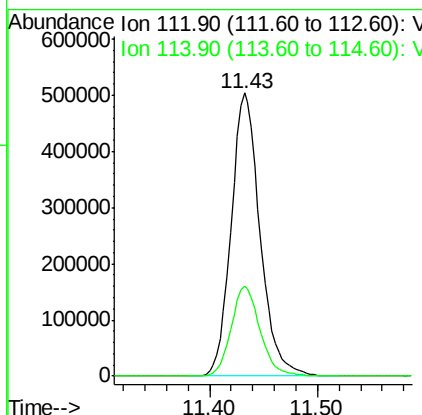
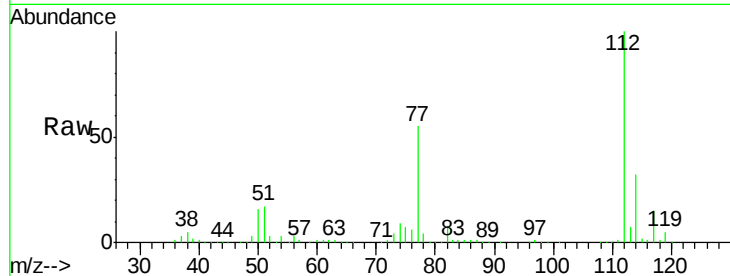
#65
Chlorobenzene
Concen: 49.065 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

Tot Ion:112 Resp: 939353
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

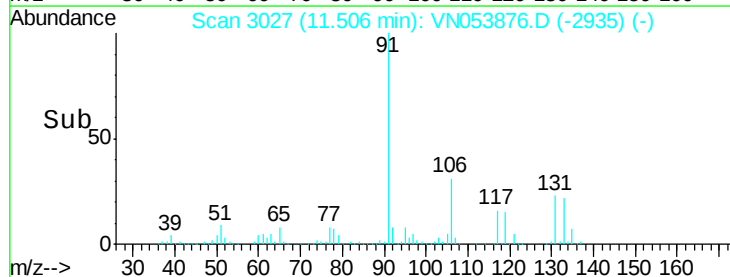
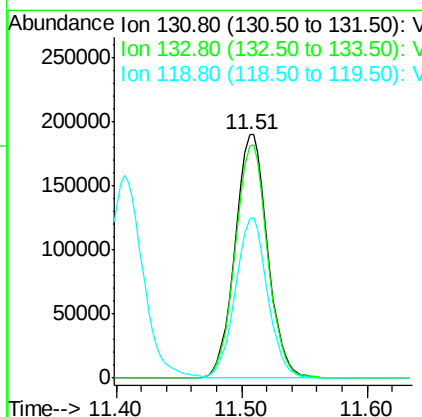
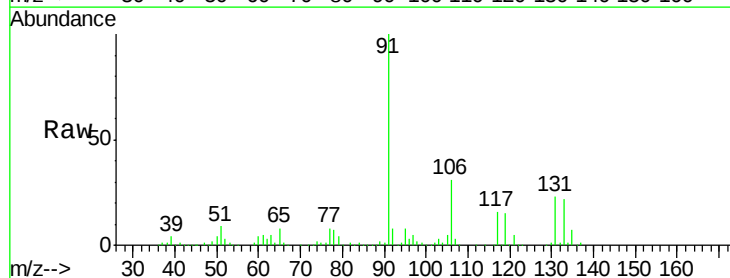
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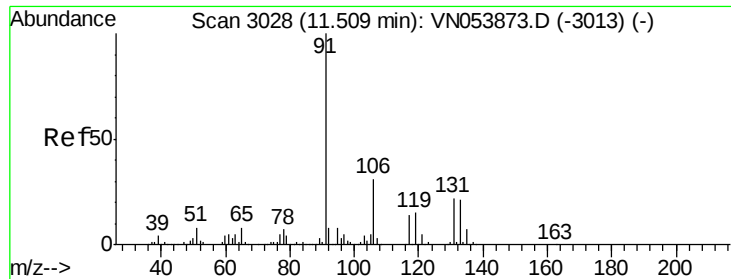
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.146 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:131 Resp: 343351
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 65.1 33.1 99.3





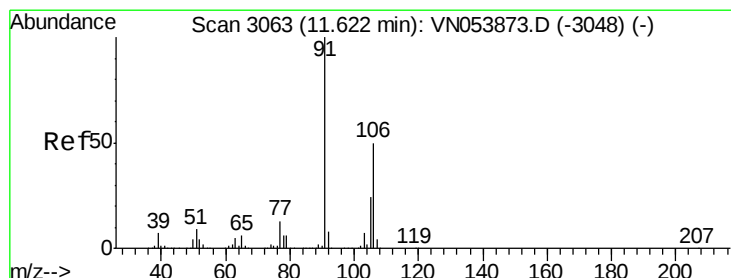
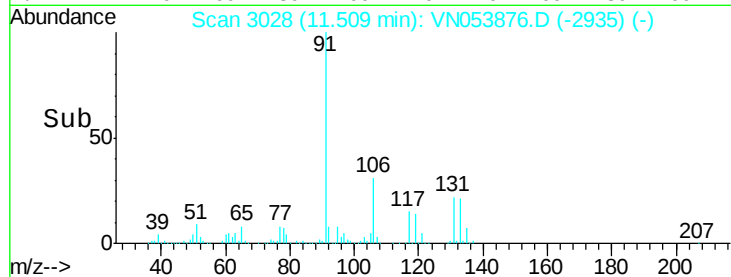
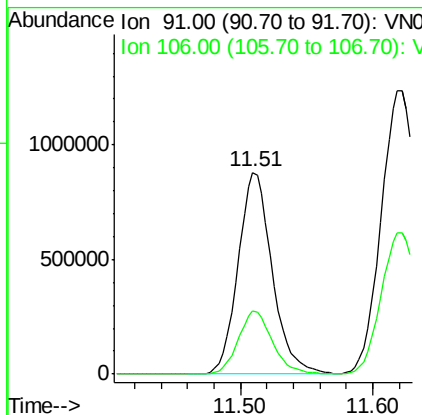
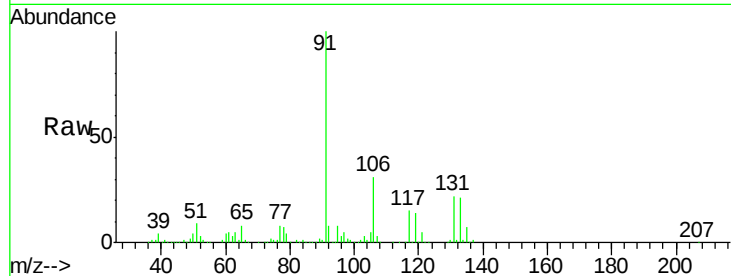
#67
Ethyl Benzene
Concen: 50.720 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

Tot Ion: 91 Resp: 1571516
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

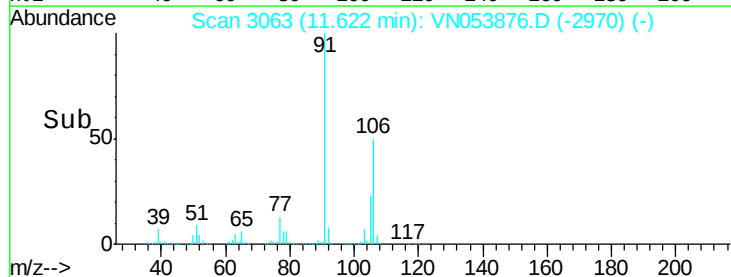
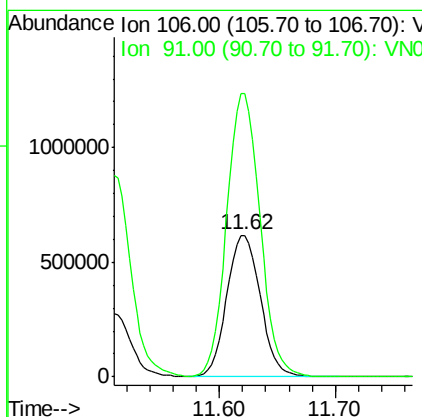
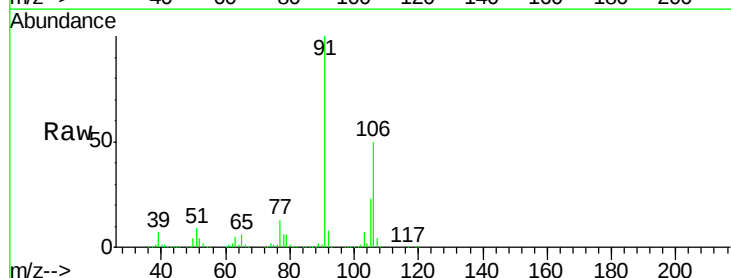
Manual Integrations
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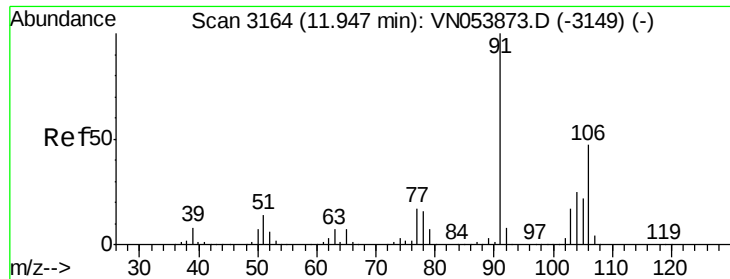
MMDadoda
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#68
m/p-Xylenes
Concen: 103.648 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 106 Resp: 1243469
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3





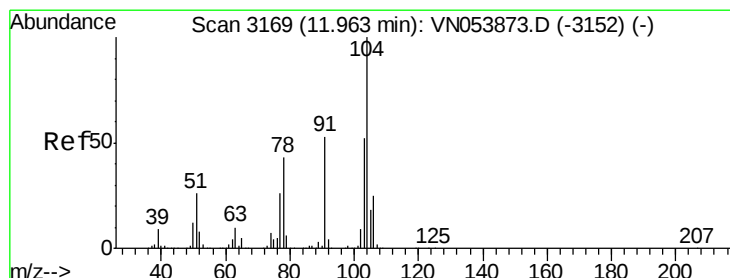
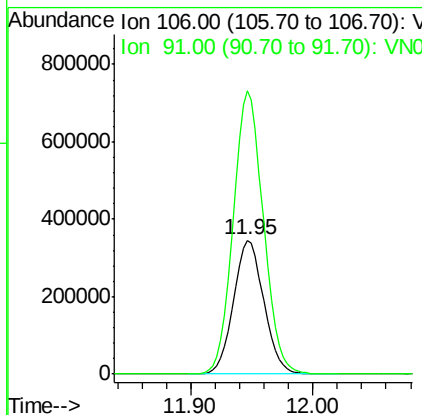
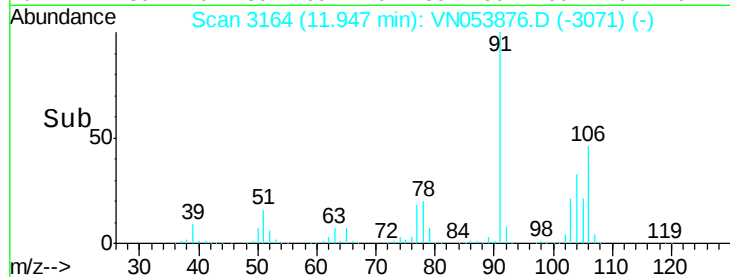
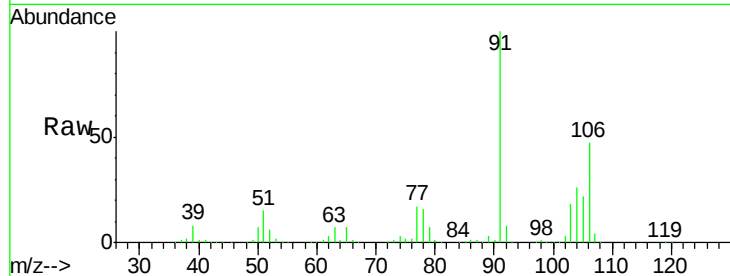
#69
o-Xylene
Concen: 51.410 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

Tot Ion:106 Resp: 593770
Ion Ratio Lower Upper
106 100
91 210.8 106.0 318.0

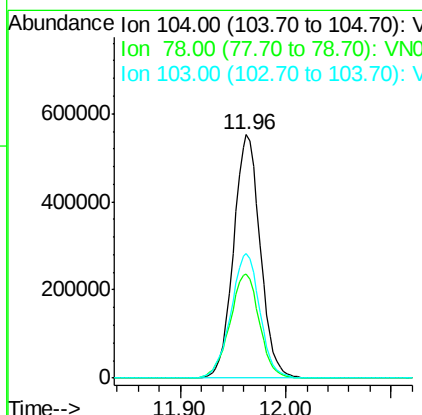
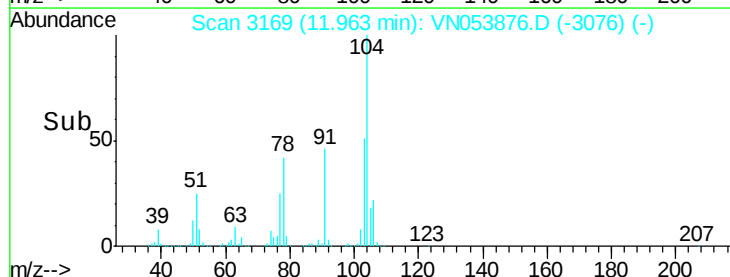
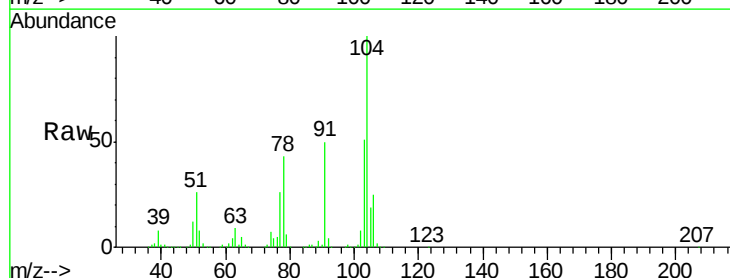
Manual Integrations
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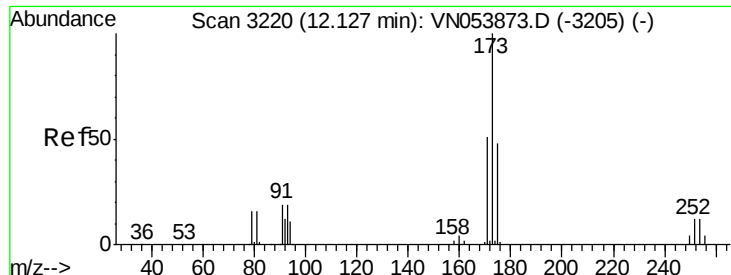
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#70
Styrene
Concen: 53.399 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:104 Resp: 967809
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 55.4 44.6 67.0





#71

Bromoform

Concen: 49.832 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

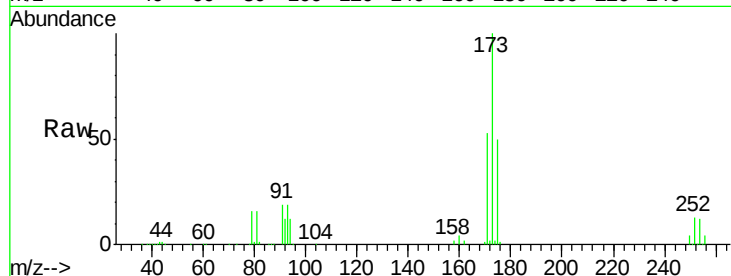
ClientSampleId :

ICVVN022019

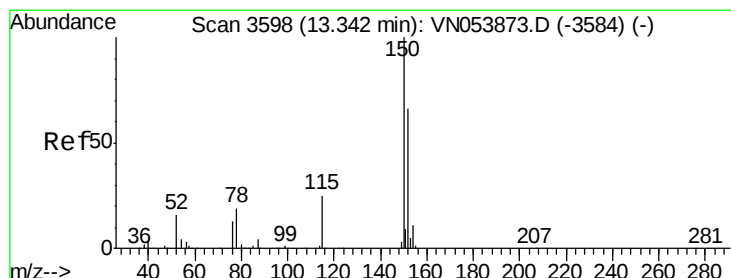
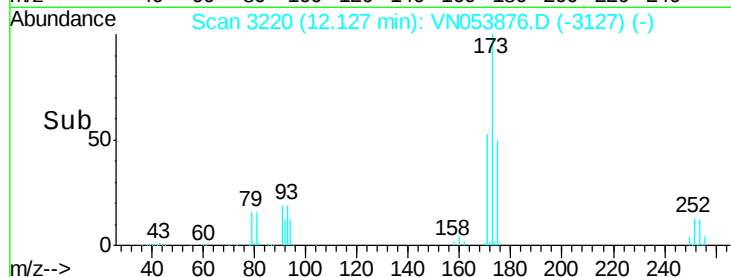
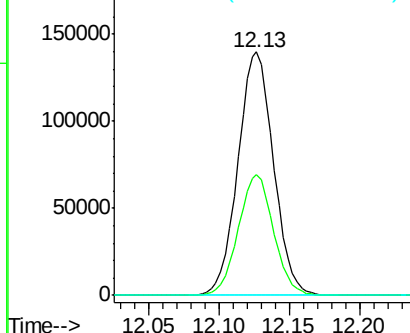
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.2	0.2	0.2

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

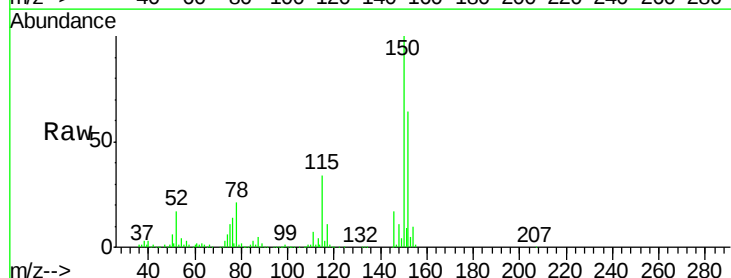
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

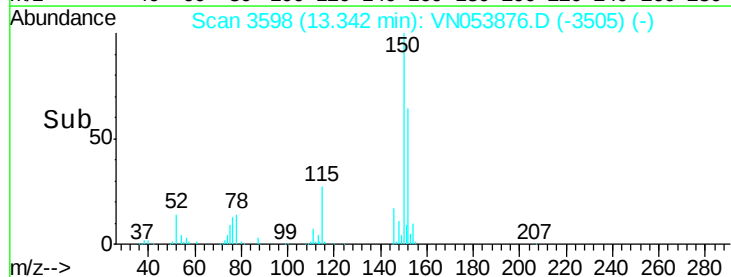
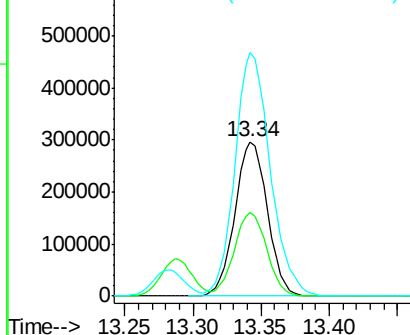
Lab File: VN053876.D

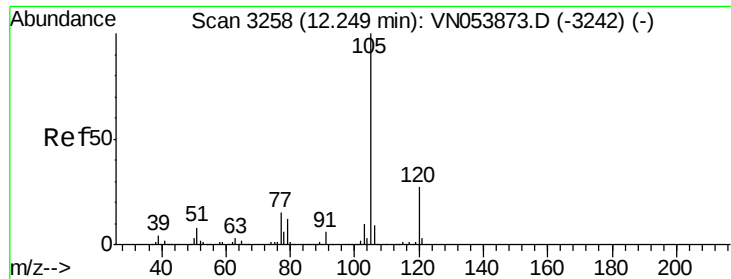
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.2	81.6
150	171.5	0.0	348.2



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: 45.127 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN022019

Tot Ion:105 Resp: 1552886

Ion Ratio Lower Upper

105 100

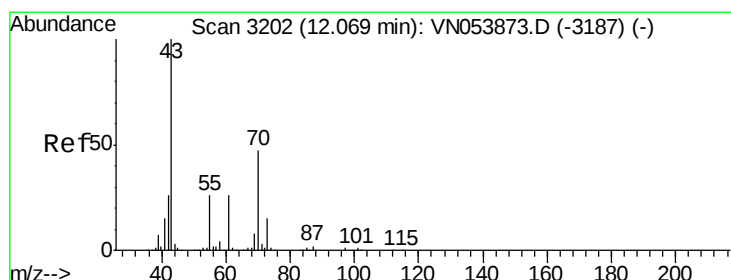
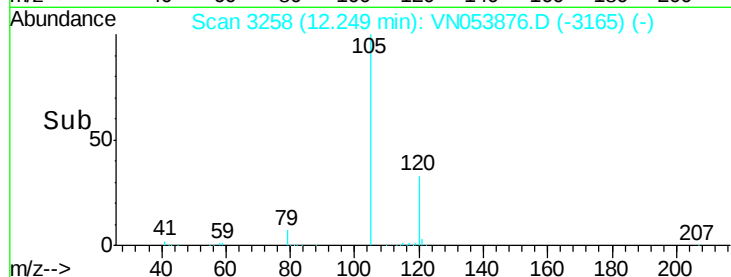
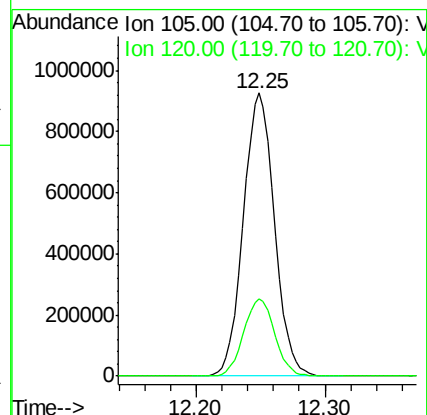
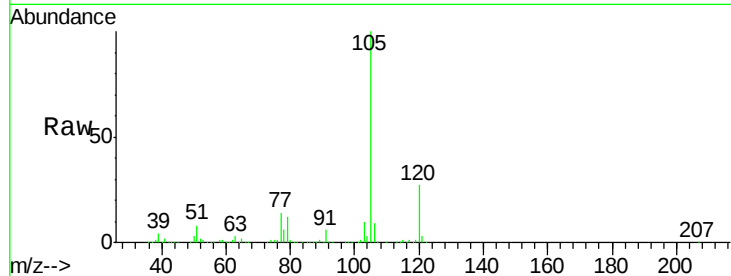
120 27.4 13.5 40.5

Manual Integrations

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2/21/2019 10:52:15 AM



#74

N-ethyl acetate

Concen: 47.593 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion: 43 Resp: 376093

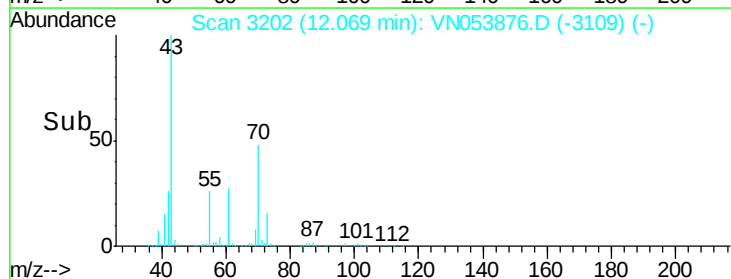
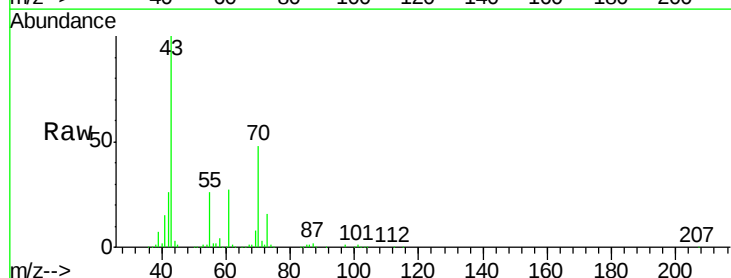
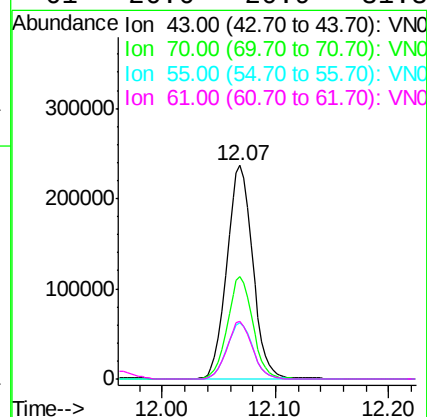
Ion Ratio Lower Upper

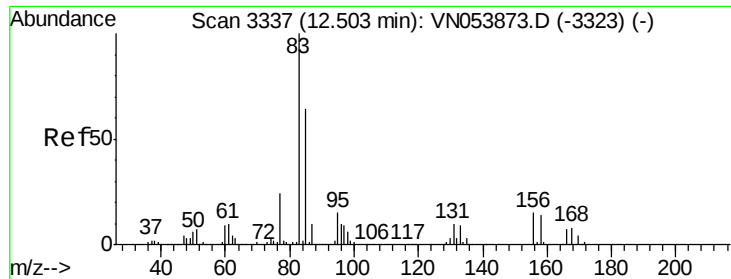
43 100

70 47.0 37.4 56.2

55 26.6 21.4 32.0

61 26.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 44.437 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

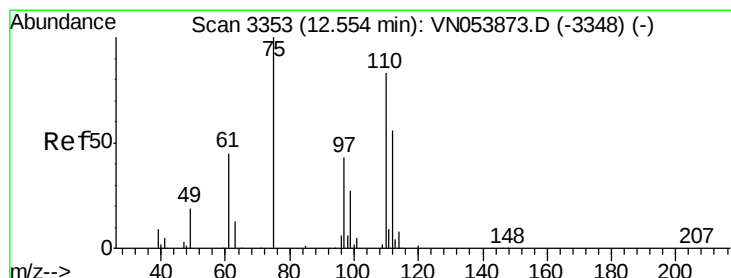
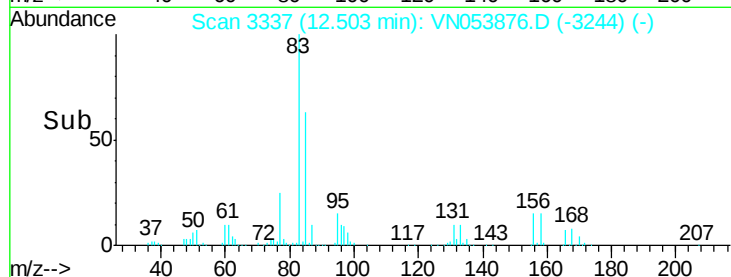
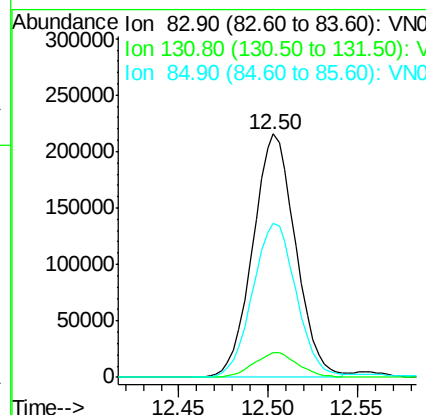
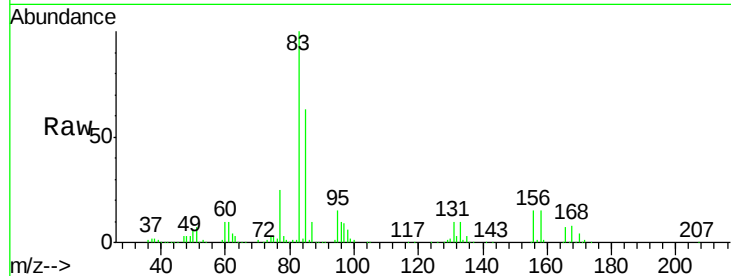
ClientSampleId :

ICVVN022019

Tot Ion:	83	Resp:	361523
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.165 ug/l m

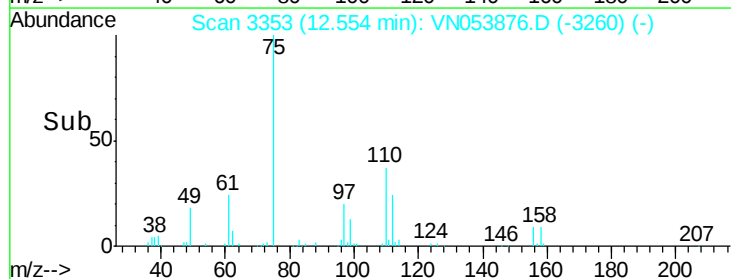
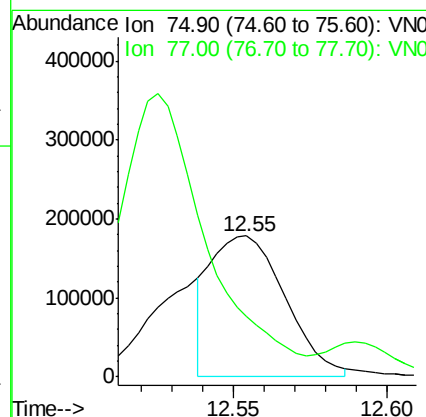
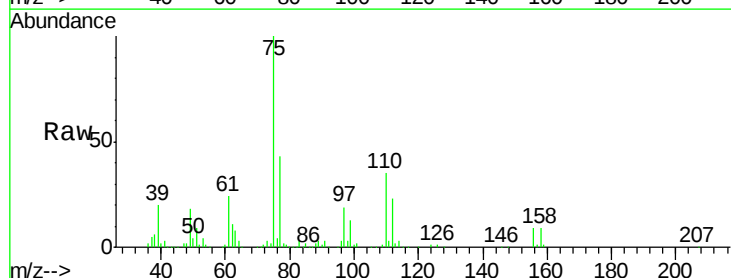
RT: 12.55 min Scan# 3353

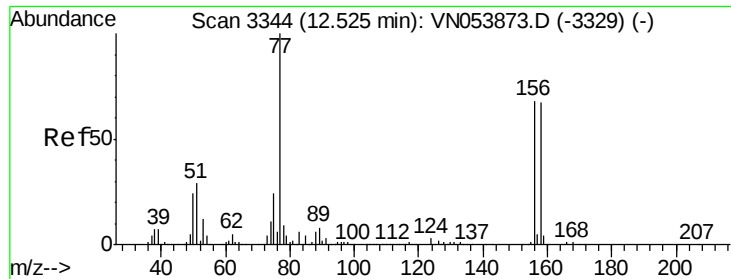
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	75	Resp:	302347
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





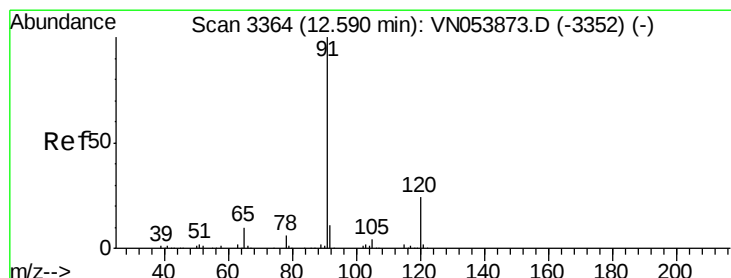
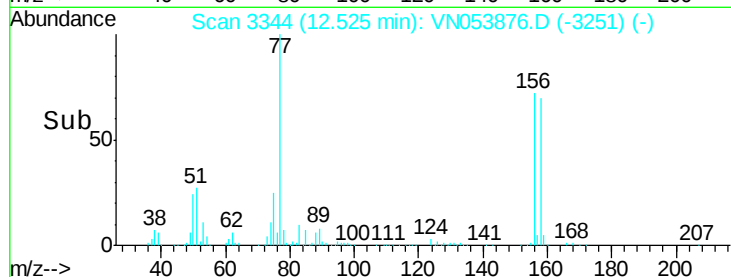
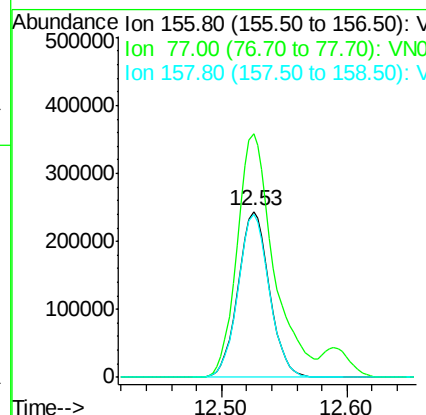
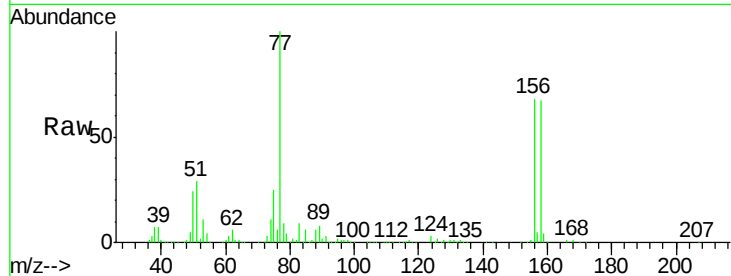
#77
Bromobenzene
Concen: 45.661 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.1	84.0	252.2
158	98.1	48.5	145.6

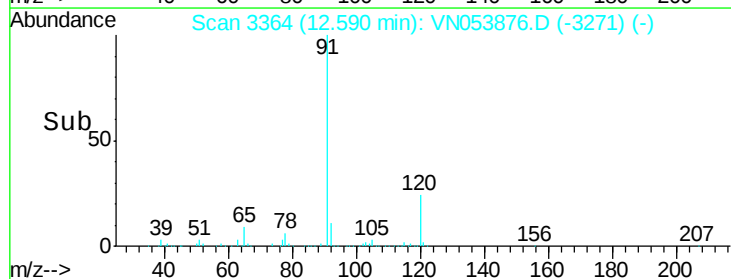
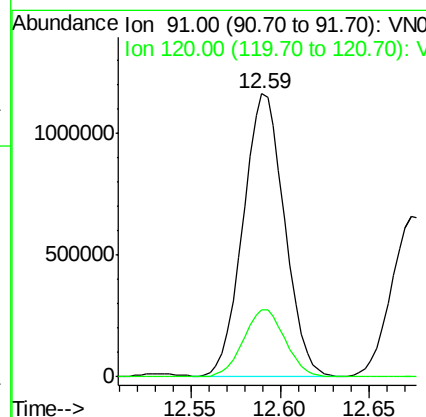
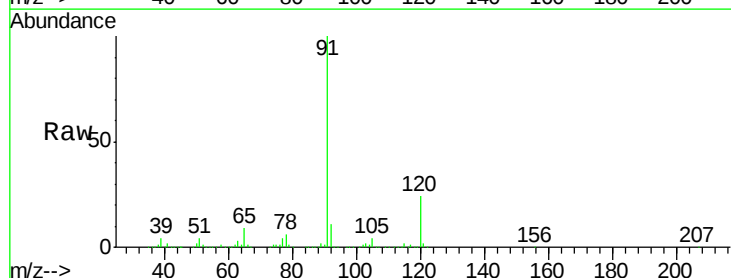
Manual Integrations
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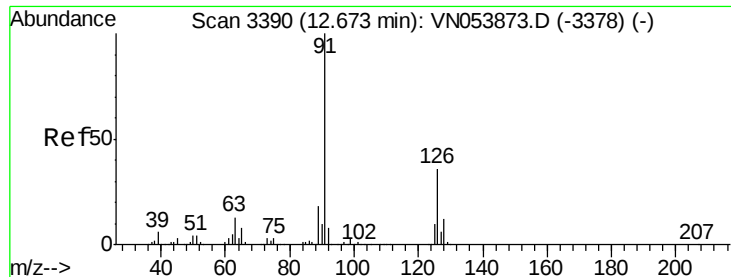
MMDadoda
2/21/2019 10:52:15 AM



#78
n-propylbenzene
Concen: 48.811 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.9





#79

2-Chlorotoluene

Concen: 47.620 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN022019

Tot Ion: 91 Resp: 1104889

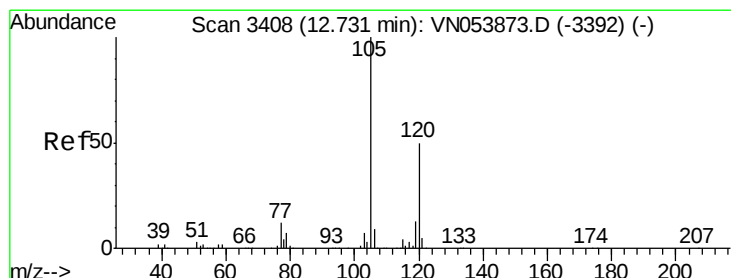
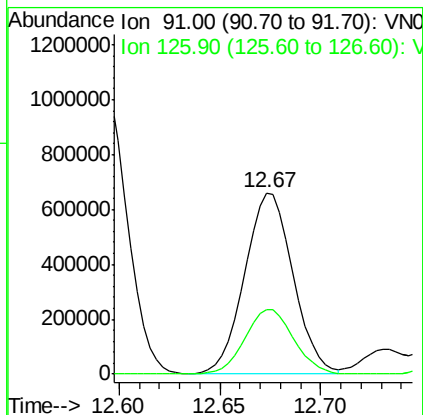
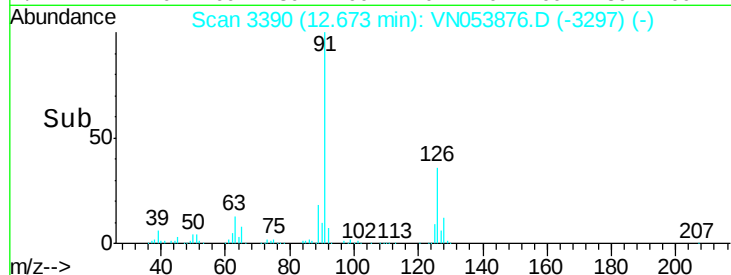
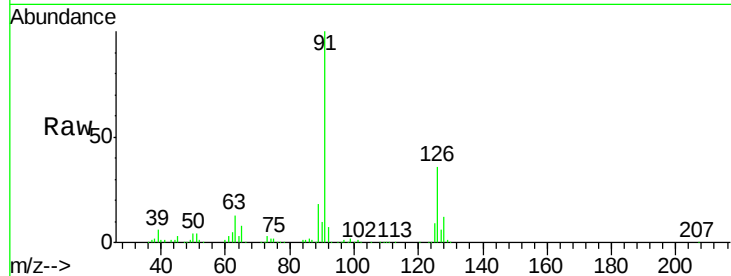
Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 48.465 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053876.D

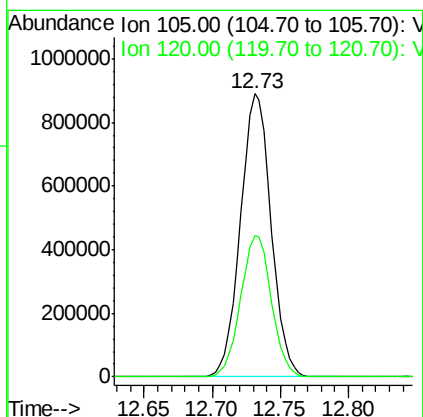
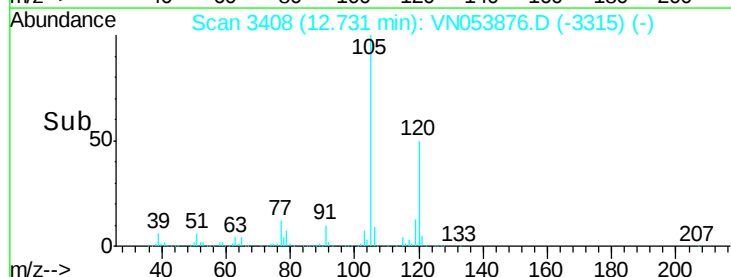
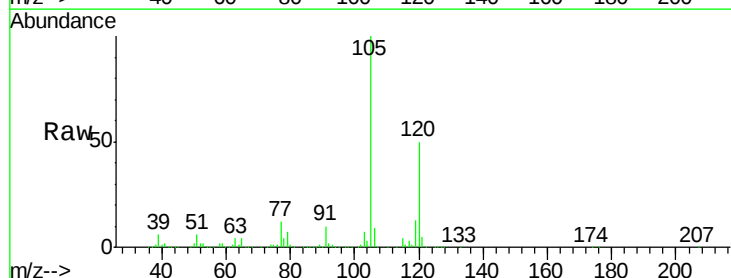
Acq: 20 Feb 2019 11:23

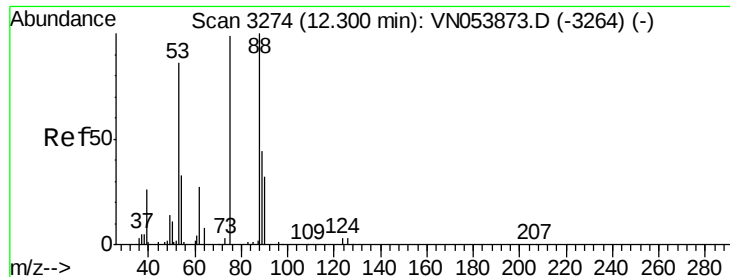
Tgt Ion: 105 Resp: 1384318

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.670 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

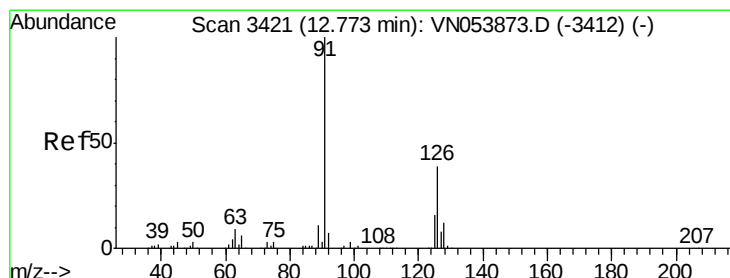
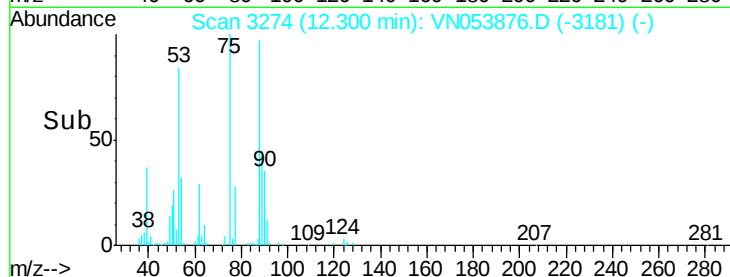
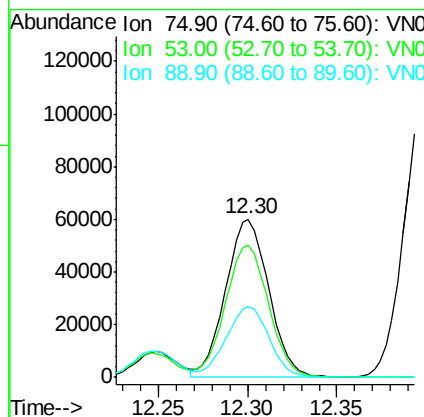
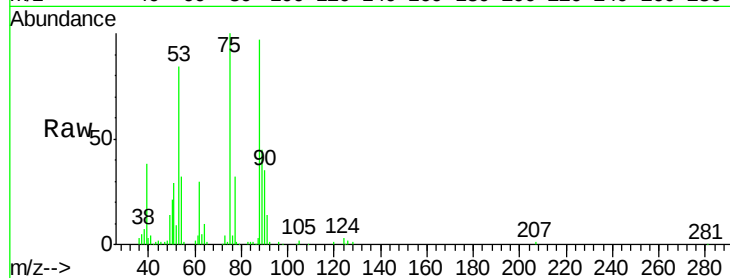
ClientSampleId :

ICVVN022019

Tot Ion:	75	Resp:	101370
Ion	Ratio	Lower	Upper
75	100		
53	83.9	68.6	102.8
89	44.5	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.903 ug/l

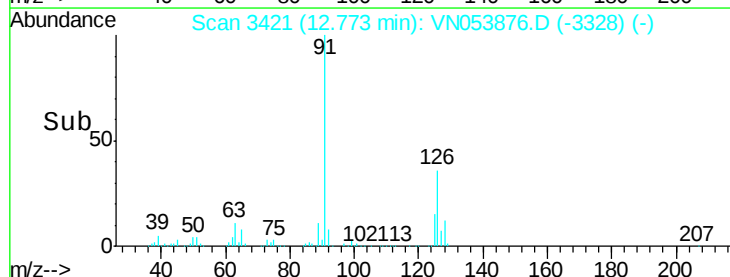
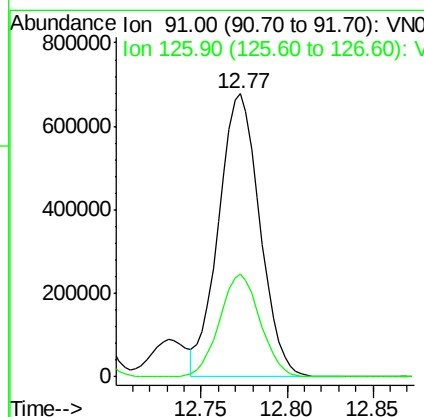
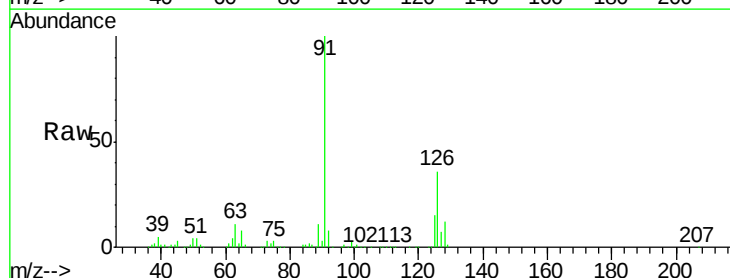
RT: 12.77 min Scan# 3421

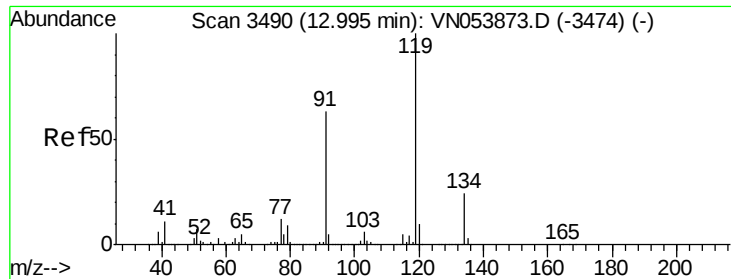
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	91	Resp:	1130405
Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.0	54.0





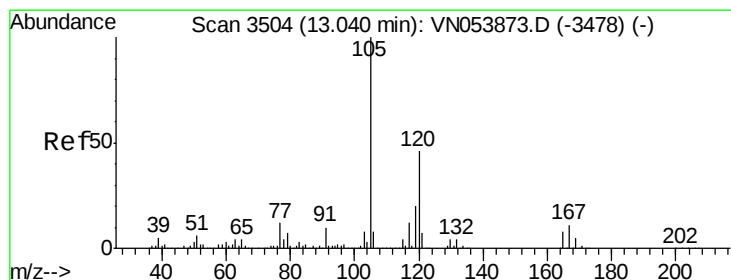
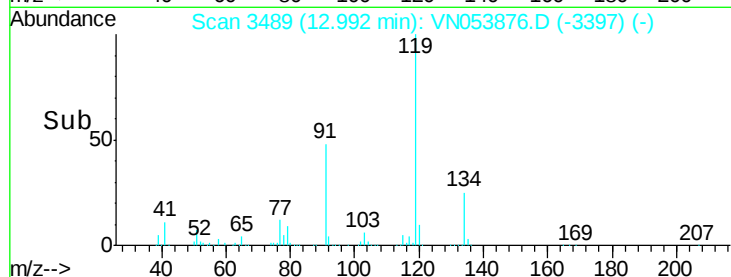
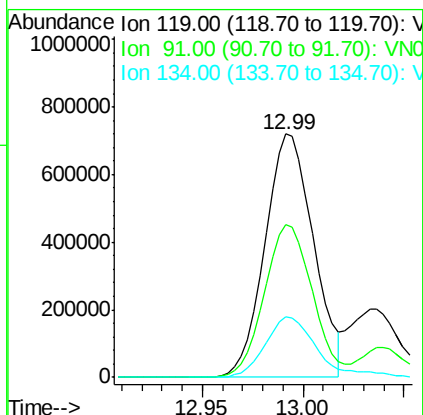
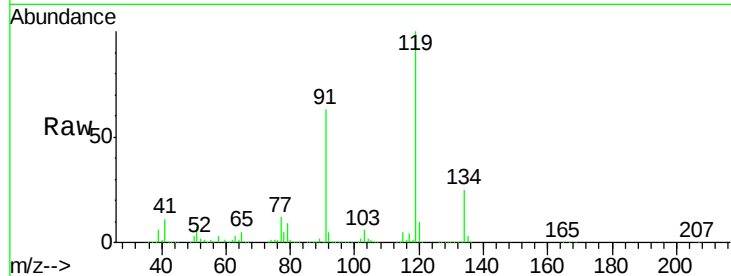
#83
 tert-Butylbenzene
 Concen: 46.870 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		1202120		
91	61.9	30.6	91.8		
134	26.6	13.0	39.0		

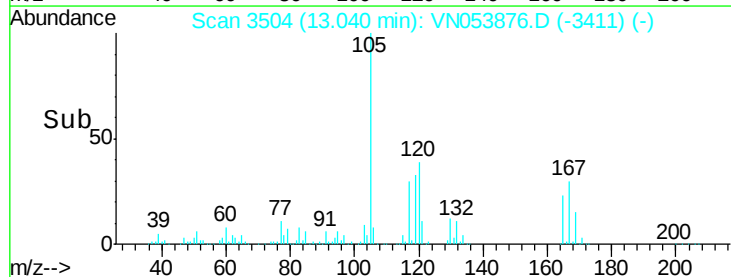
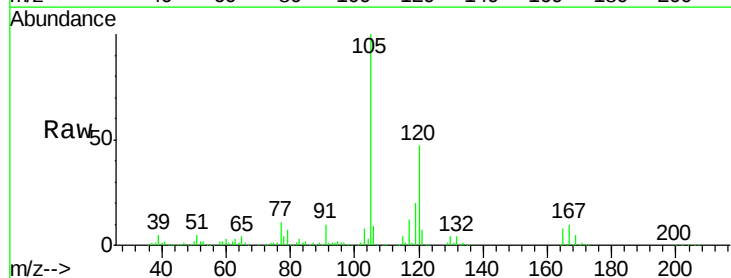
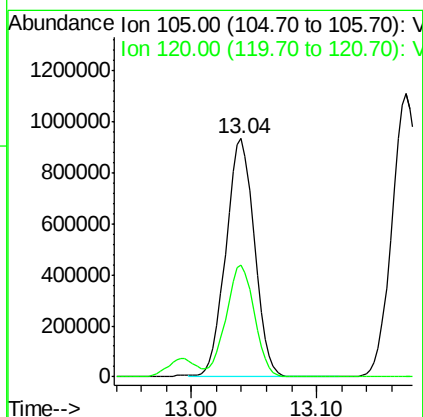
Manual Integrations
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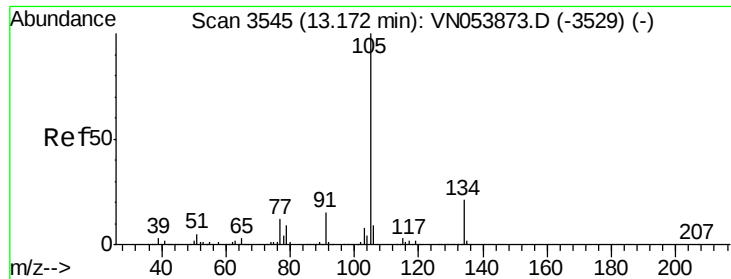
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.481 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1474840		
120	46.5	23.2	69.5		





#85

sec-Butylbenzene

Concen: 51.230 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

Tot Ion:105 Resp: 1769138

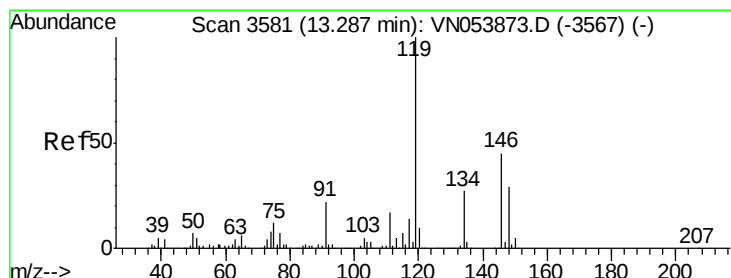
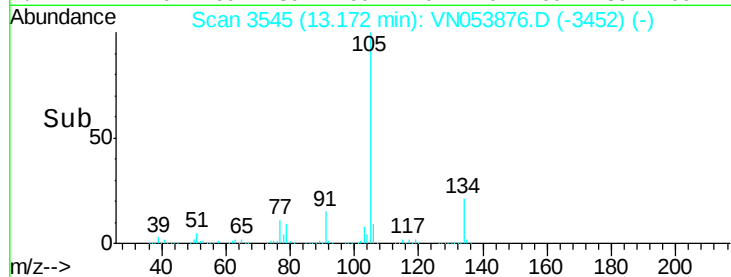
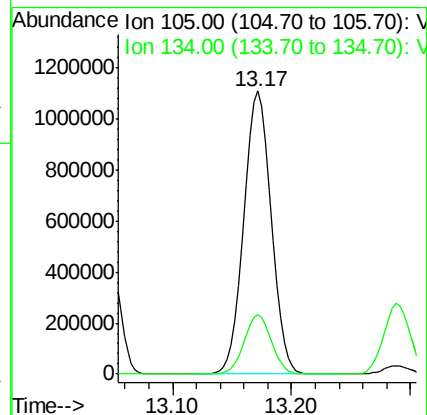
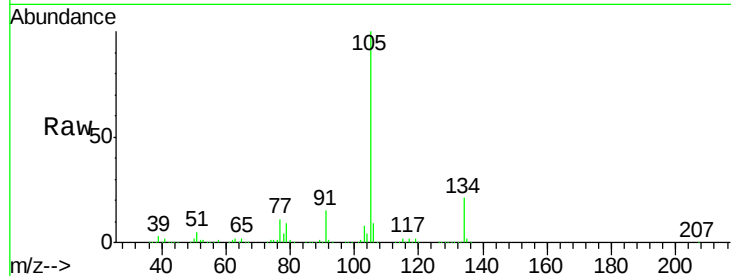
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1

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2/21/2019 10:52:15 AM



#86

p-Isopropyltoluene

Concen: 52.463 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

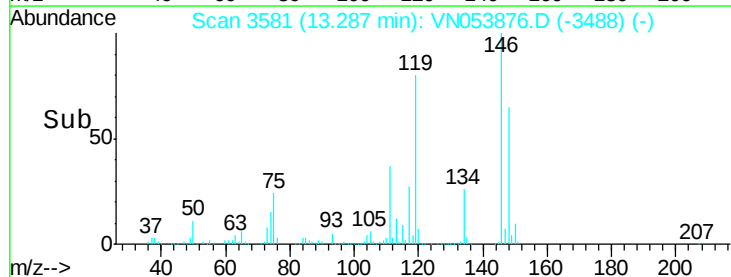
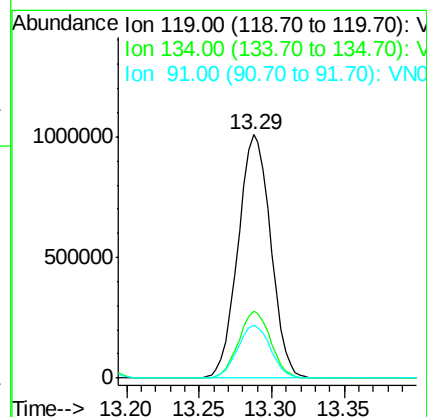
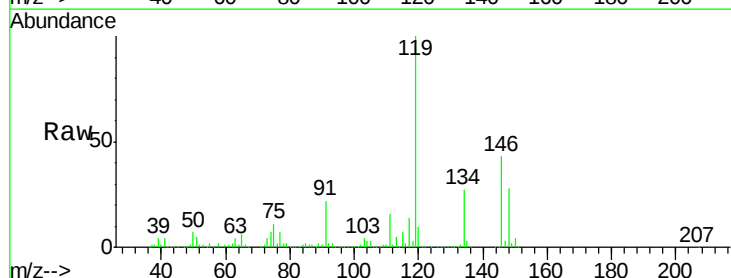
Tgt Ion:119 Resp: 1572341

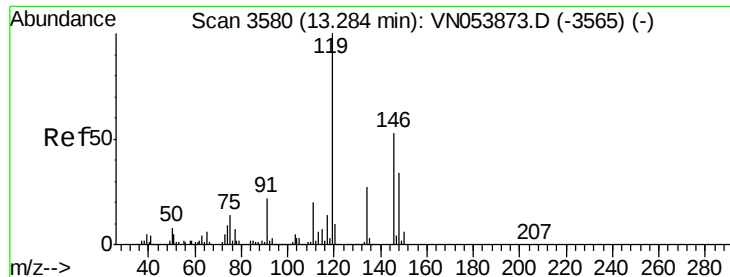
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.7 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 50.349 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

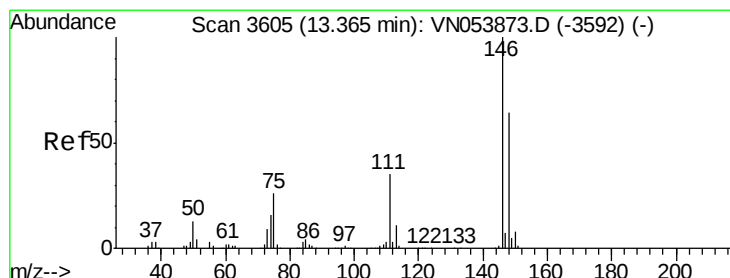
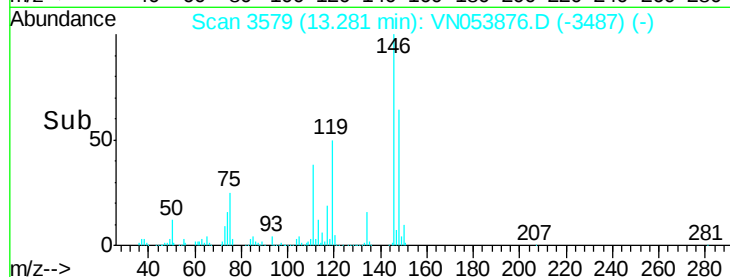
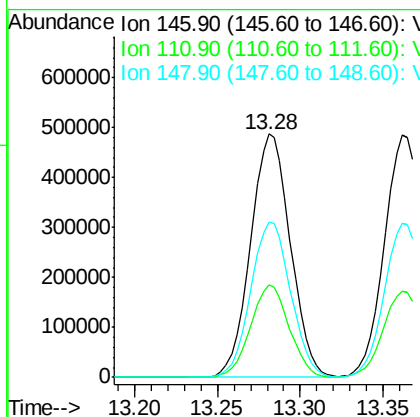
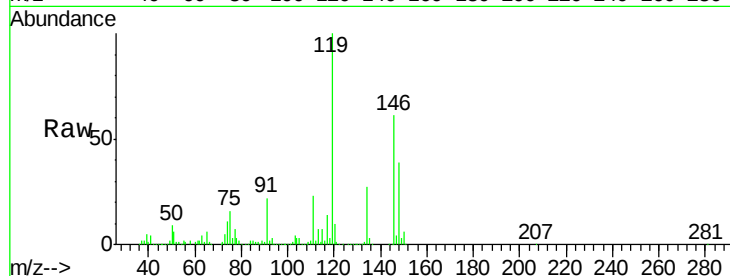
ClientSampleId :

ICVVN022019

Tot Ion:	146	Resp:	811042
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.7	56.1
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.203 ug/l

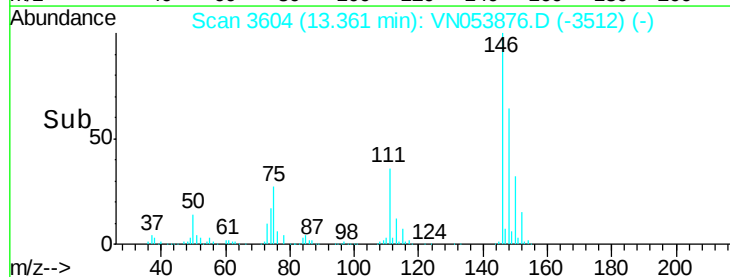
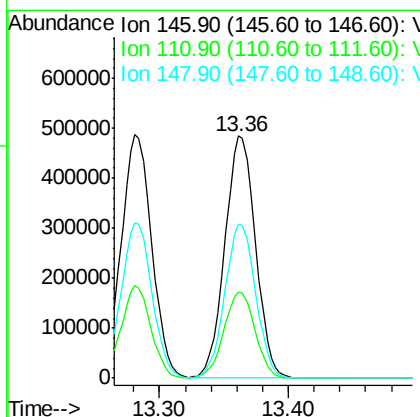
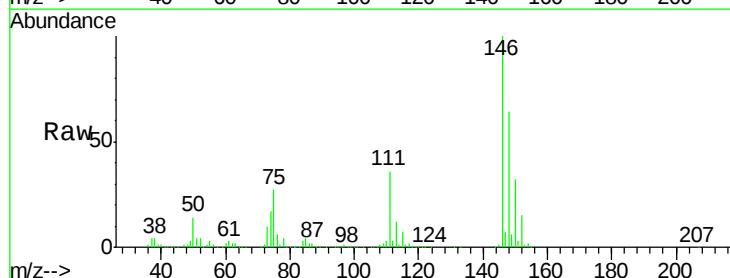
RT: 13.36 min Scan# 3604

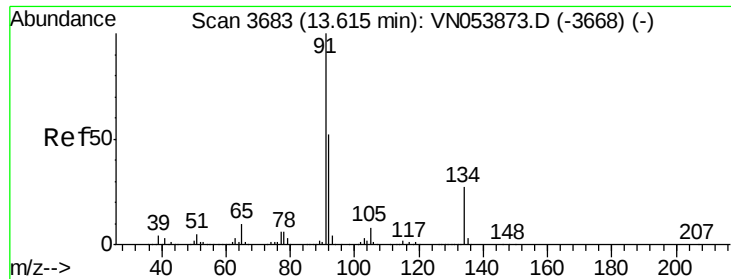
Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	146	Resp:	797468
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.0	54.0
148	64.0	32.1	96.5





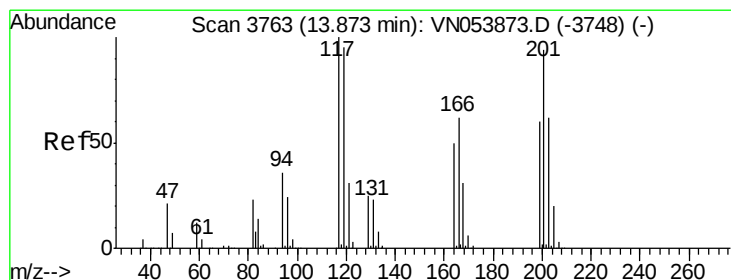
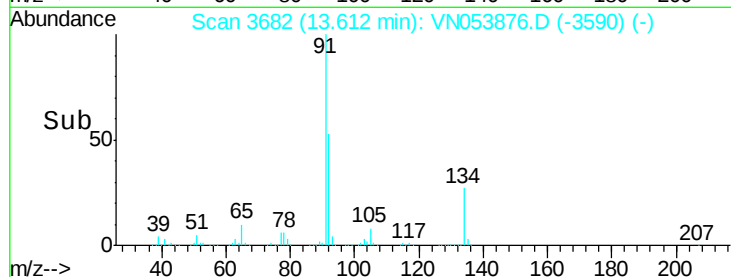
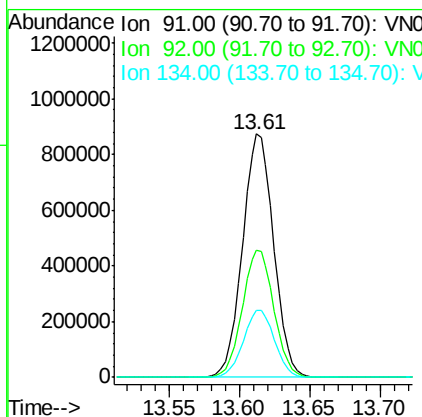
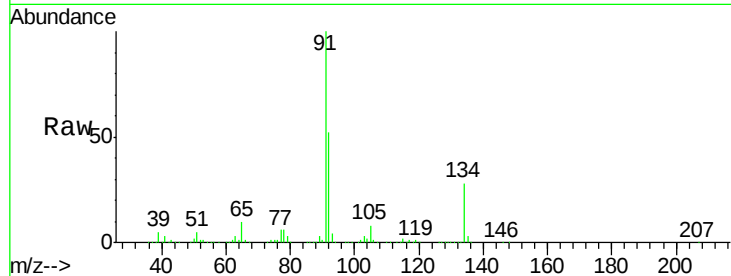
#89
n-Butylbenzene
Concen: 54.783 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

Tot Ion: 91 Resp: 1350187
Ion Ratio Lower Upper
91 100
92 52.7 26.1 78.2
134 27.7 13.6 40.8

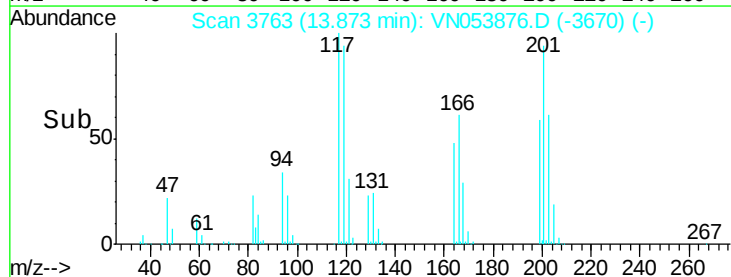
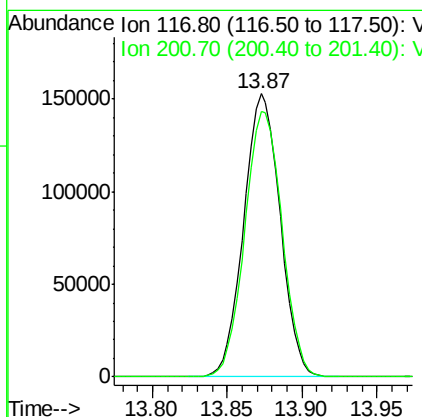
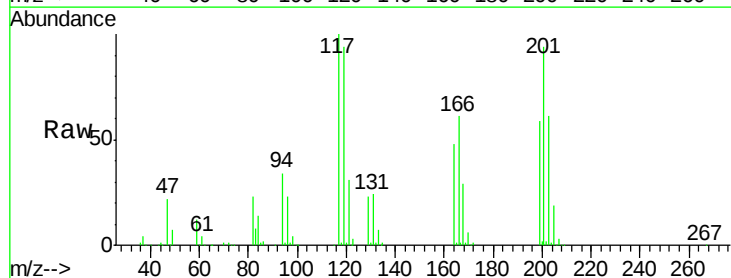
Manual Integrations
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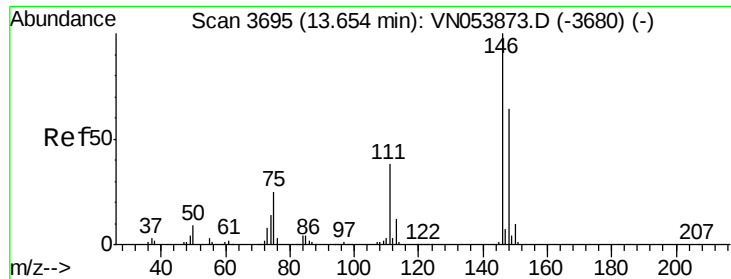
MMDadoda
2/21/2019 10:52:15 AM



#90
Hexachloroethane
Concen: 45.261 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 117 Resp: 259146
Ion Ratio Lower Upper
117 100
201 95.9 48.0 144.2





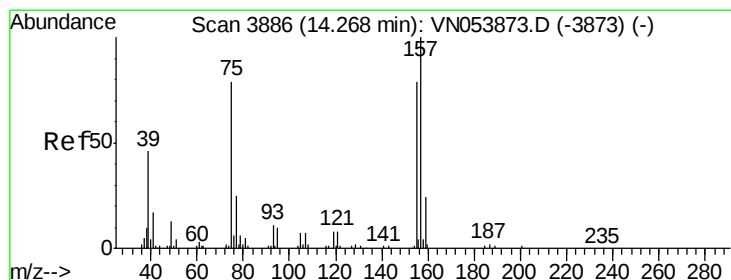
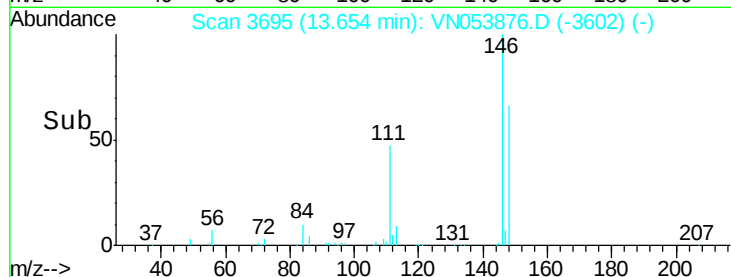
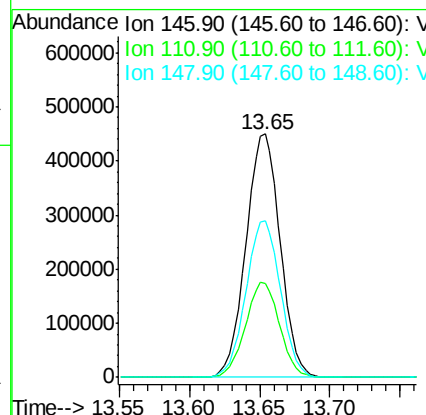
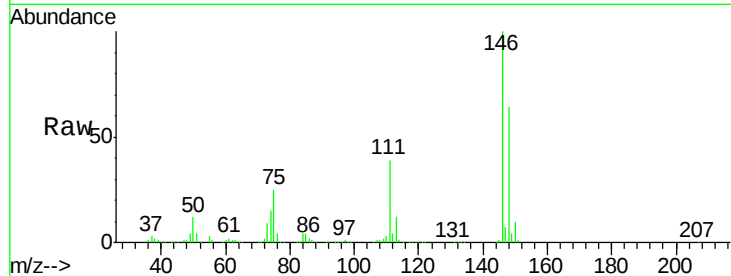
#91
 1,2-Dichlorobenzene
 Concen: 48.434 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.5
148	65.1	32.1	96.5

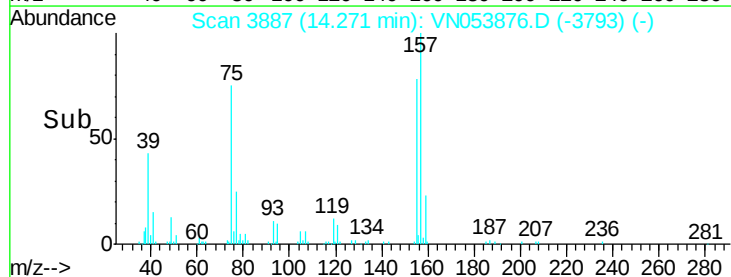
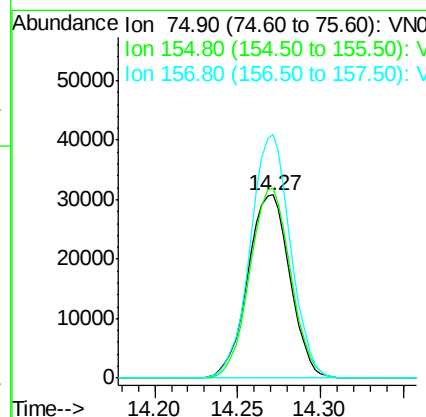
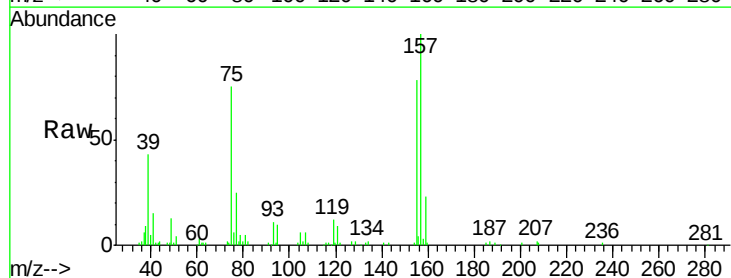
Manual Integrations
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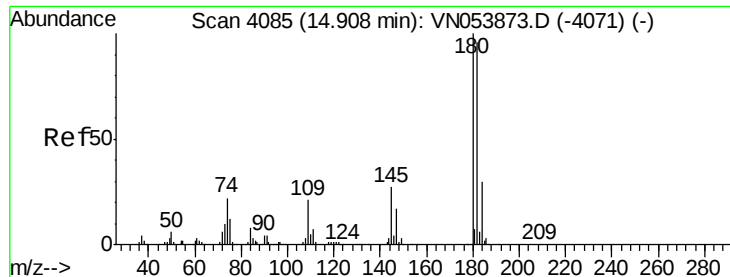
MMDadoda
 2/21/2019 10:52:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.139 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	49.5	148.5
157	126.2	64.8	194.6





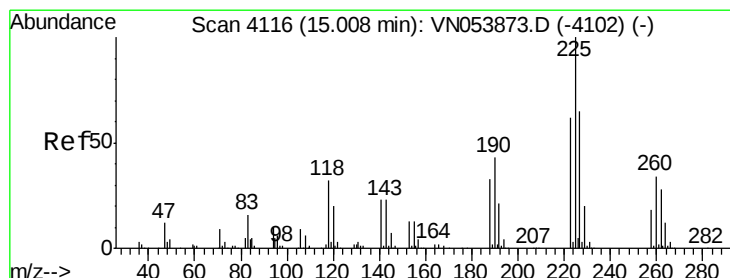
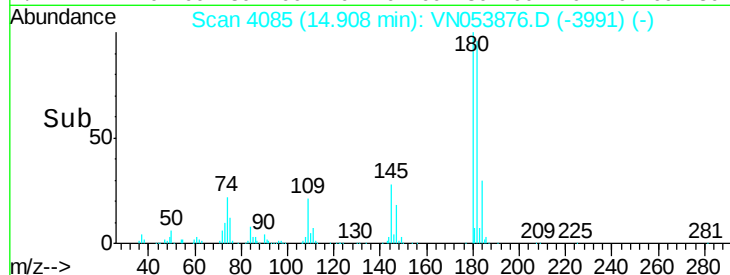
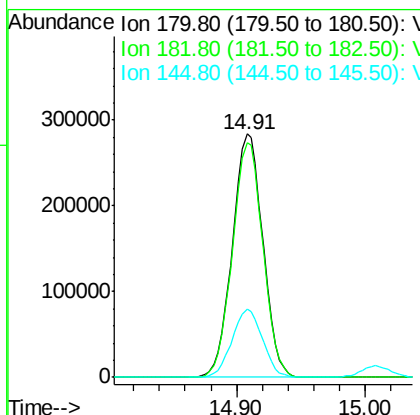
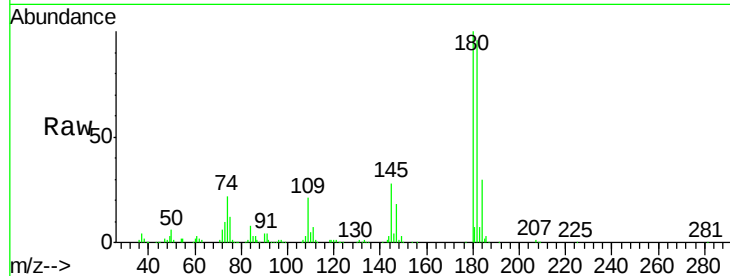
#93
 1,2,4-Trichlorobenzene
 Concen: 48.727 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	465740		
182	96.4	48.6	145.9	
145	28.0	13.8	41.3	

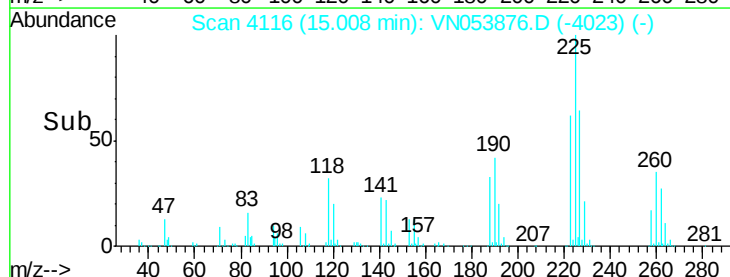
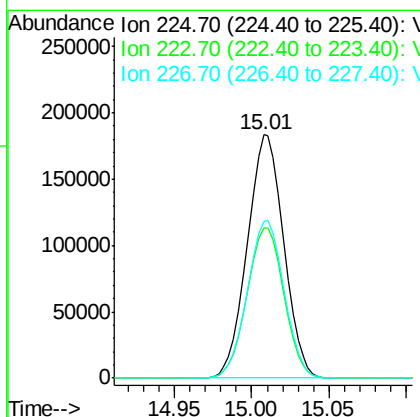
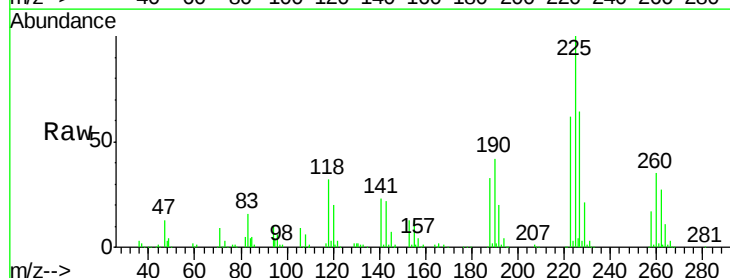
Manual Integrations
 APPROVED

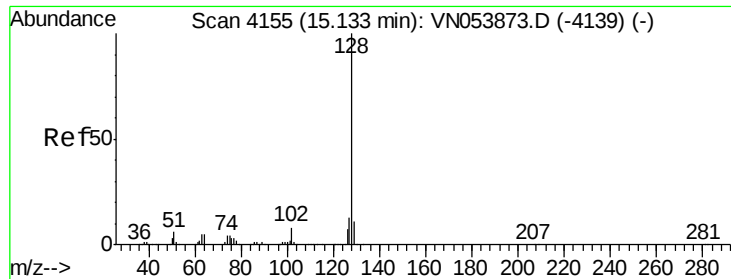
MMDadoda
 2/21/2019 10:52:15 AM



#94
 Hexachlorobutadiene
 Concen: 45.759 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	301585		
223	62.7	30.9	92.5	
227	65.2	32.5	97.4	





#95

Naphthalene

Concen: 47.680 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

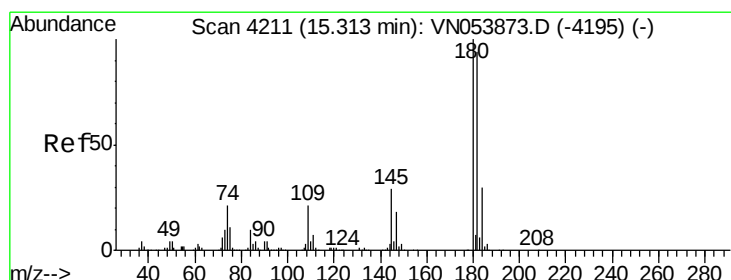
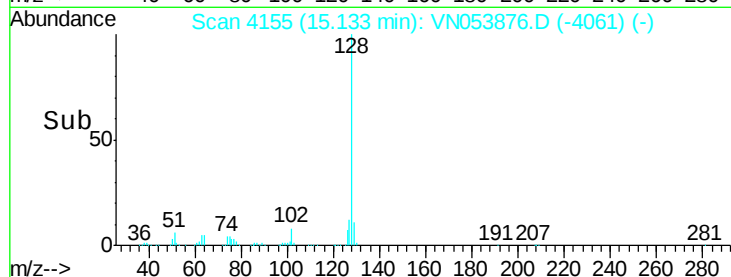
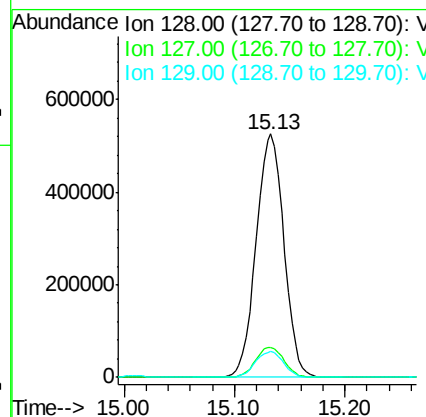
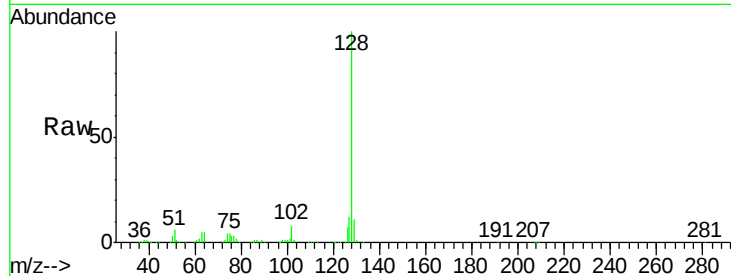
ClientSampleId :

ICVVN022019

Tot Ion:	128	Resp:	919516
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/21/2019 10:52:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.953 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion:	180	Resp:	434564
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.3	141.8
145	29.5	14.4	43.0

